# Tables of Affine Moment Invariants Generated by the Graph Method

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**Abstract**

These tables include all irreducible affine moment invariants up to the 10th order. They are generated by a newly developed graph method. The technique of elimination of reducible invariants is described. There are also mentioned a few approaches to the selection of an independent set of the invariants. Finally, an example of a few dependencies among irreducible invariants is presented.

**Keywords:** affine invariants, moments, graphs, independent features.

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# 1 Introduction

Recognition of objects and patterns that are deformed in various ways has been a goal of intensive research for many years. The degradations use to be introduced during the image acquisition process by such factors as imaging geometry, systematic and random sensor errors, illumination changes, object occlusion, etc. Finding a set of invariant descriptors is a key step to recognizing degraded objects regardless of the particular deformations.

Moment invariants have become a powerful tool for recognizing objects regardless of their particular position, orientation, viewing angle, and other variations. There is a well elaborated theory on rotation moment invariants [1, 2, 3, 4, 5, 6, 7, 8, 9], which have been successfully used in numerous applications. In practice, however, we often face object deformations that are beyond the rotation-translation-scaling model. An exact model of photographing a planar scene by a pin-hole camera whose optical axis is not perpendicular to the scene is *projective transform*. Since the projective transform is not linear, its Jacobian is a function of spatial coordinates and projective moment invariants from a finite number of moments cannot exist [10, 11].

For small objects and large camera-to-scene distance is the perspective effect negligible and the projective transform can be well approximated by *affine transform*. Thus, having powerful affine moment invariants for object description and recognition is in great demand.

A pioneer work on this field was done independently by Reiss [12] and Flusser and Suk [13, 14], who introduced affine moment invariants (AMI's) and proved their applicability in simple recognition tasks. In their papers, the derivation of the AMI's originated from the classical theory of algebraic invariants from 19th century, e.g. [15, 16], or newer [17, 18]. The book [19] contains original notes of the course held by famous German mathematician David Hilbert in 1897. The notes were edited, translated to English and first published 50 years after Hilbert's death.

In recent years a novel approach to the affine invariants has arisen: normalization [21, 22]. The normalized moments have some advantages in comparison to the AMI's, namely easy creation of complete and independent sets, and one drawback, they are discontinuous on symmetric objects. While the AMI's are simply zero, but continuous, and the problem of recognition of the symmetric objects is problem of selection of proper invariants, in case of the normalized moments we must select not only proper moments, but also proper thresholds in a test of their zeroness. Therefore AMI's remain important mean for recognition of the affinely distorted objects. There is also a compromise, we can normalize moments up to the last rotation and then compute rotation invariants from them. The creation of complete and independent sets is easier then in case of AMI's, e.g. [23] and problems with discontinuities fall off. They have also theoretical meaning: their comparison with AMI's can be used for verification of the independency of the AMI's, how we will see later.

The goal of these tables is to compute and publish affine moment invariants of higher orders and weights. Reiss in [20] presents 17 selected invariants of the 6th order in maximum. These tables present all irreducible 362 invariants up to weight 10. They are connected with our previous paper [13]. They also deal with the problem of selection of the independent invariants. They are organized by the following way: Section 2 deals with derivation of the AMI's from algebraic invariants, Section 3 discusses various methods, how to find the number of invariants, Section 4 describes the graph method used for derivation of the AMI's, Section 5 concerns with looking for dependencies between the invariants and Section 6 describes a method, how to verify independency of the chosen invariants. It is followed by the tables of all irreducible AMI's up to the 10th order and some dependencies between them.

# 2 The Fundamental Theorem

First, a few basic terms. The affine transformation can be expressed as

$$\begin{aligned} u &= a_0 + a_1 x + a_2 y \\ v &= b_0 + b_1 x + b_2 y. \end{aligned} \tag{1}$$

The general two-dimensional $(p+q)$-th order moments of an image $f(x,y)$ are defined as

$$m_{pq} = \int_{-\infty}^{\infty}\int_{-\infty}^{\infty} x^p y^q f(x,y)dxdy \qquad p,q = 0,1,2,\ldots \tag{2}$$

The fundamental theorem deals with the relation of the AMI's and algebraic invariants. It was published in [1] and revisited independently by Reiss [12] and Flusser and Suk [14]. It can be formulated as follows.

**Theorem 1:** If the binary form of order $p$ has an algebraic invariant of weight $w$ and degree $k$

$$I(a'_{p,0},\cdots,a'_{0,p}) = \triangle^w I(a_{p,0},\cdots,a_{0,p})$$

($\triangle$ denotes the determinant of the respective affine transform) then the moments of order $p$ have the same invariant but with the additional factor $|J|^k$:

$$I(\mu'_{p0},\cdots,\mu'_{0p}) = \triangle^w |J|^k I(\mu_{p0},\cdots,\mu_{0p}),$$

where $|J|$ is the absolute value of the Jacobian. Actually $\triangle = J = a_1 b_2 - a_2 b_1$.

This theorem makes possible to use results of the theory of algebraic invariants for computation of the AMI's. The algebraic invariants and the AMI's differ by the normalization to the scaling only. The AMI's can be derived directly, without the theory of the algebraic invariants, by the following way. The affine transformation (1) can be decomposed into six one-parameter transformations.

Horizontal translation:

$$\begin{aligned} u &= x + \alpha \\ v &= y. \end{aligned} \tag{3}$$

Vertical translation:

$$\begin{aligned} u &= x \\ v &= y + \beta. \end{aligned} \tag{4}$$

Scaling

$$\begin{aligned} u &= \omega x \\ v &= \omega y. \end{aligned} \tag{5}$$

Stretching:

$$\begin{aligned} u &= \delta x \\ v &= \tfrac{1}{\delta} y. \end{aligned} \tag{6}$$

Horizontal skew:

$$\begin{aligned} u &= x + ty \\ v &= y. \end{aligned} \tag{7}$$

Vertical skew:

$$\begin{aligned} u &= x \\ v &= y + sx. \end{aligned} \tag{8}$$

Any function $F$ of moments is invariant under these six transformations if and only if it is invariant under the general affine transformation (1). Each of these transformations implies one constraint on the invariants. For completeness, the affine transform composed from these six elementary transforms cannot have negative Jacobian. To enable it, we would have to insert possible mirror reflection to the decomposition

$$\begin{aligned} u &= x \\ v &= zy, \end{aligned} \tag{9}$$

where $z$ can be either 1 or -1. We will explain consequences of not doing it later.

Invariancy to translation can be provided by using central moments instead of general ones (2), any function of them is invariant under the translations (3) and (4). Central moments are defined as

$$\mu_{pq} = \int_{-\infty}^{\infty}\int_{-\infty}^{\infty} (x - x_t)^p (y - y_t)^q f(x, y)\,dx\,dy \qquad p, q = 0, 1, 2, \ldots, \tag{10}$$

where $x_t = m_{10}/m_{00}$ and $y_t = m_{01}/m_{00}$ are the coordinates of the centroid.

The constraint of the scaling implies the correct normalization of the moments. The moments after scaling

$$\mu'_{pq} = \omega^{p+q+2} \mu_{pq}, \tag{11}$$

particularly

$$\mu'_{00} = \omega^2 \mu_{00}. \tag{12}$$

Therefore the function $F$ of quotients $\mu_{pq}/\mu_{00}^{(p+q+2)/2}$ is invariant under scaling.

The moments after stretching (6) become

$$\mu'_{pq} = \delta^{p-q}\mu_{pq}. \tag{13}$$

That is why the products of moments, where the sum of $p$-th indices equals the sum of $q$-th indices, are invariant under the stretching. The algebraic invariants are functions of binary form coefficients and have similar form as the AMI's. They have the same coefficients and the only difference is the normalization to scaling. The moment invariants use the exponent $(p+q+2)/2$ while the algebraic invariants use $(p+q)/2$. The weight $w$ of the invariant equals the sum of the $p$-th indices and the sum of $q$-th indices of one term of the corresponding moment invariant. It is important characterization of the invariant. Other attributes of the invariant are an order, that is the highest order of a moment in the invariant, and a degree. If we suppose the invariant in form of a polynomial of the moments, then the degree is the number of moments in one term of the polynomial. The more precise characteristics of the invariant is a structure, that is the orders of all moments in one term.

Now, something about the mirror reflection. The invariants with odd weight change their signs, when the affine transform has negative Jacobian. We can either use absolute values of them or suppose the affine transform has always positive Jacobian and two images differing by the mirror reflection are two different images, how is suitable in many practical tasks.

Two differential equations can be derived from the skew transformations (7) and (8):

$$\sum_p \sum_q p\mu_{p-1,q+1}\frac{\partial F}{\partial \mu_{pq}} = 0 \tag{14}$$

and

$$\sum_p \sum_q q\mu_{p+1,q-1}\frac{\partial F}{\partial \mu_{pq}} = 0. \tag{15}$$

In the theory of algebraic invariants, they are called Cayley - Aronhold differential equations. We can use these equations for computation of coefficients of terms of the invariants as in [13], but another method for generation of the AMI's was used in this report, see Section 4, where the algorithms are described.

# 3 The Number of the Invariants

The number of independent invariants is very important for their using in pattern recognition. It can be computed by a few ways. The basic method is "rule of thumb": The number $n$ of independent invariants equals

$$n = m - p, \tag{16}$$

where $m$ is the number of independent measurements of some object, in our case it is the number of moments, and $p$ is the number of independent constraints, which must be

satisfied (see e.g. [10]). Mostly it equals the number of parameters of the transformation. This equation is called "rule of thumb", because often it is not easy to find, which measurements and constraints are independent and which not. Each dependency between the measurements decreases the number of invariants by one, and each dependency between the constraints increases the number of invariants by one. In our case, the moments are independent. The zero-order moment is used to satisfy the scaling constraint and the two first-order moments are used to satisfy two translation constraints. If we use moments of the second order only, then the differential equations (14) and (15) become:

$$2\mu_{11}\frac{\partial F}{\partial \mu_{20}} + \mu_{02}\frac{\partial F}{\partial \mu_{11}} = 0 \tag{17}$$

and

$$2\mu_{11}\frac{\partial F}{\partial \mu_{02}} + \mu_{20}\frac{\partial F}{\partial \mu_{11}} = 0. \tag{18}$$

If the derivative with respect to the $\mu_{11}$ is excluded from these equations, we acquire

$$\mu_{02}\frac{\partial F}{\partial \mu_{02}} = \mu_{20}\frac{\partial F}{\partial \mu_{20}}. \tag{19}$$

It means, if there are terms of form

$$k\mu_{20}^{r_1}\mu_{11}^{r_2}\mu_{02}^{r_3}, \tag{20}$$

then

$$\frac{\partial F}{\partial \mu_{20}} = kr_1\mu_{20}^{r_1-1}\mu_{11}^{r_2}\mu_{02}^{r_3} \tag{21}$$

and

$$\frac{\partial F}{\partial \mu_{02}} = kr_3\mu_{20}^{r_1}\mu_{11}^{r_2}\mu_{02}^{r_3-1}. \tag{22}$$

From (19) there is

$$kr_1\mu_{20}^{r_1}\mu_{11}^{r_2}\mu_{02}^{r_3} = kr_3\mu_{20}^{r_1}\mu_{11}^{r_2}\mu_{02}^{r_3} \tag{23}$$

or $r_1 = r_3$. But then the sum of the $p$-th indices $2r_1 + r_2$ equals the sum of the $q$-th indices $2r_3 + r_2$. It means that the stretching constraint is satisfied automatically by satisfying the two skew constraints and we have 6 - 5 = 1 invariant from the second order moments. If we use moments of some higher order, then the stretching constraint must be satisfied separately and we must subtract 6 from the number of moments. E.g. in case of moments up to the third order there are 10 - 6 = 4 independent invariants.

The "rule of thumb" yields the whole number of independent invariants, but it does not say anything about their weights, orders, degrees and structures. If we need to find the number of invariants with a specific structure, we can use the Cayley-Sylvester theorem. Its precise statement and proof can be found [17] or in [19]. It implies that if we denote $A(k, r, w)$ the number of partitions of the number $w$ to the sum of $r$ integers from 0 to $k$,

then the number $N(k,r,w)$ of linearly independent non-constant homogeneous invariants with degree $r$, order $k$ and weight $w$ is

$$N(k,r,w) = A(k,r,w) - A(k,r,w-1), \tag{24}$$

where $w = kr/2$. The invariant is homogeneous, if it contains moments of one order only. The non-homogeneous invariants are sometimes called simultaneous. A similar relation is satisfied for the simultaneous invariants:

$$\begin{aligned} &N(k_1,r_1,k_2,r_2,\cdots,k_n,r_n,w) = \\ &= A(k_1,r_1,k_2,r_2,\cdots,k_n,r_n,w) - A(k_1,r_1,k_2,r_2,\cdots,k_n,r_n,w-1), \end{aligned} \tag{25}$$

where $r_i$ is the number of moments of order $k_i$ in one term and $w = (k_1r_1 + k_2r_2 + \cdots + k_nr_n)/2$ is the weight of the invariant.

The number of the partitions can be found by means of Gauss polynomials. They are defined as

$$\left[ \begin{array}{c} n \\ m \end{array} \right] = \frac{(1-x^n)(1-x^{n-1})\cdots(1-x^{n-m+1})}{(1-x)(1-x^2)\cdots(1-x^m)} \tag{26}$$

It holds for $A(k,r,w)$

$$A(k,r,w) = \left[ \begin{array}{c} k+r \\ r \end{array} \right]_w = \left[ \begin{array}{c} k+r \\ k \end{array} \right]_w, \tag{27}$$

where $[\ ]_w$ denotes the coefficient at $w$-th power of the polynomial. Then the number of the invariants is

$$N(k,r,w) = (1-x)\left[ \begin{array}{c} k+r \\ k \end{array} \right]_w = \left[ \begin{array}{c} k+r \\ k \end{array} \right]^*_w, \tag{28}$$

generally

$$A(k_1,r_1,k_2,r_2,\cdots,k_n,r_n,w) = \left[ \begin{array}{c} k_1+r_1 \\ k_1 \end{array} \right] \left[ \begin{array}{c} k_2+r_2 \\ k_2 \end{array} \right] \cdots \left[ \begin{array}{c} k_n+r_n \\ k_n \end{array} \right]_w, \tag{29}$$

$$N(k_1,r_1,k_2,r_2,\cdots,k_n,r_n,w) = \left[ \begin{array}{c} k_1+r_1 \\ k_1 \end{array} \right]^* \left[ \begin{array}{c} k_2+r_2 \\ k_2 \end{array} \right] \cdots \left[ \begin{array}{c} k_n+r_n \\ k_n \end{array} \right]_w. \tag{30}$$

If we need to know the whole number of the independent invariants of some orders, we can sum the numbers over all structures, but how we will explain later the possibilities of the Cayley-Sylvester theorem in this case are limited. The entire number of independent non-constant affine invariants from the moments of the 2nd and 3rd order equals $\sum_{\substack{r,s \\ r+3s=w}} N(2,r,3,2s;w)$. We add over all nonnegative integers $r,s$, which satisfy the constraint $r+3s = w$. We can choose, whether we add over $r$, i.e. $r = z, z+3, z+6, \cdots, w-3, w$ and $s = (w-r)/3$ or over $s$, i.e. $s = 0,1,2,\cdots,[w/3]-1,[w/3]$ and $r = w-3s$. $[w/3]$ means integer part of $w/3$ and $z$ is the reminder after dividing $w$ by 3, i.e. $z = w-3\,[w/3]$.

$$\sum_{\substack{r,s\\ r+3s=w}} N(2,r,3,2s;w) = \sum_{\substack{r,s\\ r+3s=w}} \left[\begin{array}{c} 2+r \\ 2 \end{array}\right] \left[\begin{array}{c} 3+2s \\ 3 \end{array}\right]^*_w =$$

$$= \sum_{\substack{r,s\\ r+3s=w}} \left. \frac{(1-x^{2+r})(1-x^{1+r})(1-x^{3+2s})(1-x^{2+2s})(1-x^{1+2s})}{(1-x)(1-x^2)(1-x^2)(1-x^3)} \right|_w =$$

$$= \sum_{\substack{r,s\\ r+3s=w}} \left. \frac{\begin{array}{c}(1-x^{2+r}-x^{1+r}+x^{3+2r})\\ (1-x^{3+2s}-x^{2+2s}-x^{1+2s}+x^{5+4s}+x^{4+4s}+x^{3+4s}-x^{6+6s})\end{array}}{(1-x)(1-x^2)^2(1-x^3)} \right|_w = \tag{31}$$

$$= \sum_{\substack{r,s\\ r+3s=w}} \left. \frac{\begin{array}{c}1-x^{3+2s}-x^{2+2s}-x^{1+2s}+x^{5+4s}+x^{4+4s}+x^{3+4s}-x^{6+6s}\\ -x^{2+r}+x^{5+2s+r}+x^{4+2s+r}+x^{3+2s+r}\\ -x^{7+4s+r}-x^{6+4s+r}-x^{5+4s+r}+x^{8+6s+r}\\ -x^{1+r}+x^{4+2s+r}+x^{3+2s+r}+x^{2+2s+r}\\ -x^{6+4s+r}-x^{5+4s+r}-x^{4+4s+r}+x^{7+6s+r}\\ +x^{3+2r}-x^{6+2s+2r}-x^{5+2s+2r}-x^{4+2s+2r}\\ +x^{8+4s+2r}+x^{7+4s+2r}+x^{6+4s+2r}-x^{9+6s+2r}\end{array}}{(1-x)(1-x^2)^2(1-x^3)} \right|_w =$$

The members with the indices, which are always greater than $w$ can be omitted.

$$= \sum_{\substack{r,s\\ r+3s=w}} \left. \frac{\begin{array}{c}1-x^{3+2s}-x^{2+2s}-x^{1+2s}+x^{5+4s}+x^{4+4s}+x^{3+4s}-x^{6+6s}\\ -x^{2+r}+x^{5+2s+r}+x^{4+2s+r}+x^{3+2s+r}\\ -x^{1+r}+x^{4+2s+r}+x^{3+2s+r}+x^{2+2s+r}\\ +x^{3+2r}-x^{6+2s+2r}-x^{5+2s+2r}-x^{4+2s+2r}\end{array}}{(1-x)(1-x^2)^2(1-x^3)} \right|_w =$$

$$\begin{aligned}
&= \sum_{s=0}^{[w/3]} \left. \frac{1}{(1-x)(1-x^2)^2(1-x^3)} \right|_w - \sum_{s=0}^{[w/3]} \left. \frac{x+x^2+x^3}{(1-x)(1-x^2)^2(1-x^3)} \right|_{w-2s} \\
&+ \sum_{s=0}^{[w/3]} \left. \frac{x^3+x^4+x^5}{(1-x)(1-x^2)^2(1-x^3)} \right|_{w-4s} - \sum_{s=0}^{[w/3]} \left. \frac{x^6}{(1-x)(1-x^2)^2(1-x^3)} \right|_{w-6s} \\
&- \sum_{s=0}^{[w/3]} \left. \frac{x+x^2}{(1-x)(1-x^2)^2(1-x^3)} \right|_{3s} + \sum_{s=0}^{[w/3]} \left. \frac{x^2+2x^3+2x^4+x^5}{(1-x)(1-x^2)^2(1-x^3)} \right|_{s} \\
&+ \sum_{s=0}^{[w/3]} \left. \frac{x^3}{(1-x)(1-x^2)^2(1-x^3)} \right|_{6s-w} - \sum_{s=0}^{[w/3]} \left. \frac{x^4+x^5+x^6}{(1-x)(1-x^2)^2(1-x^3)} \right|_{4s-w}.
\end{aligned} \tag{32}$$

Indices can be moved: $P(x)|_w = P(x)x^p|_{w+p}$ and it holds $w-2r = 3s-r = 6s-w$ and $w-2s-2r = s-r = 4s-w$. Each term is transformed separately in the following text.

$$\sum_{s=0}^{[w/3]} \left. \frac{1}{(1-x)(1-x^2)^2(1-x^3)} \right|_w = \left. \frac{1}{(1-x)(1-x^2)^2(1-x^3)} \right|_w \cdot ([w/3]+1) = \tag{33}$$

The derivatives can be used for transformation of this formula. If we define $P(x) = \sum_n a_n x^n$, then $P(x)|_w = a_w$ and $\frac{d}{dx}(xP(x))|_w = \frac{d}{dx}(\sum_n a_n x^{n+1}))|_w = (\sum_n (n+1)a_n x^n))|_w =$

$(w+1)a_w = P(x)|_w(w+1)$. The weight $w$ can be expressed by integer division and modulo as $w = 3p + z$, where $p = [w/3]$.

$$= \frac{1}{(1-x)(1-x^2)^2(1-x^3)}\bigg|_{3p+z} \cdot (p+1) =$$

$$= \frac{(1-x^3)(1-x^6)^2}{(1-x)(1-x^2)^2(1-x^3)^2(1-x^6)^2}\bigg|_{3p+z} \cdot (p+1) =$$

$$= \frac{(1+x+x^2)(1+x^2+x^4)^2}{(1-x^3)^2(1-x^6)^2}\bigg|_{3p+z} \cdot (p+1) =$$

$$= \frac{1+x+3x^2+2x^3+5x^4+3x^5+5x^6+2x^7+3x^8+x^9+x^{10}}{(1-x^3)^2(1-x^6)^2}\bigg|_{3p+z} \cdot (p+1) = \tag{34}$$

$$= \begin{cases} \dfrac{1+2x+5x^2+x^3}{(1-x)^2(1-x^2)^2}\bigg|_p \cdot (p+1); & z=0 \\ \dfrac{1+5x+2x^2+x^3}{(1-x)^2(1-x^2)^2}\bigg|_p \cdot (p+1); & z=1 \\ \dfrac{3+3x+3x^2}{(1-x)^2(1-x^2)^2}\bigg|_p \cdot (p+1); & z=2. \end{cases}$$

If $z = 0$:

$$\frac{1+2x+5x^2+x^3}{(1-x)^2(1-x^2)^2}\bigg|_p \cdot (p+1) = \frac{d}{dx}\frac{x+2x^2+5x^3+x^4}{(1-x)^2(1-x^2)^2}\bigg|_p =$$

$$= \frac{\begin{array}{l}(1+4x+15x^2+4x^3)(1-x)^2(1-x^2)^2 \\ -(x+2x^2+5x^3+x^4)(-2(1-x)(1-x^2)^2+(1-x)^2 2(1-x^2)(-2x))\end{array}}{(1-x)^4(1-x^2)^4}\bigg|_p =$$

$$= \frac{(1+4x+15x^2+4x^3)(1-x^2)+2(x+2x^2+5x^3+x^4)(1+3x)}{(1-x)^2(1-x^2)^3}\bigg|_p =$$

$$= \frac{1+6x+24x^2+22x^3+17x^4+2x^5}{(1-x)^2(1-x^2)^3}\bigg|_p = \frac{1+6x^3+24x^6+22x^9+17x^{12}+2x^{15}}{(1-x^3)^2(1-x^6)^3}\bigg|_{3p}. \tag{35}$$

If $z = 1$:

$$\frac{1+5x+2x^2+x^3}{(1-x)^2(1-x^2)^2}\bigg|_p \cdot (p+1) = \frac{d}{dx}\frac{x+5x^2+2x^3+x^4}{(1-x)^2(1-x^2)^2}\bigg|_p =$$

$$= \frac{\begin{array}{l}(1+10x+6x^2+4x^3)(1-x)^2(1-x^2)^2 \\ -(x+5x^2+2x^3+x^4)(-2(1-x)(1-x^2)^2+(1-x)^2 2(1-x^2)(-2x))\end{array}}{(1-x)^4(1-x^2)^4}\bigg|_p =$$

$$= \frac{(1+10x+6x^2+4x^3)(1-x^2)+2(x+5x^2+2x^3+x^4)(1+3x)}{(1-x)^2(1-x^2)^3}\bigg|_p =$$

$$= \frac{1+12x+21x^2+28x^3+8x^4+2x^5}{(1-x)^2(1-x^2)^3}\bigg|_p = \frac{x+12x^4+21x^7+28x^{10}+8x^{13}+2x^{16}}{(1-x^3)^2(1-x^6)^3}\bigg|_{3p+1}. \tag{36}$$

If $z=2$:

$$\frac{3+3x+3x^2}{(1-x)^2(1-x^2)^2}\Big|_p \cdot (p+1) = \frac{d}{dx}\frac{3x+3x^2+3x^3}{(1-x)^2(1-x^2)^2}\Big|_p =$$
$$= \frac{\begin{array}{c}(3+6x+9x^2)(1-x)^2(1-x^2)^2 \\ -(3x+3x^2+3x^3)(-2(1-x)(1-x^2)^2+(1-x)^2 2(1-x^2)(-2x))\end{array}}{(1-x)^4(1-x^2)^4}\Big|_p = \quad (37)$$
$$= \frac{(3+6x+9x^2)(1-x^2)+2(3x+3x^2+3x^3)(1+3x)}{(1-x)^2(1-x^2)^3}\Big|_p =$$
$$= \frac{3+12x+30x^2+18x^3+9x^4}{(1-x)^2(1-x^2)^3}\Big|_p = \frac{3x^2+12x^5+30x^8+18x^{11}+9x^{14}}{(1-x^3)^2(1-x^6)^3}\Big|_{3p+2}.$$

These three expressions can be united

$$\sum_{s=0}^{[w/3]} \frac{1}{(1-x)(1-x^2)^2(1-x^3)}\Big|_w = \quad (38)$$
$$= \frac{\begin{array}{c}1+x+3x^2+6x^3+12x^4+12x^5+24x^6+21x^7+30x^8 \\ +22x^9+28x^{10}+18x^{11}+17x^{12}+8x^{13}+9x^{14}+2x^{15}+2x^{16}\end{array}}{(1-x^3)^2(1-x^6)^3}\Big|_w.$$

Another term:

$$\sum_{s=0}^{[w/3]} \frac{x+x^2+x^3}{(1-x)(1-x^2)^2(1-x^3)}\Big|_{w-2s} = \sum_{s=0}^{[w/3]} \frac{(x+x^2+x^3)x^{2s}}{(1-x)(1-x^2)^2(1-x^3)}\Big|_w = \quad (39)$$

It can be added up as geometric series $\sum_{s=0}^{p} x^{2s} = \frac{1-x^{2(p+1)}}{1-x^2}$. The partition $w=3p+z$, where $p=[w/3]$, is used again.

$$= \frac{(x+x^2+x^3)(1-x^{2([w/3]+1)})}{(1-x)(1-x^2)^3(1-x^3)}\Big|_w = \quad (40)$$
$$= \frac{x+x^2+x^3}{(1-x)(1-x^2)^3(1-x^3)}\Big|_w - \frac{(x+x^2+x^3)x^{2p+2}}{(1-x)(1-x^2)^3(1-x^3)}\Big|_{3p+z}.$$

The second term from the (40) can be expressed as

$$\frac{(x+x^2+x^3)x^{2p+2}}{(1-x)(1-x^2)^3(1-x^3)}\Big|_{3p+z} = \frac{x^3+x^4+x^5}{(1-x)(1-x^2)^3(1-x^3)}\Big|_{p+z} =$$
$$= \left\{ \begin{array}{lll} z=0: & \frac{x^3+x^4+x^5}{(1-x)(1-x^2)^3(1-x^3)}\Big|_p & = \frac{x^9+x^{12}+x^{15}}{(1-x^3)(1-x^6)^3(1-x^9)}\Big|_{3p} \\ z=1: & \frac{x^2+x^3+x^4}{(1-x)(1-x^2)^3(1-x^3)}\Big|_p & = \frac{x^7+x^{10}+x^{13}}{(1-x^3)(1-x^6)^3(1-x^9)}\Big|_{3p+1} \\ z=2: & \frac{x+x^2+x^3}{(1-x)(1-x^2)^3(1-x^3)}\Big|_p & = \frac{x^5+x^8+x^{11}}{(1-x^3)(1-x^6)^3(1-x^9)}\Big|_{3p+2} \end{array} \right\} = \quad (41)$$

$$= \frac{x^5+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{15}}{(1-x^3)(1-x^6)^3(1-x^9)}\Big|_w.$$

Therefore the entire second term of (32) equals

$$\sum_{s=0}^{[w/3]} \frac{x+x^2+x^3}{(1-x)(1-x^2)^2(1-x^3)}\Big|_{w-2s} = \\ \frac{x+x^2+x^3}{(1-x)(1-x^2)^3(1-x^3)}\Big|_w - \frac{x^5+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{15}}{(1-x^3)(1-x^6)^3(1-x^9)}\Big|_w. \tag{42}$$

The third term of (32)

$$\sum_{s=0}^{[w/3]} \frac{x^3+x^4+x^5}{(1-x)(1-x^2)^2(1-x^3)}\Big|_{w-4s} = \sum_{s=0}^{[w/3]} \frac{(x^3+x^4+x^5)x^{4s}}{(1-x)(1-x^2)^2(1-x^3)}\Big|_w = \\ = \frac{(x^3+x^4+x^5)(1-x^{4([w/3]+1)})}{(1-x)(1-x^2)^2(1-x^3)(1-x^4)}\Big|_w = \frac{x^3+x^4+x^5}{(1-x)(1-x^2)^2(1-x^3)(1-x^4)}\Big|_w, \tag{43}$$

$4([w/3]+1)$ is always greater than $w$, that is why the second term can be omitted. Another term of (32) is

$$\sum_{s=0}^{[w/3]} \frac{x^6}{(1-x)(1-x^2)^2(1-x^3)}\Big|_{w-6s} = \sum_{s=0}^{[w/3]} \frac{x^{6+6s}}{(1-x)(1-x^2)^2(1-x^3)}\Big|_w = \\ = \frac{x^6(1-x^{6([w/3]+1)})}{(1-x)(1-x^2)^2(1-x^3)(1-x^6)}\Big|_w = \frac{x^6}{(1-x)(1-x^2)^2(1-x^3)(1-x^6)}\Big|_w, \tag{44}$$

$6([w/3]+1)$ is always greater than $w$, that is why the second term can be omitted. Another term of (32) is

$$\sum_{s=0}^{[w/3]} \frac{x+x^2}{(1-x)(1-x^2)^2(1-x^3)}\Big|_{3s} = \sum_{s=0}^{[w/3]} \frac{(x+x^2)x^{-3s}}{(1-x)(1-x^2)^2(1-x^3)}\Big|_0 = \\ = \frac{(x+x^2)(x^{-3([w/3]+1)}-1)}{(1-x)(1-x^2)^2(1-x^3)(x^{-3}-1)}\Big|_0 = \frac{(x+x^2)(x^{-3[w/3]}-x^3)}{(1-x)(1-x^2)^2(1-x^3)^2}\Big|_0 = \\ = \frac{x+x^2}{(1-x)(1-x^2)^2(1-x^3)^2}\Big|_{3[w/3]} = \frac{(x+x^2)(1+x+x^2)(1+x^2+x^4)^2}{(1-x^3)^3(1-x^6)^2}\Big|_{3[w/3]} = \\ = \frac{x+2x^2+4x^3+5x^4+7x^5+8x^6+8x^7+7x^8+5x^9+4x^{10}+2x^{11}+x^{12}}{(1-x^3)^3(1-x^6)^2}\Big|_{3[w/3]} = \\ = \frac{4x^3+8x^6+5x^9+x^{12}}{(1-x^3)^3(1-x^6)^2}\Big|_{3[w/3]} = \frac{(4x^3+8x^6+5x^9+x^{12})(1+x+x^2)}{(1-x^3)^3(1-x^6)^2}\Big|_w = \\ = \frac{(4x^3+8x^6+5x^9+x^{12})(1-x^3)}{(1-x)(1-x^3)^3(1-x^6)^2}\Big|_w = \frac{4x^3+8x^6+5x^9+x^{12}}{(1-x)(1-x^3)^2(1-x^6)^2}\Big|_w. \tag{45}$$

Another term

$$\sum_{s=0}^{[w/3]} \frac{x^2+2x^3+2x^4+x^5}{(1-x)(1-x^2)^2(1-x^3)}\Big|_s = \sum_{s=0}^{[w/3]} \frac{(x^2+2x^3+2x^4+x^5)x^{-s}}{(1-x)(1-x^2)^2(1-x^3)}\Big|_0 =$$
$$= \frac{(x^2+2x^3+2x^4+x^5)(x^{-([w/3]+1)}-1)}{(1-x)(1-x^2)^2(1-x^3)(x^{-1}-1)}\Big|_0 = \frac{(x^2+2x^3+2x^4+x^5)(x^{-[w/3]}-x)}{(1-x)^2(1-x^2)^2(1-x^3)}\Big|_0 =$$
$$= \frac{x^2+2x^3+2x^4+x^5}{(1-x)^2(1-x^2)^2(1-x^3)}\Big|_{[w/3]} = \frac{x^6+2x^9+2x^{12}+x^{15}}{(1-x^3)^2(1-x^6)^2(1-x^9)}\Big|_{3[w/3]} =$$
$$= \frac{(x^6+2x^9+2x^{12}+x^{15})(1+x+x^2)}{(1-x^3)^2(1-x^6)^2(1-x^9)}\Big|_w = \frac{x^6+2x^9+2x^{12}+x^{15}}{(1-x)(1-x^3)(1-x^6)^2(1-x^9)}\Big|_w. \tag{46}$$

The 7th term of (32)

$$\sum_{s=0}^{[w/3]} \frac{x^3}{(1-x)(1-x^2)^2(1-x^3)}\Big|_{6s-w} = \sum_{s=0}^{[w/3]} \frac{x^{3+w-6s}}{(1-x)(1-x^2)^2(1-x^3)}\Big|_0 =$$
$$= \frac{x^{3+w}(x^{-6([w/3]+1)}-1)}{(1-x)(1-x^2)^2(1-x^3)(x^{-6}-1)}\Big|_0 = \frac{x^{3+w}(x^{-6[w/3]}-x^6)}{(1-x)(1-x^2)^2(1-x^3)(1-x^6)}\Big|_0 =$$
$$= \frac{x^{3+2w-6[w/3]}}{(1-x)(1-x^2)^2(1-x^3)(1-x^6)}\Big|_w = \frac{x^{3+2z}}{(1-x)(1-x^2)^2(1-x^3)(1-x^6)}\Big|_{3p+z} =$$
$$= \frac{x^{3+z}(1+x+x^2)(1+x^2+x^4)^2}{(1-x^3)^2(1-x^6)^3}\Big|_{3p} =$$
$$\frac{x^{3+z}(1+x+3x^2+2x^3+5x^4+3x^5+5x^6+2x^7+3x^8+x^9+x^{10})}{(1-x^3)^2(1-x^6)^3}\Big|_{3p} = \tag{47}$$
$$= \left\{ \begin{array}{ll} z=0: & \frac{x+2x^2+5x^3+x^4}{(1-x)^2(1-x^2)^3}\Big|_p = \frac{x^3+2x^6+5x^9+x^{12}}{(1-x^3)^2(1-x^6)^3}\Big|_{3p} \\ z=1: & \frac{3x^2+3x^3+3x^4}{(1-x)^2(1-x^2)^3}\Big|_p = \frac{3x^7+3x^{10}+3x^{13}}{(1-x^3)^2(1-x^6)^3}\Big|_{3p+1} \\ z=2: & \frac{x^2+5x^3+2x^4+x^5}{(1-x)^2(1-x^2)^3}\Big|_p = \frac{x^8+5x^{11}+2x^{14}+x^{17}}{(1-x^3)^2(1-x^6)^3}\Big|_{3p+2} \end{array} \right\} =$$
$$= \frac{x^3+2x^6+3x^7+x^8+5x^9+3x^{10}+5x^{11}+x^{12}+3x^{13}+2x^{14}+x^{17}}{(1-x^3)^2(1-x^6)^3}\Big|_w$$

and last term

$$\sum_{s=0}^{[w/3]} \frac{x^4+x^5+x^6}{(1-x)(1-x^2)^2(1-x^3)}\Big|_{4s-w} \sum_{s=0}^{[w/3]} \frac{(x^4+x^5+x^6)x^{w-4s}}{(1-x)(1-x^2)^2(1-x^3)}\Big|_0 =$$

$$= \frac{(x^4+x^5+x^6)x^w(x^{-4([w/3]+1)}-1)}{(1-x)(1-x^2)^2(1-x^3)(x^{-4}-1)}\Big|_0 = \frac{(x^4+x^5+x^6)x^w(x^{-4[w/3]}-x^4)}{(1-x)(1-x^2)^2(1-x^3)(1-x^4)}\Big|_0 =$$

$$= \frac{(x^4+x^5+x^6)x^{3p+z-4p}}{(1-x)(1-x^2)^2(1-x^3)(1-x^4)}\Big|_w = \frac{(x^4+x^5+x^6)x^z}{(1-x)(1-x^2)^2(1-x^3)(1-x^4)}\Big|_p =$$

$$= \left\{ \begin{array}{ll} z=0: & \frac{x^{12}+x^{15}+x^{18}}{(1-x^3)(1-x^6)^2(1-x^9)(1-x^{12})}\Big|_{3p} \\ z=1: & \frac{x^{16}+x^{19}+x^{22}}{(1-x^3)(1-x^6)^2(1-x^9)(1-x^{12})}\Big|_{3p+1} \\ z=2: & \frac{x^{20}+x^{23}+x^{26}}{(1-x^3)(1-x^6)^2(1-x^9)(1-x^{12})}\Big|_{3p+2} \end{array} \right\} = \tag{48}$$

$$= \frac{x^{12}+x^{15}+x^{16}+x^{18}+x^{19}+x^{20}+x^{22}+x^{23}+x^{26}}{(1-x^3)(1-x^6)^2(1-x^9)(1-x^{12})}\Big|_w .$$

Now all terms can be added up

$$\sum_{\substack{r,s \\ r+3s=w}} N(2,r,3,2s;w) =$$

$$= \frac{1+x+3x^2+6x^3+12x^4+12x^5+24x^6+21x^7+30x^8}{+22x^9+28x^{10}+18x^{11}+17x^{12}+8x^{13}+9x^{14}+2x^{15}+2x^{16}}{(1-x^3)^2(1-x^6)^3}\Big|_w$$

$$-\frac{x+x^2+x^3}{(1-x)(1-x^2)^3(1-x^3)}\Big|_w + \frac{x^5+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{15}}{(1-x^3)(1-x^6)^3(1-x^9)}\Big|_w$$

$$+\frac{x^3+x^4+x^5}{(1-x)(1-x^2)^2(1-x^3)(1-x^4)}\Big|_w - \frac{x^6}{(1-x)(1-x^2)^2(1-x^3)(1-x^6)}\Big|_w \tag{49}$$

$$-\frac{4x^3+8x^6+5x^9+x^{12}}{(1-x)(1-x^3)^2(1-x^6)^2}\Big|_w + \frac{x^6+2x^9+2x^{12}+x^{15}}{(1-x)(1-x^3)(1-x^6)^2(1-x^9)}\Big|_w$$

$$+\frac{x^3+2x^6+3x^7+x^8+5x^9+3x^{10}+5x^{11}+x^{12}+3x^{13}+2x^{14}+x^{17}}{(1-x^3)^2(1-x^6)^3}\Big|_w$$

$$-\frac{x^{12}+x^{15}+x^{16}+x^{18}+x^{19}+x^{20}+x^{22}+x^{23}+x^{26}}{(1-x^3)(1-x^6)^2(1-x^9)(1-x^{12})}\Big|_w =$$

$$
\begin{aligned}
&= \frac{\begin{array}{c}1+x+3x^2+7x^3+12x^4+12x^5+26x^6+24x^7+31x^8+27x^9\\ +31x^{10}+23x^{11}+18x^{12}+11x^{13}+11x^{14}+2x^{15}+2x^{16}+x^{17}\end{array}}{(1-x^3)^2(1-x^6)^3}\Bigg|_w \\
&-\frac{x+x^2+x^3}{(1-x)(1-x^2)^3(1-x^3)}\Bigg|_w \\
&+\frac{\begin{array}{c}(x^5+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{15})(1-x^{12})\\ -(x^{12}+x^{15}+x^{16}+x^{18}+x^{19}+x^{20}+x^{22}+x^{23}+x^{26})(1-x^6)\end{array}}{(1-x^3)(1-x^6)^3(1-x^9)(1-x^{12})}\Bigg|_w \\
&+\frac{(x^3+x^4+x^5)(1-x^6)-x^6(1-x^4)}{(1-x)(1-x^2)^2(1-x^3)(1-x^4)(1-x^6)}\Bigg|_w \\
&-\frac{(4x^3+8x^6+5x^9+x^{12})(1-x^9)-(x^6+2x^9+2x^{12}+x^{15})(1-x^3)}{(1-x)(1-x^3)^2(1-x^6)^2(1-x^9)}\Bigg|_w = \\
&= \frac{\begin{array}{c}(1+x+3x^2+7x^3+12x^4+12x^5+26x^6+24x^7+31x^8+27x^9+31x^{10}\\ +23x^{11}+18x^{12}+11x^{13}+11x^{14}+2x^{15}+2x^{16}+x^{17})(1-x)(1-x^2)^3\\ (1-x^4)(1-x^9)(1-x^{12})\\ -(x+x^2+x^3)(1-x^3)(1-x^4)(1-x^6)^3(1-x^9)(1-x^{12})\\ +(x^5+x^7+x^8+x^9+x^{10}+x^{11}+x^{13}-x^{16}-x^{17}-2x^{19}-2x^{20}\\ -x^{22}-2x^{23}-x^{27}+x^{28}+x^{29}+x^{32})(1-x)(1-x^2)^3(1-x^3)(1-x^4)\\ +(x^3+x^4+x^5-x^6-x^9-x^{11})(1-x^2)(1-x^3)(1-x^6)^2(1-x^9)(1-x^{12})\\ -(4x^3+7x^6+4x^9-3x^{12}-7x^{15}-4x^{18}-x^{21})(1-x^2)^3(1-x^4)(1-x^6)\\ (1-x^{12})\end{array}}{(1-x)(1-x^2)^3(1-x^3)^2(1-x^4)(1-x^6)^3(1-x^9)(1-x^{12})}\Bigg|_w = \\
&= \frac{\begin{array}{c}(1+x+3x^2+7x^3+12x^4+12x^5+26x^6+24x^7+31x^8+27x^9+31x^{10}\\ +23x^{11}+18x^{12}+11x^{13}+11x^{14}+2x^{15}+2x^{16}+x^{17})(1-x^2)^2(1-x^4)\\ (1-x^9)(1-x^{12})\\ -(x+x^2+x^3)(1+x+x^2)(1+x^2)(1-x^6)^3(1-x^9)(1-x^{12})\\ +(x^5+x^7+x^8+x^9+x^{10}+x^{11}+x^{13}-x^{16}-x^{17}-2x^{19}-2x^{20}\\ -x^{22}-2x^{23}-x^{27}+x^{28}+x^{29}+x^{32})(1-x^2)^2(1-x^3)(1-x^4)\\ +(x^3+x^4+x^5-x^6-x^9-x^{11})(1+x+x^2)(1-x^6)^2(1-x^9)(1-x^{12})\\ -(4x^3+7x^6+4x^9-3x^{12}-7x^{15}-4x^{18}-x^{21})(1+x)(1-x^2)(1-x^4)\\ (1-x^6)(1-x^{12})\end{array}}{(1-x^2)^2(1-x^3)^2(1-x^4)(1-x^6)^3(1-x^9)(1-x^{12})}\Bigg|_w =
\end{aligned}
\tag{50}
$$

(51)

$$
\begin{gathered}
1+x+x^2+5x^3+6x^4-2x^5+4x^6+2x^7-16x^8-9x^9-11x^{10}-15x^{11}\\
-10x^{12}-6x^{13}+12x^{14}+x^{15}+3x^{16}+34x^{17}+5x^{18}+5x^{19}+34x^{20}+6x^{21}\\
+3x^{22}+4x^{23}-3x^{24}-7x^{25}-29x^{26}-7x^{27}-6x^{28}-36x^{29}-2x^{30}-18x^{32}\\
+5x^{33}+9x^{34}+11x^{35}+12x^{36}+12x^{37}+16x^{38}+x^{39}-3x^{40}+4x^{41}-7x^{42}\\
-7x^{43}-2x^{45}-x^{46}\\
-(x+2x^2+4x^3+4x^4+4x^5+2x^6-2x^7-6x^8-12x^9-13x^{10}-14x^{11}\\
-10x^{12}-5x^{13}+6x^{15}+10x^{16}+14x^{17}+16x^{18}+16x^{19}+16x^{20}+14x^{21}\\
+9x^{22}+4x^{23}-4x^{24}-9x^{25}-14x^{26}-16x^{27}-16x^{28}-16x^{29}-14x^{30}\\
-10x^{31}-6x^{32}+5x^{34}+10x^{35}+14x^{36}+13x^{37}+12x^{38}+6x^{39}+2x^{40}\\
-2x^{41}-4x^{42}-4x^{43}-4x^{44}-2x^{45}-x^{46})\\
+x^5-x^7-x^9-x^{12}+x^{13}+x^{14}+x^{15}-2x^{17}+2x^{18}+x^{19}-2x^{20}+2x^{21}\\
-2x^{23}-2x^{27}+3x^{29}-2x^{30}-x^{31}+2x^{32}-x^{33}+2x^{35}+x^{36}-x^{37}-x^{38}\\
+x^{39}-2x^{41}+x^{43}\\
+x^3+2x^4+3x^5+x^6-x^8-3x^9-5x^{10}-8x^{11}-4x^{12}-3x^{13}-x^{14}+x^{15}\\
+2x^{16}+5x^{17}+5x^{18}+7x^{19}+8x^{20}+5x^{21}+5x^{22}+4x^{23}-2x^{25}-6x^{26}\\
-5x^{27}-6x^{28}-7x^{29}-5x^{30}-6x^{31}-5x^{32}-x^{33}+x^{34}+4x^{35}+4x^{36}\\
+5x^{37}+7x^{38}+3x^{39}+2x^{40}-x^{41}-x^{42}-x^{43}-2x^{44}-x^{45}-x^{46}\\
-(4x^3+4x^4-4x^5+3x^6+3x^7-11x^8-3x^9-3x^{10}-7x^{11}-3x^{12}-3x^{13}\\
+10x^{14}-5x^{15}-5x^{16}+25x^{17}-3x^{18}-3x^{19}+23x^{20}-x^{21}-x^{22}+2x^{23}\\
-20x^{26}+4x^{27}+4x^{28}-26x^{29}+3x^{30}+3x^{31}-13x^{32}+5x^{33}+5x^{34}+5x^{35}\\
+3x^{36}+3x^{37}+10x^{38}-3x^{39}-3x^{40}+5x^{41}-3x^{42}-3x^{43}+x^{44}-x^{45}-x^{46})
\end{gathered}
$$

$$
= \frac{}{(1-x^2)^2(1-x^3)^2(1-x^4)(1-x^6)^3(1-x^9)(1-x^{12})}\Big|_w =
\tag{52}
$$

$$
\begin{gathered}
1-x^2-2x^3+2x^5+2x^9-2x^{11}-2x^{12}+2x^{14}+2x^{15}-2x^{17}-x^{18}+x^{20}\\
+x^{24}-x^{26}-2x^{27}+2x^{29}+2x^{30}-2x^{32}-2x^{33}+2x^{35}+2x^{39}-2x^{41}-x^{42}\\
+x^{44}
\end{gathered}
$$

$$
= \frac{}{(1-x^2)^2(1-x^3)^2(1-x^4)(1-x^6)^3(1-x^9)(1-x^{12})}\Big|_w =
$$

$$
= \frac{1-2x^3+2x^9-2x^{12}+2x^{15}-x^{18}+x^{24}-2x^{27}+2x^{30}-2x^{33}+2x^{39}-x^{42}}{(1-x^2)(1-x^3)^2(1-x^4)(1-x^6)^3(1-x^9)(1-x^{12})}\Big|_w =
$$

$$
= \frac{1-x^3-x^6+x^9-x^{12}+x^{15}+x^{24}-x^{27}+x^{30}-x^{33}-x^{36}+x^{39}}{(1-x^2)(1-x^3)(1-x^4)(1-x^6)^3(1-x^9)(1-x^{12})}\Big|_w =
$$

$$
= \frac{1-x^6-x^{12}+x^{24}+x^{30}-x^{36}}{(1-x^2)(1-x^4)(1-x^6)^3(1-x^9)(1-x^{12})}\Big|_w =
$$

$$
= \frac{1-x^{12}-x^{18}+x^{30}}{(1-x^2)(1-x^4)(1-x^6)^2(1-x^9)(1-x^{12})}\Big|_w =
$$

$$
= \frac{1-x^{18}}{(1-x^2)(1-x^4)(1-x^6)^2(1-x^9)}\Big|_w =
$$

$$
= \frac{1+x^9}{(1-x^2)(1-x^4)(1-x^6)^2}\Big|_w .
\tag{53}
$$

The result in form $1/(1-x^n)|_w$ can be understood as the sum of a geometric series $1+x^n+x^{2n}+x^{3n}+\cdots|_w$. It means an invariant with a weight $n$ and all its powers.

Similarly, the result in form $1/((1-x^{n_1})(1-x^{n_2}))|_w$ means two independent invariants with weights $n_1$ and $n_2$, all their powers and products. The polynomials in the numerator express invariants, which are linearly independent, but some of their powers or products are linearly dependent. Such invariants together with the independent ones are called irreducible. Generally, the reducible invariant can be expressed as a polynomial of other invariants, the irreducible one cannot.

In our case there is one invariant of weight 2, one invariant of weight 4 and two invariants of weight 6. There is also one invariant of weight 9, but its second power is dependent. Therefore its sign is independent, but its absolute value is algebraically dependent on the other four invariants.

There is another method, how to acquire expressions as the last one in (53). We can compute the beginning of the sequence in (30) for adequate amount of $w$ and then search a combination of weights, which causes in polynomial multiplication that last members of the sequence are zero and all members are nonnegative. The following expressions were acquired by this method. The invariants from the moments of the 2nd, 3rd and 4th orders:

$$\sum_{\substack{r,s,t\\ r+3s+2t=w}}\sum N(2,r,3,2s,4,t;w) = =$$
$$= \sum_{\substack{r,s,t\\ r+3s+2t=w}}\sum \left[\begin{array}{c} 2+r \\ 2 \end{array}\right]\left[\begin{array}{c} 3+2s \\ 3 \end{array}\right]\left[\begin{array}{c} 4+t \\ 4 \end{array}\right]^*\Bigg|_w =$$
$$= \frac{\begin{array}{c} 1+x^4+4x^6+2x^7+5x^8+9x^9+9x^{10}+11x^{11}+18x^{12}+20x^{13}+21x^{14}+34x^{15} \\ +30x^{16}+36x^{17}+44x^{18}+45x^{19}+46x^{20}+60x^{21}+54x^{22}+57x^{23}+66x^{24} \\ +59x^{25}+59x^{26}+66x^{27}+57x^{28}+54x^{29}+60x^{30}+46x^{31}+45x^{32}+44x^{33} \\ +36x^{34}+30x^{35}+34x^{36}+21x^{37}+20x^{38}+18x^{39}+11x^{40}+9x^{41}+9x^{42}+5x^{43} \\ +2x^{44}+4x^{45}+x^{47}+x^{51} \end{array}}{(1-x^2)(1-x^4)^2(1-x^6)^2(1-x^8)(1-x^{10})(1-x^{12})(1-x^{18})}\Bigg|_w . \tag{54}$$

The numbers of invariants from the moments of the 2nd, 3rd, 4th and 5th orders were acquired by similar method:

$$\sum_{\substack{r,s,t,u\\2r+3s+4t+5u=2w}}\sum\sum\sum N(2,r,3,s,4,t,5,u;w) = =$$

$$= \sum_{\substack{r,s,t,u\\2r+3s+4t+5u=2w}}\sum\sum \left[\begin{array}{c}2+r\\2\end{array}\right]\left[\begin{array}{c}3+s\\3\end{array}\right]\left[\begin{array}{c}4+t\\4\end{array}\right]\left[\begin{array}{c}5+u\\5\end{array}\right]^*\Bigg|_w =$$

$$\begin{array}{c}1+x^4+x^5+7x^6+6x^7+19x^8+28x^9+51x^{10}+71x^{11}+128x^{12}+180x^{13}\\+284x^{14}+414x^{15}+609x^{16}+854x^{17}+1241x^{18}+1673x^{19}+2322x^{20}+3119x^{21}\\+4158x^{22}+5439x^{23}+7122x^{24}+9095x^{25}+11606x^{26}+14601x^{27}+18195x^{28}\\+22428x^{29}+27529x^{30}+33282x^{31}+40054x^{32}+47774x^{33}+56473x^{34}\\+66257x^{35}+77232x^{36}+89180x^{37}+102379x^{38}+116695x^{39}+131987x^{40}\\+148324x^{41}+165669x^{42}+183664x^{43}+202381x^{44}+221699x^{45}+241124x^{46}\\+260807x^{47}+280390x^{48}+299499x^{49}+318072x^{50}+335954x^{51}+352493x^{52}\\+367915x^{53}+381767x^{54}+393829x^{55}+403917x^{56}+412146x^{57}+417835x^{58}\\+421456x^{59}+422688x^{60}+421456x^{61}+417835x^{62}+412146x^{63}+403917x^{64}\\+393829x^{65}+381767x^{66}+367915x^{67}+352493x^{68}+335954x^{69}+318072x^{70}\\+299499x^{71}+280390x^{72}+260807x^{73}+241124x^{74}+221699x^{75}+202381x^{76}\\+183664x^{77}+165669x^{78}+148324x^{79}+131987x^{80}+116695x^{81}+102379x^{82}\\+89180x^{83}+77232x^{84}+66257x^{85}+56473x^{86}+47774x^{87}+40054x^{88}\\+33282x^{89}+27529x^{90}+22428x^{91}+18195x^{92}+14601x^{93}+11606x^{94}+9095x^{95}\\+7122x^{96}+5439x^{97}+4158x^{98}+3119x^{99}+2322x^{100}+1673x^{101}+1241x^{102}\\+854x^{103}+609x^{104}+414x^{105}+284x^{106}+180x^{107}+128x^{108}+71x^{109}+51x^{110}\\+28x^{111}+19x^{112}+6x^{113}+7x^{114}+x^{115}+x^{116}+x^{120}\end{array}$$

$$= \frac{}{(1-x^2)(1-x^4)^2(1-x^6)^2(1-x^7)(1-x^8)(1-x^{10})(1-x^{11})(1-x^{12})(1-x^{15})^2}\Bigg|_w.$$

$$(1-x^{16})(1-x^{18})(1-x^{20})$$

(55)

These expressions are not too useful, because they do not say anything about the structure of the invariants and the weights of the invariants in the denominator can be changed. The expressions for homogeneous invariants, i.e. invariants from the moments of the same order, are more interesting. They can be calculated by the simpler way, because the summation is omitted:

$$N(2,r;w) = \left[\begin{array}{c}2+r\\2\end{array}\right]^*_w = \frac{1}{1-x^2}\Bigg|_w \qquad w=r \tag{56}$$

$$N(3,2s;w) = \left[\begin{array}{c}3+2s\\3\end{array}\right]^*_w = \frac{1}{1-x^6}\Bigg|_w \qquad w=3s \tag{57}$$

$$N(4,r;w) = \left[\begin{array}{c}4+r\\4\end{array}\right]^*_w = \frac{1}{(1-x^4)(1-x^6)}\Bigg|_w \qquad w=2r \tag{58}$$

$$N(5,2s;w) = \left[\begin{array}{c}5+2s\\5\end{array}\right]^*_w = \frac{1+x^{45}}{(1-x^{10})(1-x^{20})(1-x^{30})}\Bigg|_w \qquad w=5s \tag{59}$$

$$N(6,r;w) = \left[ \begin{array}{c} 6+r \\ 6 \end{array} \right]^*_w = \left. \frac{1+x^{45}}{(1-x^6)(1-x^{12})(1-x^{18})(1-x^{30})} \right|_w \qquad w = 3r \tag{60}$$

$$N(7,2s;w) = \left[ \begin{array}{c} 7+2s \\ 7 \end{array} \right]^*_w = \\ = \left. \frac{\begin{array}{c} 1+2x^{28}+4x^{42}+4x^{49}+5x^{56}+9x^{63}+6x^{70}+9x^{77}+8x^{84}+9x^{91} \\ +6x^{98}+9x^{105}+5x^{112}+4x^{119}+4x^{126}+2x^{140}+x^{168} \end{array}}{(1-x^{14})(1-x^{28})(1-x^{42})^2(1-x^{70})} \right|_w \\ w = 7s \tag{61}$$

$$N(8,r;w) = \left[ \begin{array}{c} 8+r \\ 8 \end{array} \right]^*_w = \left. \frac{1+x^{32}+x^{36}+x^{40}+x^{72}}{(1-x^8)(1-x^{12})(1-x^{16})(1-x^{20})(1-x^{24})(1-x^{28})} \right|_w \\ w = 4r \tag{62}$$

$$N(9,2s;w) = \left[ \begin{array}{c} 9+2s \\ 9 \end{array} \right]^*_w = \\ = \left. \frac{\begin{array}{c} 1+x^{18}+5x^{36}+4x^{45}+17x^{54}+20x^{63}+47x^{72}+61x^{81}+97x^{90}+120x^{99} \\ +165x^{108}+189x^{117}+223x^{126}+241x^{135}+254x^{144}+254x^{153}+241x^{162} \\ +223x^{171}+189x^{180}+165x^{189}+120x^{198}+97x^{207}+61x^{216}+47x^{225} \\ +20x^{234}+17x^{243}+4x^{252}+5x^{261}+x^{279}+x^{297} \end{array}}{(1-x^{18})(1-x^{36})(1-x^{45})(1-x^{54})^2(1-x^{63})(1-x^{72})} \right|_w \\ w = 9s \tag{63}$$

$$N(10,r;w) = \left[ \begin{array}{c} 10+r \\ 10 \end{array} \right]^*_w = \\ = \left. \frac{\begin{array}{c} 1+2x^{30}+4x^{40}+4x^{45}+7x^{50}+8x^{55}+15x^{60}+15x^{65}+20x^{70}+27x^{75} \\ +29x^{80}+35x^{85}+40x^{90}+44x^{95}+47x^{100}+55x^{105}+52x^{110}+57x^{115} \\ +56x^{120}+57x^{125}+52x^{130}+55x^{135}+47x^{140}+44x^{145}+40x^{150}+35x^{155} \\ +29x^{160}+27x^{165}+20x^{170}+15x^{175}+15x^{180}+8x^{185}+7x^{190}+4x^{195} \\ +4x^{200}+2x^{210}+x^{240} \end{array}}{(1-x^{10})(1-x^{20})(1-x^{30})^2(1-x^{40})(1-x^{45})(1-x^{50})(1-x^{70})} \right|_w \\ w = 5r \tag{64}$$

It corresponds with results published in [15]. Table 1 presents weights of the independent homogeneous invariants falling under the limit 10.

The way of expressing the number of invariants in (53), (54) and (55) does not express the structure of the invariants. We can use another way. E.g. the number of invariants

Table 1: The weights $\leq 10$ of the independent homogeneous invariants

| order | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|
| weight | 2 | 6 | 4,6 | 10 | 6 | - | 8 | - | 10 |

of the 2nd and 3rd orders (53) can be expressed as

$$\left.\frac{1+x^3y^6}{(1-x^2)(1-y^6)(1-xy^3)(1-x^3y^3)}\right|_{r,3s} = \left.\frac{1+x^3y^4}{(1-x^2)(1-y^4)(1-xy^2)(1-x^3y^2)}\right|_{r,\bar{s}}, \tag{65}$$

where $|_{r,s}$ denotes the coefficient at the term, where the exponent of the $x$ equals $r$ and the exponent of the $y$ equals $s$. We use the convention that $x$ corresponds to the 2nd order moments, $y$ to the 3rd order, $z$ to the 4th order and $v$ to the 5th order.

The first expression uses weights, i.e. it expresses the number of invariants, where the contribution of the 2nd order moments to the weight is $r$ and the contribution of the 3rd order moments to the weight is $3s$. The second expression uses the numbers of the moments in one term, i.e. it expresses the number of invariants, where the number of the 2nd order moments in one term is $r$ and the number of the 3rd order moments in one term is $\bar{s}$. Since the weight of $\bar{s}$ 3rd order moments is $3\bar{s}/2$, it holds $\bar{s} = 2s$.

The structure of the invariant means the numbers of moments of the individual orders in each term of the invariant. It can be expressed as a list of the orders or as a list of the numbers of the orders from 2. This latter way is used in this paper, i.e. the structure is a vector showing the number of moments of the second, third, fourth, etc. orders involved in one term, e.g. the structure 0,1,0,3 means that each term of the invariant is the product of one 3rd order moment and three 5th order moments. There are no 2nd and 4th order moments.

The following expressions were obtained by the similar method as the previous more complicated ones, i.e. the array of the numbers of linearly independent invariants was computed by means of Gauss polynomials and then the expressions in the denominator were tipped and their contributions were subtracted from the array. The homogeneous members were used as the expressions in the denominator first, other were tipped from periodicity of the difference until no infinite residue remains. The number of invariants of the 2nd and 4th orders

$$\begin{aligned}&\left.\frac{1+x^3z^6}{(1-x^2)(1-z^4)(1-z^6)(1-x^2z^2)(1-x^2z^4)}\right|_{r,,2t} = \\ &= \left.\frac{1+x^3z^3}{(1-x^2)(1-z^2)(1-z^3)(1-x^2z)(1-x^2z^2)}\right|_{r,,\bar{t}},\end{aligned} \tag{66}$$

where $\bar{t} = 2t$. It means there is one invariants of the second order with weight 2, two invariants of the fourth order with weights 4 and 6, two simultaneous invariants second

and fourth order with weights 4 and 6 and one dependent simultaneous invariant with weight 9.

The number of invariants of the 3rd and 4th orders

$$\left.\frac{\begin{array}{c}1+y^6z^4+2y^6z^6+2y^6z^8+y^6z^{10}+y^9z^4+3y^9z^6+2y^9z^8+y^9z^{10}\\ -y^{12}z^8-2y^{12}z^{10}-3y^{12}z^{12}-y^{12}z^{14}-y^{15}z^8-2y^{15}z^{10}-2y^{15}z^{12}-y^{15}z^{14}\\ -x^{21}y^{18}\end{array}}{(1-y^6)(1-z^4)(1-z^6)(1-y^6z^2)(1-y^6z^4)(1-y^3z^6)(1-y^6z^6)}\right|_{,3s,2t}=$$

$$=\left.\frac{\begin{array}{c}1+y^4z^2+2y^4z^3+2y^4z^4+y^4z^5+y^6z^2+3y^6z^3+2y^6z^4+y^6z^5\\ -y^8z^4-2y^8z^5-3y^8z^6-y^8z^7-y^{10}z^4-2y^{10}z^5-2y^{10}z^6-y^{10}z^7-x^{14}y^9\end{array}}{(1-y^4)(1-z^2)(1-z^3)(1-y^4z)(1-y^4z^2)(1-y^2z^3)(1-y^4z^3)}\right|_{,\bar{s},\bar{t}}. \tag{67}$$

We were not successful in removing negative coefficients in the numerator. It means that not all invariants in the denominator are independent. These results correspond with that published in [16].

There is used number notation in the next expressions, not weight one. The number of invariants of the 2nd, 3rd and 4th orders

$$\left.\frac{\begin{array}{c}1+x^3y^4+2xy^2z+2x^2y^2z+x^3y^2z+x^4y^2z+2xy^4z+x^2y^4z+x^3y^4z-x^5y^4z\\ -x^3y^6z-x^4y^6z-x^3y^8z+3xy^2z^2+3x^2y^2z^2+x^3y^2z^2+x^4y^2z^2+y^4z^2+4xy^4z^2\\ +3x^2y^4z^2+2x^3y^4z^2-x^5y^4z^2+y^6z^2-2x^3y^6z^2-3x^4y^6z^2-xy^6z^2-x^2y^6z^2\\ -3x^3y^6z^2-2x^4y^6z^2+x^3z^3+2xy^2z^3+3x^2y^2z^3-x^4y^2z^3-x^6y^2z^3+2y^4z^3\\ +5xy^4z^3+4x^2y^4z^3+x^3y^4z^3-x^5y^4z^3+x^7y^4z^3+3y^6z^3-x^2y^6z^3-2x^3y^6z^3\\ -4x^4y^6z^3+x^6y^6z^3-3xy^8z^3-3x^2y^8z^3-6x^3y^8z^3-4x^4y^8z^3-x^2y^{10}z^3-x^5y^{10}z^3\\ +x^3y^{12}z^3+xy^2z^4+x^2y^2z^4-x^3y^2z^4-x^4y^2z^4+2y^4z^4+3xy^4z^4+2x^2y^4z^4\\ -x^3y^4z^4-2x^4y^4z^4-x^5y^4z^4+2y^6z^4-2x^2y^6z^4-2x^3y^6z^4-3x^4y^6z^4+2x^6y^6z^4\\ -y^8z^4-3xy^8z^4-5x^2y^8z^4-5x^3y^8z^4-4x^4y^8z^4+2x^6y^8z^4-y^{10}z^4-2x^2y^{10}z^4\\ -x^3y^{10}z^4-x^4y^{10}z^4-2x^5y^{10}z^4+xy^{12}z^4+x^2y^{12}z^4+2x^3y^{12}z^4+x^4y^{12}z^4-x^3y^2z^5\\ -x^4y^2z^5+y^4z^5+xy^4z^5-x^2y^4z^5-3x^3y^4z^5-3x^4y^4z^5-2x^5y^4z^5y^6z^5-3x^2y^6z^5\\ -2x^3y^6z^5-2x^4y^6z^5-x^5y^6z^5+2x^6y^6z^5-2y^8z^5-3xy^8z^5-5x^2y^8z^5-4x^3y^8z^5\\ -x^4y^8z^5+x^5y^8z^5+3x^6y^8z^5+x^7y^8z^5-2y^{10}z^5-xy^{10}z^5-3x^2y^{10}z^5-2x^3y^{10}z^5\\ -x^5y^{10}z^5+x^6y^{10}z^5+x^7y^{10}z^5+xy^{12}z^5+2x^2y^{12}z^5+3x^3y^{12}z^5+2x^4y^{12}z^5\\ +x^5y^{12}z^5+x^2y^{14}z^5+x^3y^{14}z^5+x^4y^{14}z^5+x^5y^{14}z^5-x^3y^2z^6-2x^2y^4z^6-3x^3y^4z^6\\ -2x^4y^4z^6-2x^5y^4z^6-2x^2y^6z^6-2x^3y^6z^6-2x^4y^6z^6-2x^5y^6z^6-3x^2y^8z^6\\ -2xy^8z^6-2x^2y^8z^6-2x^3y^8z^6+x^4y^8z^6+2x^5y^8z^6+2x^6y^8z^6+2x^7y^8z^6-2y^{10}z^6\\ -2xy^{10}z^6-2x^2y^{10}z^6-x^3y^{10}z^6+2x^4y^{10}z^6+2x^5y^{10}z^6+2x^6y^{10}z^6+3x^7y^{10}z^6\\ +2x^2y^{12}z^6+2x^3y^{12}z^6+2x^4y^{12}z^6+2x^5y^{12}z^6+2x^2y^{14}z^6+2x^3y^{14}z^6+3x^4y^{14}z^6\\ +2x^5y^{14}z^6+x^4y^{16}z^6-x^2y^4z^7-x^3y^4z^7-x^4y^4z^7-x^5y^4z^7-x^2y^6z^7-2x^3y^6z^7\\ -3x^4y^6z^7-2x^5y^6z^7-x^6y^6z^7-y^8z^7-xy^8z^7+x^2y^8z^7+2x^4y^8z^7+3x^5y^8z^7\\ +x^6y^8z^7+2x^7y^8z^7-y^{10}z^7-3xy^{10}z^7-x^2y^{10}z^7+x^3y^{10}z^7+4x^4y^{10}z^7+5x^5y^{10}z^7\\ +3x^6y^{10}z^7+2x^7y^{10}z^7-2xy^{12}z^7+x^2y^{12}z^7+2x^3y^{12}z^7+2x^4y^{12}z^7+3x^5y^{12}z^7\\ -x^7y^{12}z^7+2x^2y^{14}z^7+3x^3y^{14}z^7+3x^4y^{14}z^7+x^5y^{14}z^7-x^6y^{14}z^7-x^7y^{14}z^7\\ +x^3y^{16}z^7+x^4y^{16}z^7-x^3y^6z^8-2x^4y^6z^8-x^5y^6z^8-x^6y^6z^8+2x^2y^8z^8+x^3y^8z^8\\ +x^4y^8z^8+2x^5y^8z^8+x^7y^8z^8-2xy^{10}z^8+4x^2y^{10}z^8+5x^3y^{10}z^8+5x^4y^{10}z^8\\ +3x^6y^{10}z^8+x^7y^{10}z^8-2xy^{12}z^8+3x^3y^{12}z^8+2x^4y^{12}z^8+2x^5y^{12}z^8-2x^7y^{12}z^8\\ +x^2y^{14}z^8+2x^3y^{14}z^8+x^4y^{14}z^8-2x^5y^{14}z^8-3x^6y^{14}z^8-2x^7y^{14}z^8+x^3y^{16}z^8\\ +x^4y^{16}z^8-x^5y^{16}z^8-x^6y^{16}z^8-x^4y^6z^9+x^2y^8z^9+x^5y^8z^9+4x^3y^{10}z^9+6x^4y^{10}z^9\\ +3x^5y^{10}z^9+3x^6y^{10}z^9-xy^{12}z^9+4x^3y^{12}z^9+2x^4y^{12}z^9+x^5y^{12}z^9-3x^7y^{12}z^9\\ -y^{14}z^9+x^2y^{14}z^9-x^4y^{14}z^9-4x^5y^{14}z^9-5x^6y^{14}z^9-2x^7y^{14}z^9+xy^{16}z^9+x^3y^{16}z^9\\ -3x^5y^{16}z^9-2x^6y^{16}z^9-x^4y^{18}z^9+2x^3y^{10}z^{10}+3x^4y^{10}z^{10}+x^5y^{10}z^{10}+x^6y^{10}z^{10}\\ +3x^3y^{12}z^{10}+2x^4y^{12}z^{10}-x^7y^{12}z^{10}+x^2y^{14}z^{10}-2x^4y^{14}z^{10}-3x^5y^{14}z^{10}\\ -4x^6y^{14}z^{10}-x^7y^{14}z^{10}-x^3y^{16}z^{10}-x^4y^{16}z^{10}-3x^5y^{16}z^{10}-3x^6y^{16}z^{10}+x^4y^{10}z^{11}\\ +x^3y^{12}z^{11}+x^4y^{12}z^{11}+x^2y^{14}z^{11}-x^4y^{14}z^{11}-x^5y^{14}z^{11}-2x^6y^{14}z^{11}-x^3y^{16}z^{11}\\ -x^4y^{16}z^{11}-2x^5y^{16}z^{11}-2x^6y^{16}z^{11}-x^4y^{14}z^{12}-x^7y^{18}z^{12}\end{array}}{\begin{array}{c}(1-x^2)(1-y^4)(1-z^2)(1-z^3)(1-xy^2)(1-x^3y^2)(1-x^2z)(1-x^2z^2)\\ (1-y^4z)(1-y^4z^2)(1-y^2z^3)(1-y^4z^3)\end{array}}\right|_{r,\bar{s},\bar{t}}.$$

(68)

The negative coefficients in the numerator again mean not all invariants in the denominator are independent. The denominator also suggests there is no other independent invariant from moments of all 3 of 2nd, 3rd and 4th orders, but all independent invariants are either homogeneous or from moments of two orders only.

The number of invariants from moments of 2nd and 5th orders

$$\left.\frac{\begin{array}{c}1+x^2v^4+x^3v^4+x^4v^4+x^5v^4+x^7v^4+xv^6+x^2v^6+x^3v^6+x^4v^6+x^6v^6-x^8v^6\\ +xv^8+x^2v^8+x^3v^8+x^5v^8-x^7v^8+xv^{10}+x^2v^{10}+x^4v^{10}-x^6v^{10}+xv^{12}+x^3v^{12}\\ -x^5v^{12}-x^7v^{12}+x^2v^{14}-x^4v^{14}-x^6v^{14}-x^7v^{14}+xv^{16}-x^3v^{16}-x^5v^{16}-x^6v^{16}\\ -x^7v^{16}+v^{18}-x^2v^{18}-x^4v^{18}-x^5v^{18}-x^6v^{18}-x^7v^{18}-xv^{20}-x^3v^{20}-x^4v^{20}\\ -x^5v^{20}-x^6v^{20}-x^8v^{24}\end{array}}{(1-x^2)(1-v^4)(1-v^8)(1-v^{12})(1-xv^2)(1-x^3v^2)(1-x^5v^2)}\right|_{r,,,\bar{u}}. \tag{69}$$

The numerator can also be expressed by a table (Table 2).

Table 2: The numerator - 2nd and 5th order

| | $x^0$ | $x^1$ | $x^2$ | $x^3$ | $x^4$ | $x^5$ | $x^6$ | $x^7$ | $x^8$ |
|---|---|---|---|---|---|---|---|---|---|
| $v^0$ | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $v^2$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $v^4$ | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 |
| $v^6$ | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | -1 |
| $v^8$ | 0 | 1 | 1 | 1 | 0 | 1 | 0 | -1 | 0 |
| $v^{10}$ | 0 | 1 | 1 | 0 | 1 | 0 | -1 | 0 | 0 |
| $v^{12}$ | 0 | 1 | 0 | 1 | 0 | -1 | 0 | -1 | 0 |
| $v^{14}$ | 0 | 0 | 1 | 0 | -1 | 0 | -1 | -1 | 0 |
| $v^{16}$ | 0 | 1 | 0 | -1 | 0 | -1 | -1 | -1 | 0 |
| $v^{18}$ | 1 | 0 | -1 | 0 | -1 | -1 | -1 | -1 | 0 |
| $v^{20}$ | 0 | -1 | 0 | -1 | -1 | -1 | -1 | 0 | 0 |
| $v^{22}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $v^{24}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -1 |

The number of invariants from moments of 3rd and 5th orders

$$\left.\frac{n_{35}(y,v)}{(1-y^4)(1-v^4)(1-v^8)(1-v^{12})(1-y^3v)(1-y^5v)(1-y^2v^2)(1-yv^3)(1-y^5v^3)}\right|_{,\bar{s},,\bar{u}}. \tag{70}$$

The numerator $n_{35}(y,v)$ can be seen in Table 3.

Table 3: The numerator - 3rd and 5th order

| | $y^0$ | $y^1$ | $y^2$ | $y^3$ | $y^4$ | $y^5$ | $y^6$ | $y^7$ | $y^8$ | $y^9$ | $y^{10}$ | $y^{11}$ | $y^{12}$ | $y^{13}$ | $y^{14}$ | $y^{15}$ | $y^{16}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $v^0$ | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $v^1$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $v^2$ | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $v^3$ | 0 | 0 | 0 | 3 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $v^4$ | 0 | 0 | 1 | 0 | 4 | 0 | 2 | 0 | -1 | 0 | -1 | 0 | -1 | 0 | 0 | 0 | 0 |
| $v^5$ | 0 | 1 | 0 | 3 | 0 | 5 | 0 | 1 | 0 | -2 | 0 | -2 | 0 | 0 | 0 | 0 | 0 |
| $v^6$ | 0 | 0 | 3 | 0 | 4 | 0 | 3 | 0 | -2 | 0 | -4 | 0 | -1 | 0 | 0 | 0 | 0 |
| $v^7$ | 0 | 1 | 0 | 4 | 0 | 3 | 0 | 0 | 0 | -4 | 0 | -3 | 0 | 0 | 0 | -1 | 0 |
| $v^8$ | 0 | 0 | 2 | 0 | 4 | 0 | 2 | 0 | -2 | 0 | -3 | 0 | -2 | 0 | -1 | 0 | 0 |
| $v^9$ | 0 | 2 | 0 | 3 | 0 | 4 | 0 | 0 | 0 | -3 | 0 | -3 | 0 | -3 | 0 | 0 | 0 |
| $v^{10}$ | 0 | 0 | 2 | 0 | 3 | 0 | 1 | 0 | -2 | 0 | -4 | 0 | -3 | 0 | -1 | 0 | 1 |
| $v^{11}$ | 0 | 1 | 0 | 2 | 0 | 2 | 0 | -1 | 0 | -4 | 0 | -5 | 0 | -1 | 0 | 0 | 0 |
| $v^{12}$ | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | -3 | 0 | -5 | 0 | -2 | 0 | 1 | 0 | 0 |
| $v^{13}$ | 0 | 1 | 0 | 1 | 0 | 0 | 0 | -3 | 0 | -5 | 0 | -1 | 0 | 0 | 0 | 1 | 0 |
| $v^{14}$ | 0 | 0 | 0 | 0 | 1 | 0 | -2 | 0 | -4 | 0 | -2 | 0 | 1 | 0 | 0 | 0 | 0 |
| $v^{15}$ | 0 | 1 | 0 | 0 | 0 | -1 | 0 | -5 | 0 | -3 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| $v^{16}$ | 0 | 0 | 1 | 0 | -2 | 0 | -5 | 0 | -3 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 |
| $v^{17}$ | 0 | 0 | 0 | -1 | 0 | -5 | 0 | -4 | 0 | -1 | 0 | 2 | 0 | 2 | 0 | 1 | 0 |
| $v^{18}$ | 1 | 0 | -1 | 0 | -3 | 0 | -4 | 0 | -2 | 0 | 1 | 0 | 3 | 0 | 2 | 0 | 0 |
| $v^{19}$ | 0 | 0 | 0 | -3 | 0 | -3 | 0 | -3 | 0 | 0 | 0 | 4 | 0 | 3 | 0 | 2 | 0 |
| $v^{20}$ | 0 | 0 | -1 | 0 | -2 | 0 | -3 | 0 | -2 | 0 | 2 | 0 | 4 | 0 | 2 | 0 | 0 |
| $v^{21}$ | 0 | -1 | 0 | 0 | 0 | -3 | 0 | -4 | 0 | 0 | 0 | 3 | 0 | 4 | 0 | 1 | 0 |
| $v^{22}$ | 0 | 0 | 0 | 0 | -1 | 0 | -4 | 0 | -2 | 0 | 3 | 0 | 4 | 0 | 3 | 0 | 0 |
| $v^{23}$ | 0 | 0 | 0 | 0 | 0 | -2 | 0 | -2 | 0 | 1 | 0 | 5 | 0 | 3 | 0 | 1 | 0 |
| $v^{24}$ | 0 | 0 | 0 | 0 | -1 | 0 | -1 | 0 | -1 | 0 | 2 | 0 | 4 | 0 | 1 | 0 | 0 |
| $v^{25}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 3 | 0 | 0 | 0 |
| $v^{26}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| $v^{27}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $v^{28}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

The number of invariants from moments of 4th and 5th orders

$$\left.\frac{n_{45}(z,v)}{\begin{array}{c}(1-z^2)(1-z^3)(1-v^4)(1-v^8)(1-v^{12})\\(1-z^3v^2)(1-z^5v^2)(1-zv^4)(1-z^2v^4)(1-z^3v^4)(1-z^5v^4)\end{array}}\right|_{,,\bar{t},\bar{u}}. \tag{71}$$

The numerator $n_{45}(z, v)$ can be seen in Table 4.

We cannot see directly how many irreducible invariants exists from expressions with more complicated numerator. The following algorithm was developed for their retrieval.

1. Two arrays are needed, one contains the number of linearly independent invariants, it can be computed by means of Gauss polynomials. The second array contains counted invariants, it is filled by zeros, only first element equals 1 (the element with all zero indices). The size is theoretically infinite, we choose some size leading to an acceptable computing time in practice, but all structures we want to search must be included in it. The size of both arrays must be the same. The number of dimensions of the arrays equals the number of orders of the moments. The indices equal the number of moments of the corresponding order in one term of the invariant.

2. Find another irreducible invariant from the difference of both arrays. Find the nonzero element with the maximum number of zero indices. If there is more than one such element, choose that with minimum weight. If there is no other nonzero element, than stop.

3. Count powers and products of the new invariant, i.e. copy the array of counted invariants, shift it so the first element is at the newly found invariant and add. Then shift the original copy twice and add, shift three times and add etc. Forget elements outside the chosen size of the array. Stop shifts and additions, when all elements are outside. Compare the sum with the array of linearly independent invariants. If it is greater, then the new invariant is dependent. Substitute the element of the sum with the number of linearly independent invariants in this case.

4. Go to the point 2.

The results of this algorithm up to the 5th order and weight 10 are in Table 5. The results with the highest order 6, 7, 8, 9 and 10 are in Tables 6, 7, 8, 9 and 10, respectively. The structures of the invariants are represented by the numbers of moments of individual orders in one term of the invariant. The numbers and structures of the invariants correspond to the results of the next section.

The only five-tuple of orders is 2,3,4,5,6 with weight (2+3+4+5+6)/2=10, all other five-tuples have higher weight and similarly structures of more orders. Therefore we can search four-tuples only for orders higher than 6. Nevertheless, the invariants with the highest 7th order were searched completely. The results with the highest orders 8, 9 and 10 were computed for four-tuples of orders only because of saving time.

These results are interesting, nevertheless, the possibilities of the Cayley-Sylvester theorem for the computation of the structure of all irreducible invariants are limited. Let us imagine such a situation, we have an array of the numbers of all linearly independent invariants and we subtract the numbers of the products of the found irreducible invariants

Table 4: The numerator - 4th and 5th order

| | $z^0$ | $z^1$ | $z^2$ | $z^3$ | $z^4$ | $z^5$ | $z^6$ | $z^7$ | $z^8$ | $z^9$ | $z^{10}$ | $z^{11}$ | $z^{12}$ | $z^{13}$ | $z^{14}$ | $z^{15}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $v^0$ | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $v^2$ | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $v^4$ | 0 | 1 | 3 | 4 | 6 | 5 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $v^6$ | 0 | 1 | 3 | 8 | 8 | 9 | 7 | 3 | 0 | -2 | -2 | -1 | 0 | 0 | 0 | 0 |
| $v^8$ | 0 | 2 | 4 | 6 | 8 | 7 | 3 | 0 | -5 | -6 | -6 | -4 | -2 | 0 | 0 | 0 |
| $v^{10}$ | 0 | 2 | 5 | 7 | 7 | 6 | 1 | -3 | -8 | -9 | -8 | -5 | -3 | -1 | 0 | 0 |
| $v^{12}$ | 0 | 1 | 2 | 4 | 2 | 0 | -4 | -10 | -13 | -13 | -12 | -7 | -5 | -2 | -2 | -1 |
| $v^{14}$ | 0 | 2 | 3 | 1 | 0 | -4 | -8 | -12 | -15 | -15 | -10 | -6 | -1 | 1 | 2 | 1 |
| $v^{16}$ | 0 | 0 | 0 | -1 | -5 | -7 | -11 | -13 | -13 | -11 | -6 | -1 | 5 | 7 | 8 | 6 |
| $v^{18}$ | 1 | 0 | -1 | -4 | -7 | -11 | -12 | -14 | -11 | -7 | -1 | 4 | 7 | 9 | 9 | 6 |
| $v^{20}$ | 0 | 0 | -1 | -4 | -6 | -9 | -9 | -7 | -4 | 1 | 7 | 11 | 14 | 12 | 11 | 7 |
| $v^{22}$ | 0 | -1 | -2 | -4 | -6 | -8 | -7 | -5 | 1 | 6 | 11 | 13 | 13 | 11 | 7 | 5 |
| $v^{24}$ | 0 | 0 | 0 | 0 | -1 | -2 | -1 | 1 | 6 | 10 | 15 | 15 | 12 | 8 | 4 | 0 |
| $v^{26}$ | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 5 | 7 | 12 | 13 | 13 | 10 | 4 | 0 | -2 |
| $v^{28}$ | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 5 | 8 | 9 | 8 | 3 | -1 | -6 | -7 |
| $v^{30}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 6 | 6 | 5 | 0 | -3 | -7 | -8 |
| $v^{32}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | -3 | -7 | -9 | -8 |
| $v^{34}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -1 | -2 | -4 | -5 | -6 |
| $v^{36}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -1 |
| $v^{38}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | $z^{16}$ | $z^{17}$ | $z^{18}$ | $z^{19}$ |
|---|---|---|---|---|
| $v^0$ | 0 | 0 | 0 | 0 |
| $v^2$ | 0 | 0 | 0 | 0 |
| $v^4$ | 0 | 0 | 0 | 0 |
| $v^6$ | 0 | 0 | 0 | 0 |
| $v^8$ | 0 | 0 | 0 | 0 |
| $v^{10}$ | 0 | 0 | 0 | 0 |
| $v^{12}$ | -1 | 0 | 0 | 0 |
| $v^{14}$ | 0 | 0 | 0 | 0 |
| $v^{16}$ | 4 | 2 | 1 | 0 |
| $v^{18}$ | 4 | 1 | 0 | 0 |
| $v^{20}$ | 4 | 1 | 0 | -1 |
| $v^{22}$ | 1 | 0 | 0 | 0 |
| $v^{24}$ | -1 | -3 | -2 | 0 |
| $v^{26}$ | -4 | -2 | -1 | 0 |
| $v^{28}$ | -7 | -5 | -2 | 0 |
| $v^{30}$ | -6 | -4 | -2 | 0 |
| $v^{32}$ | -8 | -3 | -1 | 0 |
| $v^{34}$ | -4 | -3 | -1 | 0 |
| $v^{36}$ | 0 | 0 | 0 | 0 |
| $v^{38}$ | 0 | 0 | 0 | -1 |

Table 5: The numbers of the irreducible invariants up to the 5th order and up to the weight 10. They are presented in the form $weight : (structure) \times number\ of\ invariants$.

| orders | $w : (s) \times n$ | | | |
|---|---|---|---|---|
| 2 | $2 : (2,0,0,0) \times 1$ | | | |
| 3 | $6 : (0,4,0,0) \times 1$ | | | |
| 2,3 | $4 : (1,2,0,0) \times 1$ | $6 : (3,2,0,0) \times 1$ | $9 : (3,4,0,0) \times 1$ | |
| 4 | $4 : (0,0,2,0) \times 1$ | $6 : (0,0,3,0) \times 1$ | | |
| 2,4 | $4 : (2,0,1,0) \times 1$ | $4 : (2,0,2,0) \times 1$ | $9 : (3,0,3,0) \times 1$ | |
| 3,4 | $8 : (0,4,1,0) \times 1$ | $9 : (0,2,3,0) \times 1$ | $10 : (0,4,2,0) \times 2$ | |
| 2,3,4 | $6 : (1,2,1,0) \times 2$<br>$9 : (1,4,1,0) \times 2$<br>$10 : (2,4,1,0) \times 1$ | $7 : (2,2,1,0) \times 2$<br>$9 : (2,2,2,0) \times 3$<br>$10 : (3,2,2,0) \times 1$ | $8 : (1,2,2,0) \times 3$<br>$9 : (4,2,1,0) \times 1$ | $8 : (3,2,1,0) \times 1$<br>$10 : (1,2,3,0) \times 2$ |
| 5 | $10 : (0,0,0,4) \times 1$ | | | |
| 2,5 | $6 : (1,0,0,2) \times 1$ | $8 : (3,0,0,2) \times 1$ | $10 : (5,0,0,2) \times 1$ | |
| 3,5 | $7 : (0,3,0,1) \times 1$ | $8 : (0,2,0,2) \times 2$ | $9 : (0,1,0,3) \times 1$ | $10 : (0,5,0,1) \times 1$ |
| 2,3,5 | $5 : (1,1,0,1) \times 1$<br>$8 : (4,1,0,1) \times 1$<br>$10 : (2,2,0,2) \times 3$ | $6 : (2,1,0,1) \times 1$<br>$9 : (1,2,0,2) \times 2$<br>$10 : (3,3,0,1) \times 2$ | $7 : (3,1,0,1) \times 1$<br>$9 : (2,3,0,1) \times 2$ | $8 : (1,3,0,1) \times 2$<br>$10 : (1,1,0,3) \times 2$ |
| 2,4,5 | $8 : (1,0,1,2) \times 2$ | $9 : (2,0,1,2) \times 2$ | $10 : (1,0,2,2) \times 4$ | $10 : (3,0,1,2) \times 2$ |
| 3,4,5 | $6 : (0,1,1,1) \times 1$<br>$10 : (0,2,1,2) \times 5$ | $8 : (0,1,2,1) \times 2$ | $9 : (0,3,1,1) \times 3$ | $10 : (0,1,3,1) \times 2$ |
| 2,3,4,5 | $7 : (1,1,1,1) \times 3$<br>$10 : (1,3,1,1) \times 7$ | $8 : (2,1,1,1) \times 4$<br>$10 : (2,1,2,1) \times 6$ | $9 : (1,1,2,1) \times 5$<br>$10 : (4,1,1,1) \times 2$ | $9 : (3,1,1,1) \times 3$ |

Table 6: The numbers of the irreducible invariants with the highest 6th order and the weight up to 10. They are presented in the form $weight : (structure) \times number\ of\ invariants$.

| orders | $w:(s)\times n$ | | |
|---|---|---|---|
| 6 | $6:(0,0,0,0,2)\times 1$ | | |
| 2,6 | $6:(3,0,0,0,1)\times 1$<br>$10:(4,0,0,0,2)\times 1$ | $8:(2,0,0,0,2)\times 1$ | $10:(1,0,0,0,3)\times 1$ |
| 3,6 | $6:(0,2,0,0,1)\times 1$ | $9:(0,4,0,0,1)\times 1$ | |
| 4,6 | $8:(0,0,1,0,2)\times 1$ | $9:(0,0,3,0,1)\times 1$ | $10:(0,0,2,0,2)\times 2$ |
| 5,6 | $8:(0,0,0,2,1)\times 1$ | | |
| 2,3,6 | $7:(1,2,0,0,1)\times 1$<br>$10:(1,2,0,0,2)\times 3$ | $8:(2,2,0,0,1)\times 2$<br>$10:(1,4,0,0,1)\times 2$ | $9:(3,2,0,0,1)\times 1$<br>$10:(4,2,0,0,1)\times 2$ |
| 2,4,6 | $6:(1,0,1,0,1)\times 1$<br>$8:(3,0,1,0,1)\times 1$<br>$9:(4,0,1,0,1)\times 1$<br>$10:(3,0,2,0,1)\times 1$ | $7:(2,0,1,0,1)\times 1$<br>$9:(1,0,1,0,2)\times 1$<br>$10:(1,0,3,0,1)\times 2$ | $8:(1,0,2,0,1)\times 2$<br>$9:(2,0,2,0,1)\times 2$<br>$10:(2,0,1,0,2)\times 2$ |
| 3,4,6 | $8:(0,2,1,0,1)\times 2$ | $10:(0,2,2,0,1)\times 4$ | |
| 2,5,6 | $9:(1,0,0,2,1)\times 1$ | $10:(2,0,0,2,1)\times 3$ | |
| 3,5,6 | $7:(0,1,0,1,1)\times 1$ | $10:(0,1,0,1,2)\times 2$ | $10:(0,3,0,1,1)\times 3$ |
| 4,5,6 | $10:(0,0,1,2,1)\times 3$ | | |
| 2,3,4,6 | $9:(1,2,1,0,1)\times 5$ | $10:(2,2,1,0,1)\times 6$ | |
| 2,3,5,6 | $8:(1,1,0,1,1)\times 3$ | $9:(2,1,0,1,1)\times 4$ | $10:(3,1,0,1,1)\times 4$ |
| 3,4,5,6 | $9:(0,1,1,1,1)\times 4$ | | |
| 2,3,4,5,6 | $10:(1,1,1,1,1)\times 11$ | | |

Table 7: The numbers of the irreducible invariants with the highest 7th order and the weight up to 10. They are presented in the form $weight : (structure) \times number\ of\ invariants$.

| orders | $w : (s) \times n$ | | |
|---|---|---|---|
| 2,7 | $8 : (1,0,0,0,0,2) \times 1$ | $10 : (3,0,0,0,0,2) \times 1$ | |
| 3,7 | $10 : (0,2,0,0,0,2) \times 2$ | | |
| 6,7 | $10 : (0,0,0,0,1,2) \times 1$ | | |
| 2,3,7 | $7 : (2,1,0,0,0,1) \times 1$<br>$9 : (4,1,0,0,0,1) \times 1$ | $8 : (3,1,0,0,0,1) \times 1$<br>$10 : (2,3,0,0,0,1) \times 3$ | $9 : (1,3,0,0,0,1) \times 2$<br>$10 : (5,1,0,0,0,1) \times 1$ |
| 2,4,7 | $10 : (1,0,1,0,0,2) \times 2$ | | |
| 3,4,7 | $7 : (0,1,1,0,0,1) \times 1$ | $9 : (0,1,2,0,0,1) \times 2$ | $10 : (0,3,1,0,0,1) \times 3$ |
| 2,5,7 | $7 : (1,0,0,1,0,1) \times 1$<br>$10 : (4,0,0,1,0,1) \times 1$ | $8 : (2,0,0,1,0,1) \times 1$ | $9 : (3,0,0,1,0,1) \times 1$ |
| 3,5,7 | $9 : (0,2,0,1,0,1) \times 2$ | $10 : (0,1,0,2,0,1) \times 2$ | |
| 4,5,7 | $8 : (0,0,1,1,0,1) \times 1$ | $10 : (0,0,2,1,0,1) \times 2$ | |
| 3,6,7 | $8 : (0,1,0,0,1,1) \times 1$ | | |
| 5,6,7 | $9 : (0,0,0,1,1,1) \times 1$ | | |
| 2,3,4,7 | $8 : (1,1,1,0,0,1) \times 2$<br>$10 : (3,1,1,0,0,1) \times 4$ | $9 : (2,1,1,0,0,1) \times 3$ | $10 : (1,1,2,0,0,1) \times 5$ |
| 2,3,5,7 | $10 : (1,2,0,1,0,1) \times 5$ | | |
| 2,4,5,7 | $9 : (1,0,1,1,0,1) \times 3$ | $10 : (2,0,1,1,0,1) \times 4$ | |
| 2,3,6,7 | $9 : (1,1,0,0,1,1) \times 3$ | $10 : (2,1,0,0,1,1) \times 4$ | |
| 3,4,6,7 | $10 : (0,1,1,0,1,1) \times 4$ | | |
| 2,5,6,7 | $10 : (1,0,0,1,1,1) \times 3$ | | |

Table 8: The numbers of the irreducible invariants with the highest 8th order and the weight up to 10. They are presented in the form $weight : (structure) \times number\ of\ invariants$.

| orders | $w : (s) \times n$ | | |
|---|---|---|---|
| 8 | $8 : (0,0,0,0,0,0,2) \times 1$ | | |
| 2,8 | $8 : (4,0,0,0,0,0,1) \times 1$ | $10 : (2,0,0,0,0,0,2) \times 1$ | |
| 3,8 | $10 : (0,4,0,0,0,0,1) \times 1$ | | |
| 4,8 | $8 : (0,0,2,0,0,0,1) \times 1$ | $10 : (0,1,0,0,0,0,2) \times 1$ | $10 : (0,0,3,0,0,0,1) \times 1$ |
| 6,8 | $10 : (0,0,0,0,2,0,1) \times 1$ | | |
| 2,3,8 | $8 : (1,2,0,0,0,0,1) \times 1$ | $9 : (2,2,0,0,0,0,1) \times 1$ | $10 : (3,2,0,0,0,0,1) \times 2$ |
| 2,4,8 | $8 : (2,0,1,0,0,0,1) \times 1$<br>$10 : (2,0,2,0,0,0,1) \times 2$ | $9 : (1,0,2,0,0,0,1) \times 1$<br>$10 : (4,0,1,0,0,0,1) \times 1$ | $9 : (3,0,1,0,0,0,1) \times 1$ |
| 3,4,8 | $9 : (0,2,1,0,0,0,1) \times 1$ | | |
| 2,5,8 | $10 : (1,0,0,2,0,0,1) \times 2$ | | |
| 3,5,8 | $8 : (0,1,0,1,0,0,1) \times 1$ | | |
| 2,6,8 | $8 : (1,0,0,0,1,0,1) \times 1$ | $9 : (2,0,0,0,1,0,1) \times 1$ | $10 : (3,0,0,0,1,0,1) \times 1$ |
| 3,6,8 | $10 : (0,2,0,0,1,0,1) \times 2$ | | |
| 4,6,8 | $9 : (0,0,1,0,1,0,1) \times 1$ | | |
| 3,7,8 | $9 : (0,1,0,0,0,1,1) \times 1$ | | |
| 5,7,8 | $10 : (0,0,0,1,0,1,1) \times 1$ | | |
| 2,3,4,8 | $10 : (1,2,1,0,0,0,1) \times 4$ | | |
| 2,3,5,8 | $9 : (1,1,0,1,0,0,1) \times 2$ | $10 : (2,1,0,1,0,0,1) \times 3$ | |
| 3,4,5,8 | $10 : (0,1,1,1,0,0,1) \times 3$ | | |
| 2,4,6,8 | $10 : (1,0,1,0,1,0,1) \times 3$ | | |
| 2,3,7,8 | $10 : (1,1,0,0,0,1,1) \times 3$ | | |

Table 9: The numbers of the irreducible invariants with the highest 9th order and the weight up to 10. They are presented in the form $weight$ : $(structure) \times number\ of\ invariants$.

| orders | $w : (s) \times n$ | |
|---|---|---|
| 2,9 | $10 : (1,0,0,0,0,0,0,2) \times 1$ | |
| 3,9 | $9 : (0,3,0,0,0,0,0,1) \times 1$ | |
| 2,3,9 | $9 : (3,1,0,0,0,0,0,1) \times 1$<br>$10 : (4,1,0,0,0,0,0,1) \times 1$ | $10 : (1,3,0,0,0,0,0,1) \times 1$ |
| 3,4,9 | $10 : (0,1,2,0,0,0,0,1) \times 1$ | |
| 2,5,9 | $9 : (2,0,0,1,0,0,0,1) \times 1$ | $10 : (3,0,0,1,0,0,0,1) \times 1$ |
| 3,5,9 | $10 : (0,2,0,1,0,0,0,1) \times 1$ | |
| 4,5,9 | $9 : (0,0,1,1,0,0,0,1) \times 1$ | |
| 3,6,9 | $9 : (0,1,0,0,1,0,0,1) \times 1$ | |
| 5,6,9 | $10 : (0,0,0,1,1,0,0,1) \times 1$ | |
| 2,7,9 | $9 : (1,0,0,0,0,1,0,1) \times 1$ | $10 : (2,0,0,0,0,1,0,1) \times 1$ |
| 4,7,9 | $10 : (0,0,1,0,0,1,0,1) \times 1$ | |
| 3,8,9 | $10 : (0,1,0,0,0,0,1,1) \times 1$ | |
| 2,3,4,9 | $9 : (1,1,1,0,0,0,0,1) \times 1$ | $10 : (2,1,1,0,0,0,0,1) \times 2$ |
| 2,4,5,9 | $10 : (1,0,1,1,0,0,0,1) \times 2$ | |
| 2,3,6,9 | $10 : (1,1,0,0,1,0,0,1) \times 2$ | |

Table 10: The numbers of the irreducible invariants with the highest 10th order and the weight up to 10. They are presented in the form $weight$ : $(structure) \times number\ of\ invariants$.

| orders | $w : (s) \times n$ | |
|---|---|---|
| 10 | $10 : (0,0,0,0,0,0,0,0,0,2) \times 1$ | |
| 2,10 | $10 : (5,0,0,0,0,0,0,0,0,1) \times 1$ | |
| 5,10 | $10 : (0,0,0,2,0,0,0,0,0,1) \times 1$ | |
| 2,3,10 | $10 : (2,2,0,0,0,0,0,0,0,1) \times 1$ | |
| 2,4,10 | $10 : (3,0,1,0,0,0,0,0,0,1) \times 1$ | $10 : (1,0,2,0,0,0,0,0,0,1) \times 1$ |
| 3,4,10 | $10 : (0,2,1,0,0,0,0,0,0,1) \times 1$ | |
| 2,6,10 | $10 : (2,0,0,0,1,0,0,0,0,1) \times 1$ | |
| 4,6,10 | $10 : (0,0,1,0,1,0,0,0,0,1) \times 1$ | |
| 3,7,10 | $10 : (0,1,0,0,0,1,0,0,1) \times 1$ | |
| 2,8,10 | $10 : (1,0,0,0,0,0,1,0,1) \times 1$ | |
| 2,3,5,10 | $10 : (1,1,0,1,0,0,0,0,1) \times 1$ | |

from it. Let us suppose we have zero at a moment at some place. It can mean that there is no other invariant with this structure, but it can also mean there is a dependency between invariants and another irreducible invariant and we cannot decide, what possibility from these two has occurred. The dependency with the least weight has weight 12, it is the third in our tables and really, while Reiss [20] found 65 irreducible invariants up to the 4th order by means of the Cayley-Sylvester theorem, the actual number of them is 66, the extra invariant has the same structure as the dependency. It means we must compute all invariants up to some limit to find all irreducible ones between them and using the Cayley-Sylvester theorem for the computation of the structure of all irreducible invariants is unreliable for weights $\geq$12. On the other hand, we have weight limit 10 in these tables, so we can verify the numbers of the invariants by means of the Cayley-Sylvester theorem and it really agrees.

# 4 The Graph Method

We generate the invariants by a way that we call the graph method. Let us consider an image $f$ and two arbitrary points $(x_1, y_1)$, $(x_2, y_2)$ from its support. Let us denote the "cross-product" of these points as $C_{12}$:

$$C_{12} = x_1 y_2 - x_2 y_1.$$

After an affine transform it holds $C'_{12} = J \cdot C_{12}$, it means $C_{12}$ is a relative affine invariant. It has also geometric meaning as the area of the parallelogram, whose one vertex is the origin of the coordinate system (centroid of the image $f$) and two other vertices are points $(x_1, y_1)$ and $(x_2, y_2)$. The basic idea of the AMI's generating is the following. We consider various numbers of points and we integrate their cross-products (or some powers of their cross-products) on the support of $f$. These integrals can be expressed in terms of moments and, after eliminating the Jacobian by proper normalization, they yield affine invariants.

More precisely, having N points ($N \geq 2$) we define functional $I$ depending on $N$ and on non-negative integers $n_{kj}$ as

$$I(f) = \int_{-\infty}^{\infty} \prod_{k,j=1}^{N} C_{kj}^{n_{kj}} \cdot \prod_{i=1}^{N} f(x_i, y_i) dx_i dy_i. \tag{72}$$

Note that it is meaningful to consider only $j > k$, because $C_{kj} = -C_{jk}$ and $C_{kk} = 0$. After an affine transform, $I$ becomes

$$I' = J^w |J|^N \cdot I,$$

where $w = \sum_{k,j} n_{kj}$ is the weight of the invariant and $N$ is the degree of the invariant.

If $I$ is normalized by $\mu_{00}^{w+N}$ we get a desirable affine invariant

$$\left( \frac{I}{\mu_{00}^{w+N}} \right)' = \left( \frac{I}{\mu_{00}^{w+N}} \right)$$

(if $w$ is odd and $J < 0$ there is an additional factor $-1$).

We illustrate this idea on two simple invariants. First, let $N = 2$ and $n_{12} = 2$. Then

$$I(f) = \int_{-\infty}^{\infty} (x_1 y_2 - x_2 y_1)^2 f(x_1, y_1) f(x_2, y_2) dx_1 dy_1 dx_2 dy_2 = 2(m_{20} m_{02} - m_{11}^2). \qquad (73)$$

Similarly, for $N = 3$ and $n_{12} = 2, n_{13} = 2, n_{23} = 0$ we get

$$\begin{aligned} I(f) &= \int_{-\infty}^{\infty} (x_1 y_2 - x_2 y_1)^2 (x_1 y_3 - x_3 y_1)^2 f(x_1, y_1) f(x_2, y_2) f(x_3, y_3) dx_1 dy_1 dx_2 dy_2 dx_3 dy_3 \\ &= m_{20}^2 m_{04} - 4 m_{20} m_{11} m_{13} + 2 m_{20} m_{02} m_{22} + 4 m_{11}^2 m_{22} \\ &\quad -4 m_{11} m_{02} m_{31} + m_{02}^2 m_{40}. \end{aligned} \qquad (74)$$

Each invariant generated by formula (72) can be represented by a planar connected graph, where each point $(x_k, y_k)$ corresponds to one node and each cross-product $C_{kj}$ corresponds to one edge of the graph. If $n_{kj} > 1$, the respective term $C_{kj}^{n_{kj}}$ corresponds to $n_{kj}$ edges connecting $k$-th and $j$-th nodes. Thus, the number of nodes equals the degree of the invariant and the total number of the graph edges equals the weight $w$ of the invariant. From the graph one can also learn about the orders of the moments the invariant is composed from and about its structure. The number of edges originating from each node equals the order of the moments involved, the number of nodes equals the order of the invariant.

Particularly, for the invariants (73), (74) given above the corresponding graphs are shown in Fig. 1 and the list of edges for (73) is

$$\begin{matrix} 1 & 1 \\ 2 & 2 \end{matrix} \qquad (75)$$

and for (74) it is

$$\begin{matrix} 1 & 1 & 1 & 1 \\ 2 & 2 & 3 & 3. \end{matrix} \qquad (76)$$

Now one can see that the problem of derivation of the AMI's up to the given weight $w$ is equivalent to generating all connected graphs with at least two nodes and at most $w$ edges. Let us denote this set of graphs as $G_w$.

All graphs with 10 edges or less were generated and corresponding invariants were computed. More precisely, if we need to generate all invariants of some weight $w$, it is satisfactory to generate all graphs from

$$\begin{matrix} 1 & 1 & 1 & ... & 1 & 1 & 1 \\ 2 & 2 & 2 & ... & 2 & 2 & 2 \end{matrix} \qquad (77)$$

to

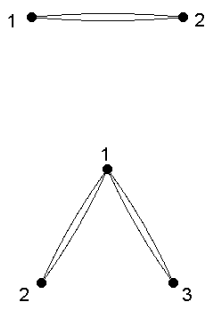


Figure 1: The graphs corresponding to the invariants (73) (top) and (74) (bottom)

$$\begin{array}{cccccccc} 1 & 1 & 3 & 4 & ... & w-2 & w-1 & w-1 \\ 2 & 3 & 4 & 5 & ... & w-1 & w & w, \end{array} \tag{78}$$

where $w$ is the number of edges. E.g. if $w = 10$, then it is from

$$\begin{array}{cccccccccc} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\ 2 & 2 & 2 & 2 & 2 & 2 & 2 & 2 & 2 & 2 \end{array} \tag{79}$$

to

$$\begin{array}{cccccccccc} 1 & 1 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 9 \\ 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 & 10. \end{array} \tag{80}$$

The following algorithm was used to create the next graph:

1. Find the first element from the end of the second row, which can be increased.
2. If it exists, then increase it by one to $v_1$. Fill the rest of the row by the greater of two values: $v_1$ and $a + 1$, where $a$ is the value in the first row above the filled one.
3. If it does not exist, then find the first element from the end of the first row, which can be increased.
4. If it exists, then increase it by one to $v_2$. Fill the rest of the row by $v_2$.
5. If it does not exist, then stop.

This algorithm does not guarantee no isomorfic graphs are generated, but their number is not too high. The isomorfic graphs lead to identical invariants and they are eliminated later. In fact, the graphs form (77) and (78) are not ever non-zero, but they guarantee that no relevant graph will be omitted. Actually, the first graph generating a non-zero invariant in case of even $w$ is (77) and the last one is

$$\begin{array}{cccccccccc} 1 & 1 & 3 & 3 & ... & w-3 & w-3 & w-1 & w-1 \\ 2 & 2 & 4 & 4 & ... & w-2 & w-2 & w & w \end{array} \tag{81}$$

and in case of odd $w$ is the first graph generating a non-zero invariant

$$\begin{array}{ccccccc} 1 & 1 & 1 & ... & 1 & 1 & 1 \\ 2 & 2 & 2 & ... & 2 & 3 & 3 \end{array} \tag{82}$$

and the last one

$$\begin{array}{ccccccccc} 1 & 1 & 3 & 3 & ... & w-4 & w-4 & w-3 & w-3 & w-3 \\ 2 & 2 & 4 & 4 & ... & w-3 & w-3 & w-2 & w-2 & w-2, \end{array} \tag{83}$$

but if we use it as the limit, some graphs would be omitted.

Unfortunately, most resulting graphs are useless because they generate invariants, which are dependent. Including dependent invariants into the feature set which we want to use for object description and recognition would be a serious mistake. Dependent features do not increase the discrimination power of the system at all and may even lead to misclassifications.

There might be various kinds of dependencies in the set of all AMI's (i.e. in the set $G_w$ of all graphs). Let us categorize them into several groups.

1. *Identical invariants.* Isomorphic graphs (and rarely some non-isomorphic graphs) generate identical invariants. Elimination is done by comparing the invariants term-wise.

2. *Zero invariants.* Some AMI's might equal identically zero regardless of the image they are calculated from. If there are one or more nodes with one adjacent edge only, then all terms of the invariants contain first-order moment(s). When using central moments, all first-order moments are zero by definition and, consequently, such invariants are zero too and must be eliminated. However, also some other graphs may generate zero invariants and should be eliminated, for instance the graph in Fig. 2 leads to

$$\begin{aligned} I(f) &= \int_{-\infty}^{\infty} (x_1 y_2 - x_2 y_1)^3 f(x_1, y_1) f(x_2, y_2) dx_1 dy_1 dx_2 dy_2 = \\ &= m_{30} m_{03} - 3 m_{21} m_{21} + 3 m_{21} m_{21} - m_{30} m_{03} = 0. \end{aligned}$$

3. *Products.* Some invariants might be equal to products of other invariants. Elimination of these is done by incremental exhaustive search. All possible pairs, triples, quadruples, etc. of the admissible invariants (the sum of their individual weights must not exceed $w$) are multiplied and the independence of the result is checked.

4. *Linear combinations.* Some invariants might be equal to linear combinations of other invariants or to linear combinations of products of other invariants. All possible


Figure 2: The graph leading to the zero invariant

combinations of the admissible invariants (all terms must have the same numbers of moments of the same order and the sum of the individual weights must not exceed $w$) are calculated and their independence is checked.

After eliminating all the above dependencies, we get a set of irreducible invariants. However, there may be higher-order polynomial dependencies among irreducible invariants but they are very time-consuming to identify, especially for high $w$.

The method of the elimination of the linearly dependent invariants in detail:

1. The input is the list of the generated invariants. The zero and identical invariants are eliminated and products are marked.

2. All invariants with the same structure (the numbers of moments of the same order in one term) are found. The linear combination of such invariants can be computed.

3. The matrix of all coefficients is constructed. It has coefficients of one invariant in one column. The coefficient corresponding the term, which is not included in the invariant, is zero. There are the coefficients of one term in different invariants in one row of the matrix. The rank of the matrix of coefficients equals the number of the linearly independent invariants of the current structure.

4. The invariants of the current structure are divided into two groups: the products and the others. Now, one invariant, which is not the product, is removed from the matrix and its rank is checked. If it decreased, then the invariant is returned to the matrix, else another invariant is removed. If no other non-product invariant can be removed, then the products are removed. The removing finishes, when the matrix is regular, i.e. the number of columns equals its rank.

5. If there are some invariants, which were not removed and are not products, then they are the irreducible ones. All other invariants are eliminated from the set.

Generating of all graphs by this method is a combinatorial task with exponential complexity, but for the weight 10 it has still acceptable computing time. It was applied for each $w$ from 2 to 10. The corresponding invariant was computed for each graph. The minimum absolute value of the coefficients was found and the coefficients were divided by

it. There were 1519 invariants generated after the elimination of the zero and identical ones. First, the invariants were multiplied and invariants identical with some product were eliminated. Then the invariants linearly dependent on other invariants were eliminated. The rest of 362 irreducible invariants are published in the appendix.

The invariants are sorted by the highest order of moments. Another criterion is the number of orders of moments (less first), then the second highest order, the third one etc. If all orders are the same, then the invariants are sorted by their weights. The invariants with the same orders of moments and the same weights are not sorted. The labelling numbers are only temporary (from $I_{11}$), because the invariants with higher weights can be inserted. If some different (i.e. non-isomorfic) graphs generate identical invariants, only one of them is published in this case.

# 5 Dependencies

Now we have 362 irreducible invariants, we can calculate that only 60 of them at maximum can be independent by the rule of thumb and we would like to select them. There is a few ways, how to do it. One approach is using the Cayley-Sylvester theorem for tipping invariants that may be independent, but it is both complicated and unreliable for higher orders, see Section 3. Another approach can be computing dependencies among the invariants and then eliminating the dependent invariants. The basic idea of looking for dependencies is following: if we find an invariant that is both product and linearly dependent, then we can write an equation: the product equals the linear dependency. Then we can substitute reducible invariants by irreducible. We are running up against two problems, the dependencies can be dependent by similar way how the invariants themselves and weight limit. The dependencies can be zero, identical, products and linearly dependent, they can be eliminated, and also polynomially dependent and these dependencies would have to be searched again. Hilbert [19] calls dependencies among dependencies *second-order dependencies*. The number $n$ of independent invariants is then

$$n = n_0 - n_1 + n_2 - n_3 + \cdots \ , \tag{84}$$

where $n_0$ is the number of irreducible invariants, $n_1$ is the number of first-order dependencies, $n_2$ is the number of second-order dependencies, etc. and Hilbert proves that this chain is always finite, when the order of the invariants is finite. Another terminological remark: in [19], the dependency among invariants is called *syzygy*. After hesitation, we decided to use general term *dependency* in this work for better understandability for non-experts in invariants.

Another problem is weight limit. A weight of a product of two invariants is the sum of their weights, so if we have some limit to the weights of the invariants, we would need to compute the products up to a multiple of it and we do not know this limit in advance. We computed the products up to the limit the computer enabled. Finally, we have computed

products until weight 15. The computing time exceeded 9 days and the original number 1519 invariants had to be appended by 17151 products. This computation was more time- and memory-consuming than that of generation of original invariants. In spite of this, many important dependencies did not fit to the limit and remained hidden.

The algorithm was similar to that for elimination of reducible invariants from previous section with small modifications. The limit of the weight of the product was changed (from 10 to 15) and a list of invariants, which are simultaneously products and linearly dependent, was created before their elimination. The found dependencies must be farther processed. If some factor is also product, it must be substituted by its factors, if it is linearly dependent, it must be substituted by this dependency so we obtain dependency among irreducible invariants only. By this way, we obtain relatively complicated tree data structure, which must be simplified. It is done by the special recursive algorithm. The tree is searched from its root. If some product of sums is found, then the multiplication is executed so one sum of products is obtained. If some factor is not mere invariant, but still subtree, the same procedure is called recursively on it. The factors of the original product are moved to the other side of the equation and identical terms are added so we obtain the dependency in form of sum of products of irreducible invariants.

It often happens that no term remains after last addition and we obtain "dependency" in form 0=0. Some dependencies are identical and some differ only in multiplicative constant. All these dependencies are eliminated and only one is preserved from the set of identical dependencies. We obtained 122 dependencies after this elimination in our case.

To remove non-integer coefficients, the special procedure was proposed. The tolerance was set to 0.001. Its inverse value is 1000. The coefficients of the dependencies are divided by all integers from 1 to this limit 1000 and the divider with minimum deviation is used as denominator. So, all coefficients of the dependency are converted to fractions. Then, least common multiple from all denominators is found and the dependency is multiplied by it. Integer coefficients are the result.

The algorithm for elimination of the dependent dependencies is similar to that for elimination of linearly dependent invariants. All products of dependencies and invariants with weight limit 22 are computed (the limit 22 is the least, when all reducible dependencies are eliminated). Then the dependencies and products originated from products with the same structure of orders of moments are found. The matrix of their coefficients is created. The coefficients of one dependency are in one column and the coefficients of identical terms are in one row. The columns are removed until their number equals the rank of the matrix. If the rank decreased, the removed column must be returned back. The dependencies with the biggest number of terms are removed first. Some dependencies are expressed in form invariant multiplied by another dependency. These dependencies are removed last from the matrix, but they are eliminated from the set after this computation.

As the result, we have found second-order dependencies. We decided not to compute higher-order dependencies, but to eliminate one first-order dependency for each second-

order dependency by a special heuristic algorithm: we find the first-order dependency with maximum weight in each second-order dependency. If there is more such dependencies, we find that with maximum number of terms. This dependency is eliminated and also each multiple that contains it is eliminated from following search. 54 dependencies remained after this algorithm, 12 of them of 4th order, 36 of the 5th order and 6 of the 6th order.

To append this number of dependencies, other computations with limited order of moments were carried out to decrease the number of products. When the limit of the order was 3 and the limit of the weight was 18, one new dependency was found. When the limit of the order was 4 and the limit of the weight was 16, 194 new dependencies were found after elimination of the identical ones. Another dependency was obtained, when the selection conditions were defined as to use invariants of 2nd and 4th orders only and the limit of the weight was 18. From these 196 dependencies 31 ones remained after elimination of the dependent ones. It would be 85 dependencies together, but if 12 overlaying dependencies of 4th order are omitted, the result is 73 dependencies.

Now, the algorithm for elimination of the dependent dependencies in detail:

1. Compute the product of each pair invariant $\times$ dependency and dependency $\times$ dependency satisfying some conditions, e.g. the sum of weights is less than or equal to some limit, in our case 22.

2. All dependencies with the same structure (the sum of the structures of the invariants in one term) are found. The linear combination of such dependencies can be computed. The structures with minimum weight are processed first.

3. The matrix of all coefficients is constructed. It has coefficients of one dependency in one column. The coefficient corresponding the term, which is not included in the dependency, is zero. There are the coefficients of one term in different dependencies in one row of the matrix. The rank of the matrix of coefficients equals the number of the linearly independent dependencies of the current structure.

4. The dependencies of the current structure are divided into two groups: the products invariant $\times$ dependency and the others. The dependencies are also sorted by the number of terms. Now, the dependency, which is not the product, with the maximum number of terms is removed from the matrix and its rank is checked. If it decreased, then the dependency is returned to the matrix, else another dependency is removed. If no other non-product dependency can be removed, then the products are removed, that with the maximum number of terms first. The removing finishes, when the matrix is regular, i.e. the number of columns equals its rank.

5. If there are some dependencies, which were not removed and are not products, then they are linearly independent. All other dependencies are eliminated from the set.

6. If the removed dependencies are used as right side of the system of linear equations, solving it we can obtain coefficients of the second order dependencies.

7. The second order dependencies, whose each term contains the same dependency or invariant, are expunged. They were processed before.

8. In each second order dependency, the first order dependency with maximum weight is found. If there is more such dependencies, we find that with maximum number of terms. This dependency is eliminated and also each multiple that contains it is eliminated from the following search.

9. The search is stopped, when all multiples are processed.

During multiplication of the dependencies in this algorithm we work with labels of the invariants only, not with original coefficients and moments.

Now we have subtracted the second-order dependencies from the first-order ones and still too much dependencies remained. More precisely, we have 31 dependencies of the 3rd and 4th orders for 32 invariants with 9 of them independent. Thereto the invariant $I_{14}$ does not occur in the dependencies, therefore only 22 dependencies are useful. We decided not to compute higher-order dependencies, but to eliminate the redundant dependencies by the following heuristic algorithm in which each invariant supposed to be dependent chooses its dependency. The dependencies were sorted by the highest order, by the number of orders, by the weight and by the number of terms. Then each invariant gets assigned the first dependency, which it is included in. When all such dependencies are occupied, some invariant gets assigned a substitutional dependency. The dependencies without any assignation are then omitted.

The remainder 64 dependencies are published in the appendix only for the sake of interest. In detail, there is 1 dependency of the 3rd order, 21 dependencies of the 4th order, 36 dependencies of the 5th order and 6 dependencies of the 6th order. The set is incomplete and cannot be used for selection of the independent invariants even the 4th order.

# 6 Selection of Independent Invariants

There is another approach to the selection of independent invariants. We can select some of them and verify their independency by comparison with the normalized moments. Firstly, we should choose irreducible invariants only and respect the rule of thumb not only for the whole number of chosen invariants, but also for each subset. Let us suppose we have no restriction on the order of the invariants. For instance, we have 10 moments up to the 3rd order, i.e. 10-6=4 independent invariants. We begin with $I_1$, $I_2$, $I_3$ and $I_4$. Now we would like to insert invariants of 4th order. There is 5 moments of 4th order plus 3 ones of zero and first orders, i.e. 8-6=2 homogenous invariants of of 4th order at

maximum ($I_6$ and $I_7$). If we take simultaneous invariants of the 4th and 2nd orders, there are 11 moments, i.e. 11-6=5 invariants. The invariants used must be subtracted from this number, if we use $I_1$, $I_6$ and $I_7$, then 2 new invariants remain ($I_8$ and $I_9$). $I_{10}$ must necessarily be dependent and we need at least one simultaneous invariant of orders 3 and 4 or 2, 3 and 4.

Generally, If we have invariants up to the order $r-1$ and need to insert invariants of the order $r$, we need to insert $r+1$ invariants. The $r$ of them should be homogenous or simultaneous of orders $r$ and 2, with maximally $r-2$ of them homogenous and one simultaneous of order $r$ and some order higher than 2. We choose the invariants with minimum weight. In Table 11, there are the maximum numbers of the independent invariants that can be constructed from moments of specific orders. There are the whole numbers there, e.g. the value 9 from orders 2,3,4 means the whole number of the invariants including homogeneous ones, simultaneous invariants from two orders and simultaneous ones from three orders.

Table 11: The maximum numbers of the independent invariants up to the 5th order by the rule of thumb.

| orders | 2 | 3 | 2,3 | 4 | 2,4 | 3,4 | 2,3,4 | 5 | 2,5 | 3,5 | 2,3,5 | 2,4,5 | 3,4,5 | 2,3,4,5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| numbers | 1 | 1 | 4 | 2 | 5 | 6 | 9 | 3 | 6 | 7 | 10 | 11 | 12 | 15 |

The proof of independency and completeness of the chosen set is difficult and needs another mathematical tools than the previous sections. Its main idea: if we have another complete and independent set of affine invariants and we can compute unambiguously values of our invariants from them and them from our invariants, then our set is complete and independent too. This alternative set can be set of normalized moments. We can normalize geometric moments, but we obtain simpler equations, when we use complex moments. The complex moment $c_{pq}$ of order $(p+q)$ is defined as

$$c_{pq} = \int_{-\infty}^{\infty}\int_{-\infty}^{\infty}(x+iy)^p(x-iy)^q f(x,y)dxdy \ , \tag{85}$$

where $i$ denotes imaginary unit. Each complex moment can be expressed in terms of geometric moments $m_{pq}$ as

$$c_{pq} = \sum_{k=0}^{p}\sum_{j=0}^{q}\binom{p}{k}\binom{q}{j}(-1)^{q-j}\cdot i^{p+q-k-j}\cdot m_{k+j,p+q-k-j} \ . \tag{86}$$

If we use central moments $\mu_{pq}$ instead of the $m_{pq}$ in (86), we obtain complex moments normalized to translation.

To express geometric moments in terms of complex moments, we can substitute new variables for $(x+iy)$ and $(x-iy)$ into (85) and the definition of the geometric moments

and, consequently, derive an inverse form of (86):

$$m_{pq} = \frac{1}{2^{p+q} i^q} \sum_{k=0}^{p} \sum_{j=0}^{q} \binom{p}{k} \binom{q}{j} (-1)^{q-j} \cdot c_{k+j,p+q-k-j} \ . \tag{87}$$

In polar coordinates, (85) becomes the form

$$c_{pq} = \int_0^{\infty} \int_0^{2\pi} r^{p+q+1} e^{i(p-q)\theta} f(r,\theta) dr d\theta. \tag{88}$$

It follows immediately from (88) that $c_{pq} = c_{qp}^*$ (the asterisk denotes complex conjugate). After the rotation by an angle $\gamma$ the complex moment becomes

$$c'_{pq} = e^{-i(p-q)\gamma} \cdot c_{pq} \ . \tag{89}$$

If we use suitable products of the complex moments, we obtain rotation invariants. The product

$$\Phi = \prod_{i=1}^{n} c_{p_i q_i}^{k_i} \tag{90}$$

is invariant to rotation, if

$$\sum_{i=1}^{n} k_i (p_i - q_i) = 0,$$

where $n \geq 1$, $k_i, p_i$, and $q_i$ $(i = 1, \cdots, n)$ are non-negative integers. Some other details about rotation moment invariants can be found in [23].

The affine transform is decomposed by another way than in Section 2 during the normalization of the moments: into two translations, scaling, rotation, stretching and second rotation; the stretching must be between two rotations.

Horizontal translation:

$$\begin{aligned} u &= x + \alpha \\ v &= y. \end{aligned} \tag{91}$$

Vertical translation:

$$\begin{aligned} u &= x \\ v &= y + \beta. \end{aligned} \tag{92}$$

Scaling

$$\begin{aligned} u &= \omega x \\ v &= \omega y. \end{aligned} \tag{93}$$

First rotation

$$\begin{aligned} u &= x \cos\gamma - y \sin\gamma \\ v &= x \sin\gamma + y \cos\gamma. \end{aligned} \tag{94}$$

Stretching:

$$\begin{aligned} u &= \delta x \\ v &= \tfrac{1}{\delta} y. \end{aligned} \tag{95}$$

Second rotation:

$$\begin{aligned} u &= x \cos\rho - y \sin\rho \\ v &= x \sin\rho + y \cos\rho. \end{aligned} \tag{96}$$

The moments are successively normalized to these elementary transforms. The normalization to the translation is done by translation the origin of the coordinate system to the centroid of the image (using central moments in (86)). The normalization to the scaling is similar to that of AMI's, we use ratios

$$c_{pq}/c_{00}^{\frac{p+q+2}{2}}. \tag{97}$$

The complex moment $c_{20}$ can be used for normalization to the first rotation. The straight line passing through the centroid on the angle equaling a half of the phase of $c_{20}$ is called principle axis. If an image is rotated by angle $\gamma$ so the principal axis agrees with the axis $x$, then the $c_{20}$ is real and positive. It holds

$$\begin{array}{rcl} \sin\ \gamma & = & s\sqrt{\frac{1}{2}(1-\frac{c_{20}+c_{02}}{2\sqrt{c_{20}c_{02}}})}, \quad s=\mathrm{sign}(\frac{c_{20}-c_{02}}{i}) \\ \cos\ \gamma & = & \sqrt{\frac{1}{2}(1+\frac{c_{20}+c_{02}}{2\sqrt{c_{20}c_{02}}})} \end{array} \tag{98}$$

for the angle $\gamma$. Maybe, better known formula is

$$\tan\ 2\gamma = \frac{2\mu_{11}}{\mu_{20}-\mu_{02}} = \frac{\Im(c_{20})}{\Re(c_{20})} = \frac{c_{20}-c_{02}}{i(c_{20}+c_{02})}\ , \tag{99}$$

where $\Re(c_{20})$ and $\Im(c_{20})$ are real and imaginary parts of the $c_{20}$.

We can normalize the image to the stretching by scaling by the coefficient $\delta$

$$\delta = \sqrt[4]{\frac{c_{11}-\sqrt{c_{20}c_{02}}}{c_{11}+\sqrt{c_{20}c_{02}}}} \tag{100}$$

horizontally and by the coefficient $1/\delta$ vertically. Now, the image is normalized to the affine transform up to the second rotation. During this normalization, the $c_{10}$, $c_{01}$, $c_{20}$ as well as $c_{02}$ become zero, the $c_{00}$ becomes one and rotation invariants $\Phi$ from (90) become affine invariants. We can either continue with the normalization to the second rotation by the $c_{21}$ or to use $\Phi$. It emerged that the latter possibility leads to simpler equations, because we can choose the most appropriate set of $\Phi$'s.

There is a question why to use affine moment invariants $I$ computed from geometric moments and not these normalized rotational invariants $\Phi$. One reason could be better numerical behavior in some situations, another one easier computation; if we unite all expressions for normalization to one formula, it is more complicated than that for AMI's.

We can compute values of the affine moment invariants directly from the complex moments by means of the following theorem.

**Theorem 2:** Let us denote the value of the invariant computed from the geometric moments $I(\mu_{pq})$ and $I(c_{pq})$ the value obtained by substitution the complex moments $c_{pq}$ instead of $\mu_{pq}$. Then there is relation between them

$$(-2i)^w I(\mu_{pq}) = I(c_{pq})\ , \tag{101}$$

where $w$ is the weight of the invariant.

**Proof:** We use a special affine transform

$$\begin{aligned} x' &= x + iy \\ y' &= x - iy. \end{aligned} \tag{102}$$

Its Jacobian $J = -2i$. According to (85) the value of the moment after the transform

$$\mu'_{pq} = \int_{-\infty}^{\infty}\int_{-\infty}^{\infty}(x+iy)^p(x-iy)^q|J|f(x,y)dxdy = |J|c_{pq} \tag{103}$$

(the coordinates of the centroid remains unchanged). From Theorem 1 we have for the values of the invariants without normalization by $\mu_{00}$

$$I(\mu'_{pq}) = J^w|J|^k I(\mu_{pq}) \tag{104}$$

and from (103)we have

$$I(\mu'_{pq}) = |J|^k I(c_{pq}) \tag{105}$$

Since $c_{00} = \mu_{00}$, it imply directly (101). □

From now $c_{pq}$ will denote the complex moments after the former normalization, for simplicity, they will not have any special notation. The former normalization is a special case of an affine transform, so we can compute affine moment invariants by Theorem 2 with constraints $c_{20} = c_{02} = 0$ and $c_{00} = 1$

$$\begin{aligned} (-2i)^2 I_1 &= -c_{11}^2 \\ (-2i)^6 I_2 &= -c_{30}^2 c_{03}^2 + 6c_{30}c_{21}c_{12}c_{03} - 4c_{30}c_{12}^3 - 4c_{21}^3 c_{03} + 3c_{21}^2 c_{12}^2 \\ (-2i)^4 I_3 &= -c_{11}c_{30}c_{03} + c_{11}c_{21}c_{12} \\ (-2i)^6 I_4 &= 2c_{11}^3 c_{30}c_{03} + 6c_{11}^3 c_{21}c_{12}. \end{aligned} \tag{106}$$

Solving these equations we obtain

$$\begin{aligned} c_{11} &= 2\sqrt{I_1} \\ c_{21}c_{12} &= \tfrac{1}{\sqrt{I_1}}(2I_3 - \tfrac{I_4}{I_1}) \\ c_{30}c_{03} &= -\tfrac{1}{\sqrt{I_1}}(6I_3 + \tfrac{I_4}{I_1}) \\ \Re(c_{30}c_{12}^3) &= 8I_2 - 12\tfrac{I_3^2}{I_1} + \tfrac{I_4^2}{I_1^3}. \end{aligned} \tag{107}$$

The set $c_{11}$, $c_{21}c_{12}$, $c_{30}c_{03}$ and $\Re(c_{30}c_{12}^3)$ is used as the other set of invariants. This system of rotation invariants is independent and complete except the sign of $\Im(c_{30}c_{12}^3)$. It relates with fact that the set $I_1, I_2, I_3, I_4$ cannot distinguish two objects differing by mirror reflection. The general affine transform include the mirror reflection, therefore the set $I_1, I_2, I_3, I_4$ is complete from this point of view, obversely, we should use absolute values of the invariants with odd weights. If we insert $I_5$ there, we can compute

$$\Im(c_{30}c_{12}^3) = \frac{4I_5}{(\sqrt{I_1})^3}, \tag{108}$$

but we can compute absolute value of $\Im(c_{30}c_{12}^3)$ also as

$$|\Im(c_{30}c_{12}^3)| = \sqrt{c_{30}c_{03}(c_{21}c_{12})^3 - \Re^2(c_{30}c_{12}^3)}\ , \tag{109}$$

therefore the set $I_1, I_2, I_3, I_4, I_5$ is complete, but dependent.

Now, we need to insert invariants of the 4th order. The invariants $I_6, I_7, I_8$ and $I_9$ are clear, but then we cannot add $I_{10}$, but one of $I_{11}$ to $I_{32}$. We obtain the simplest solution for $I_{22}$:

$$\begin{aligned}
(-2i)^4 I_6 &= c_{40}c_{04} - 4c_{31}c_{13} + 3c_{22}^2 \\
(-2i)^6 I_7 &= c_{40}c_{22}c_{04} - c_{40}c_{13}^2 - c_{31}^2 c_{04} + 2c_{31}c_{22}c_{13} - c_{22}^3 \\
(-2i)^4 I_8 &= 4c_{11}^2 c_{22} \\
(-2i)^6 I_9 &= 4c_{11}^2 c_{31}c_{13} - 4c_{11}^2 c_{22}^2 \\
(-2i)^8 I_{22} &= -8c_{11}^3 c_{21}^2 c_{13} + 16c_{11}^3 c_{21}c_{12}c_{22} - 8c_{11}^3 c_{12}^2 c_{31} \ .
\end{aligned} \tag{110}$$

Solving these equations we obtain

$$\begin{aligned}
c_{22} &= \tfrac{I_8}{I_1} \\
c_{31}c_{13} &= \tfrac{I_8^2}{I_1^2} - 4\tfrac{I_9}{I_1} \\
c_{40}c_{04} &= 16I_6 + \tfrac{I_8^2}{I_1^2} - \tfrac{I_9}{I_1} \\
\Re(c_{40}c_{13}^2) &= 32I_7 + 8\tfrac{I_6 I_8}{I_1} - 12\tfrac{I_8 I_9}{I_1^2} + \tfrac{I_8^3}{I_1^3} \\
\Re(c_{31}c_{12}^2) &= \tfrac{1}{\sqrt{I_1}}(2\tfrac{I_3 I_8}{I_1} - \tfrac{I_4 I_8}{I_1^2} - 2\tfrac{I_{22}}{I_1}) \ .
\end{aligned} \tag{111}$$

So the set $c_{22}$, $c_{31}c_{13}$, $c_{40}c_{04}$, $\Re(c_{40}c_{13}^2)$ and $\Re(c_{31}c_{12}^2)$ together with the invariants of the second and third orders is used as the other set of invariants. Absolute values of the vanishing imaginary parts can be computed

$$\begin{aligned}
|\Im(c_{40}c_{13}^2)| &= \sqrt{c_{40}c_{04}(c_{31}c_{13})^2 - \Re^2(c_{40}c_{13}^2)} \ , \\
|\Im(c_{31}c_{12}^2)| &= \sqrt{c_{31}c_{13}(c_{21}c_{12})^2 - \Re^2(c_{31}c_{12}^2)} \ .
\end{aligned} \tag{112}$$

So, the set $I_1, I_2, I_3, I_4, I_6, I_7, I_8, I_9, I_{22}$ is independent. For comparison, we substitute $I_{22}$ by $I_{10}$ we know about it is dependent. The last equation in (110) becomes

$$(-2i)^9 I_{10} = -4c_{11}^3 c_{40}c_{13}^2 + 4c_{11}^3 c_{31}^2 c_{04} \ . \tag{113}$$

From it

$$\Im(c_{40}c_{13}^2) = \frac{8I_{10}}{(\sqrt{I_1})^3} \ , \tag{114}$$

but we know the absolute value of it from (112). It means the $I_{10}$ can have only one of two values given by other invariants, it is dependent, while the phase of the $c_{31}c_{12}^2$ cannot be computed.

We may want to use $I_{16}$ instead of $I_{22}$ because of less weight, then the last equation from (110) becomes

$$\begin{aligned}
(-2i)^6 I_{16} &= -2c_{11}c_{30}c_{12}c_{13} - 2c_{11}c_{21}c_{03}c_{31} + 2c_{11}c_{30}c_{03}c_{22} - 2c_{11}c_{21}c_{12}c_{22} \\
&\quad +2c_{11}c_{21}^2 c_{13} + 2c_{11}c_{12}^2 c_{31}
\end{aligned} \tag{115}$$

We can arrange it in the form

$$32\frac{I_{16}}{c_{11}} = c_{31}c_{12}^2(\frac{c_{21}^3 c_{03}}{c_{21}^2 c_{12}^2} - 1) + c_{13}c_{21}^2(\frac{c_{30}c_{12}^3}{c_{21}^2 c_{12}^2} - 1) - c_{30}c_{03}c_{22} + c_{21}c_{12}c_{22} \tag{116}$$

or

$$32\frac{I_{16}}{c_{11}} = 2\Re(c_{31}c_{12}^2)\Re(\frac{c_{30}c_{12}^3}{c_{21}^2c_{12}^2} - 1) + 2\Im(c_{31}c_{12}^2)\Im(\frac{c_{30}c_{12}^3}{c_{21}^2c_{12}^2} - 1) - c_{30}c_{03}c_{22} + c_{21}c_{12}c_{22} \ . \quad (117)$$

If we substitute $\Im(c_{31}c_{12}^2)$ from (112), we obtain a quadratic equation

$$\begin{aligned}&\Re^2(c_{31}c_{12}^2)(\Re^2(\tfrac{c_{30}c_{12}^3}{c_{21}^2c_{12}^2} - 1) + \Im^2(\tfrac{c_{30}c_{12}^3}{c_{21}^2c_{12}^2} - 1)) - \Re(c_{31}c_{12}^2)\Re(\tfrac{c_{30}c_{12}^3}{c_{21}^2c_{12}^2} - 1)(32\tfrac{I_{16}}{c_{11}} + c_{30}c_{03}c_{22} \\ &-c_{21}c_{12}c_{22}) + \tfrac{1}{4}(32\tfrac{I_{16}}{c_{11}} + c_{30}c_{03}c_{22} - c_{21}c_{12}c_{22})^2 - \Im^2(\tfrac{c_{30}c_{12}^3}{c_{21}^2c_{12}^2} - 1)(c_{31}c_{13}c_{21}^2c_{12}^2) = 0 \ .\end{aligned} \quad (118)$$

It has two solutions

$$\Re(c_{31}c_{12}^2) = \frac{\begin{aligned}&\Re(\tfrac{c_{30}c_{12}^3}{c_{21}^2c_{12}^2} - 1)(32\tfrac{I_{16}}{c_{11}} + c_{30}c_{03}c_{22} - c_{21}c_{12}c_{22}) \\ &\pm\Im(\tfrac{c_{30}c_{12}^3}{c_{21}^2c_{12}^2} - 1)\sqrt{\begin{aligned}&(32\tfrac{I_{16}}{c_{11}} + c_{30}c_{03}c_{22} - c_{21}c_{12}c_{22})^2 \\ &+4c_{31}c_{13}c_{21}^2c_{12}^2(\Re^2(\tfrac{c_{30}c_{12}^3}{c_{21}^2c_{12}^2} - 1) + \Im^2(\tfrac{c_{30}c_{12}^3}{c_{21}^2c_{12}^2} - 1))\end{aligned}}\end{aligned}}{2(\Re^2(\tfrac{c_{30}c_{12}^3}{c_{21}^2c_{12}^2} - 1) + \Im^2(\tfrac{c_{30}c_{12}^3}{c_{21}^2c_{12}^2} - 1))} \ . \quad (119)$$

You can see that a real solution always exists, i.e. the set set $I_1, I_2, I_3, I_4, I_6, I_7, I_8, I_9, I_{16}$ is independent, but also increasing complexity of the equations. If we use $I_{11}$ instead of $I_{16}$ (e.g. it has moments of two orders only), the final equation would be quartic. It leads to effort for simplification of the equations. If we need not have general formulas, but only dependency test, the solution in some points might be satisfactory. We obtain simple equations, if we choose the values of the affine invariants so the values of rotation invariants would be 1.

It relates with the fact that the sum of the coefficients of an invariant is zero. The invariant can be written as a weighted sum of products of moments

$$I = \sum_{j=1}^{t} c_j \prod_{\ell=1}^{s} \mu_{p_{j\ell},q_{j\ell}} \ . \quad (120)$$

The $t$ is the number of terms and the $s$ is the degree of the invariant. If we substitute it into Cayley - Aronhold differential equation (14), we obtain

$$\sum_{i=1}^{n} p_i\mu_{p_i-1,q_i+1} \sum_{j=1}^{t} c_j \ e(p_i,q_i,j)\frac{1}{\mu_{p_i,q_i}} \prod_{\ell=1}^{s} \mu_{p_{j\ell},q_{j\ell}} = 0 \ , \quad (121)$$

where $e(p_i, q_i, j)$ is the number of occurrences of the $\mu_{p_i,q_i}$ in the $j$-th term. The order of the summation can be exchanged

$$\sum_{j=1}^{t}\sum_{i=1}^{n} p_i\mu_{p_i-1,q_i+1}c_j \ e(p_i,q_i,j) \ \frac{1}{\mu_{p_i,q_i}} \prod_{\ell=1}^{s} \mu_{p_{j\ell},q_{j\ell}} = 0 \ , \quad (122)$$

But

$$\sum_{i=1}^{n} p_i \ e(p_i,q_i,j) \quad (123)$$

equals the weight $w$ of the invariant. If we substitute the same value, let us say $\mu$, for all moments, we obtain

$$\mu^s w \sum_{j=1}^{t} c_j = 0 \tag{124}$$

or the sum of the coefficients of an invariant is zero. It is an easy test, if some polynomial can be affine invariant, and it also means that if all moments have the same values, then all invariants are zero, and vice versa. In our case, we must compensate the fact that $\mu_{11} = 0$ because of the normalization by non-zero values of some invariants.

In our case, if we choose

$$I_1 = \frac{1}{4},\ I_2 = 0,\ I_3 = 0,\ I_4 = -\frac{1}{8},$$

then we obtain

$$c_{11} = 1,\ c_{21}c_{12} = 1,\ c_{30}c_{03} = 1,\ c_{30}c_{12}^3 = 1.$$

Similarly, if

$$I_6 = 0,\ I_7 = 0,\ I_8 = \frac{1}{4},\ I_9 = 0,$$

then

$$c_{22} = 1,\ c_{31}c_{13} = 1,\ c_{40}c_{04} = 1,\ c_{40}c_{13}^2 = 1.$$

Now, if we use $I_{10}$, then the last equation becomes

$$\Im(c_{40}c_{13}^2) = 64I_{10}\ ,$$

but from the previous equations we have

$$\Im(c_{40}c_{13}^2) = 0\ ,$$

therefore we cannot choose $I_{10}$ freely, it is dependent. If we use $I_{22}$ instead of $I_{10}$, then the last equation becomes

$$\Re(c_{31}c_{12}^2) = 1 - 16I_{22}\ .$$

We can choose $I_{22}$ freely, if $I_{22} = 0$, then $c_{31}c_{12}^2 = 1$. The $I_{22}$ is independent. If we use $I_{16}$, then the last equation becomes $I_{16} = 0$. It looks like the $I_{16}$ would be dependent, but if we change e.g. $I_2 = -\frac{1}{4}$, then $c_{30}c_{12}^3 = -1$ and we obtain

$$\Re(c_{31}c_{12}^2) = -8I_{16}\ .$$

The $I_{16}$ can be chosen freely, it is independent. If we look at the general formula (119), we found that the values of the affine invariants must be chosen so the denominator would be non-zero. This is the biggest problem with limited solution in one point. There are singular points in the space of invariants and if we choose such a point, the dependency test fails in spite of the invariants are independent.

The $I_{11}$ is similar to $I_{16}$ in this sense. For $I_2 = 0$ we obtain last equation $I_{11} = 0$ like it would be dependent, but for $I_2 = -\frac{1}{4}$ it becomes

$$256 I_{11} = 8\Re^2(c_{31}c_{12}^2),$$

$I_{11}$ can be chosen freely and it means it is independent. In reality, it must be from 0 to $\frac{1}{32}$, but it is whole interval, not only finite number of values, therefore it is satisfactory.

The following analysis of higher orders will not be so detailed, we will describe one choice of invariants with one test of independency only (except 8th order). We will suppose choice $I_2 = -\frac{1}{4}$ and $I_{16} = -\frac{1}{8}$, i.e. $c_{30}c_{12}^3 = -1$, $c_{31}c_{12}^2 = 1$ and from before $c_{11} = 1$, $c_{21}c_{12} = 1$, $c_{30}c_{03} = 1$, $c_{22} = 1$, $c_{31}c_{13} = 1$, $c_{40}c_{04} = 1$ and $c_{40}c_{13}^2 = 1$.

In the 5th order, we choose $I_{33}, I_{34}, I_{35}, I_{36}, I_{42}, I_{43}$. We obtain equations

$$\begin{aligned}
(-2i)^{10} I_{33} &= -c_{50}^2 c_{05}^2 + 10 c_{50}c_{05}c_{41}c_{14} - 4c_{50}c_{05}c_{32}c_{23} - 16 c_{50}c_{32}c_{14}^2 - 16 c_{41}^2 c_{23}c_{05} \\
&\quad -9c_{41}^2 c_{14}^2 + 12 c_{50}c_{23}^2 c_{14} + 12 c_{41}c_{32}^2 c_{05} + 76 c_{41}c_{14}c_{32}c_{23} - 48 c_{41}c_{23}^3 \\
&\quad -48 c_{32}^3 c_{14} + 32 c_{32}^2 c_{23}^2 \\
(-2i)^6 I_{34} &= -c_{11}c_{50}c_{05} + 3c_{11}c_{41}c_{14} - 2c_{11}c_{32}c_{23} \\
(-2i)^8 I_{35} &= -4c_{11}^3 c_{41}c_{14} + 4 c_{11}^3 c_{32}c_{23} \\
(-2i)^{10} I_{36} &= 2c_{11}^5 c_{50}c_{05} + 10 c_{11}^5 c_{41}c_{14} + 20 c_{11}^5 c_{32}c_{23} \\
(-2i)^5 I_{42} &= -2c_{11}c_{03}c_{41} + 2c_{11}c_{30}c_{14} + 6c_{11}c_{12}c_{32} - 6c_{11}c_{21}c_{23} \\
(-2i)^6 I_{43} &= 2c_{11}^2 c_{03}c_{41} + 2c_{11}^2 c_{30}c_{14} - 2c_{11}^2 c_{12}c_{32} - 2c_{11}^2 c_{21}c_{23} \ .
\end{aligned} \tag{125}$$

From $I_{34} = 0, I_{35} = 0, I_{36} = -\frac{1}{32}$ we have

$$c_{50}c_{05} = 1,\ c_{41}c_{14} = 1,\ c_{32}c_{23} = 1$$

and from $I_{42} = 0, I_{43} = 0$ we obtain two solutions

$$\begin{array}{lll}
a) & c_{41}c_{03} = 1, & c_{32}c_{12} = 1 \\
b) & c_{41}c_{03} = -1, & c_{32}c_{12} = -1
\end{array}$$

and in both cases

$$c_{41}c_{23}^3 = -1 \ .$$

The last equation becomes

$$-1024 I_{33} = 200 - 56\Re(c_{50}c_{23}^5) \ ,$$

it means the set is independent, we use $\Re(c_{50}c_{23}^5)$, $c_{50}c_{05}$, $c_{41}c_{14}$, $c_{32}c_{23}$, $\Re(c_{41}c_{23}^3)$ and $\Re(c_{32}c_{12})$ as the other set of invariants with values $c_{50}c_{23}^5 = 1$ for $I_{33} = -\frac{9}{64}$ and $c_{50}c_{05} = 1$, $c_{41}c_{14} = 1$, $c_{32}c_{23} = 1$, $c_{41}c_{23}^3 = -1$, $c_{32}c_{12} = 1$ from before for computation of higher orders.

In the 6th order, we choose $I_{112}, I_{113}, I_{114}, I_{115}, I_{116}, I_{117}, I_{124}$. We obtain equations

$$\begin{aligned}
(-2i)^6 I_{112} &= c_{60}c_{06} - 6c_{51}c_{15} + 15c_{42}c_{24} - 10c_{33}^2 \\
(-2i)^6 I_{113} &= -8c_{11}^3 c_{33} \\
(-2i)^8 I_{114} &= 4c_{11}^2 c_{51}c_{15} - 16c_{11}^2 c_{42}c_{24} + 12c_{11}^2 c_{33}^2 \\
(-2i)^{10} I_{115} &= -c_{11}c_{60}c_{06}c_{33} + c_{11}c_{60}c_{24}c_{15} + c_{11}c_{51}c_{42}c_{06} + 8c_{11}c_{51}c_{33}c_{15} \\
&\quad -9c_{11}c_{51}c_{24}^2 - 9c_{11}c_{42}^2 c_{15} + 17c_{11}c_{42}c_{33}c_{24} - 8c_{11}c_{33}^3 \\
(-2i)^{10} I_{116} &= 16c_{11}^4 c_{42}c_{24} - 16c_{11}^4 c_{33}^2 \\
(-2i)^6 I_{117} &= c_{30}^2 c_{06} - 6c_{30}c_{21}c_{15} + 6c_{30}c_{12}c_{24} - 2c_{30}c_{03}c_{33} + 9c_{21}^2 c_{24} - 18c_{21}c_{12}c_{33} \\
&\quad +6c_{21}c_{03}c_{42} + 9c_{12}^2 c_{42} - 6c_{12}c_{03}c_{51} + c_{03}^2 c_{60} \\
(-2i)^7 I_{124} &= c_{11}c_{30}^2 c_{06} - 4c_{11}c_{30}c_{21}c_{15} + 2c_{11}c_{30}c_{12}c_{24} + 3c_{11}c_{21}^2 c_{24} \\
&\quad -2c_{11}c_{21}c_{03}c_{42} - 3c_{11}c_{12}^2 c_{42} + 4c_{11}c_{12}c_{03}c_{51} - c_{11}c_{03}^2 c_{60}
\end{aligned} \tag{126}$$

From $I_{113} = \frac{1}{8}, I_{116} = 0, I_{114} = 0$ and $I_{112} = 0$ we have

$$c_{33} = 1,\ c_{42}c_{24} = 1,\ c_{51}c_{15} = 1,\ c_{60}c_{06} = 1\ .$$

The equations for $I_{115}$, $I_{117}$ and $I_{124}$ are very complicated. For simplification, let us suppose, that the values of the invariants are such, that

$$c_{42}c_{12}^2 = 1,\ c_{60}c_{24}^3 = 1\ .$$

Then they become

$$\begin{aligned}
64 I_{115} &= -1 + \Re(c_{51}c_{24}^2) \\
16 I_{117} &= 3 - 3\Re(c_{51}c_{24}^2) \\
16 I_{124} &= -\Im(c_{51}c_{24}^2)
\end{aligned}$$

From it, the corresponding values of the invariants are

$$\begin{aligned}
I_{117} &= -12 I_{115} \\
I_{124} &= \pm\sqrt{-\tfrac{1}{2} I_{115}(1 + 32 I_{115})}
\end{aligned}$$

and we can choose $I_{115}$ freely in the interval $< -\frac{1}{32}, 0 >$, the set is independent. We will use the values $I_{115} = 0$, $I_{117} = 0$, $I_{124} = 0$ and $c_{51}c_{24}^2 = 1$ for future computations of the other set of invariants $c_{33}$, $c_{42}c_{24}$, $c_{51}c_{15}$, $c_{60}c_{06}$, $\Re(c_{42}c_{12}^2)$, $\Re(c_{60}c_{24}^3)$ and $\Re(c_{51}c_{24}^2)$.

In the 7th order, we choose $I_{205}, I_{206}, I_{210}, I_{211}, I_{212}, I_{213}, I_{214}, I_{215}$. We obtain equations

$$\begin{aligned}
(-2i)^8 I_{205} &= -c_{11}c_{70}c_{07} + 5c_{11}c_{61}c_{16} - 9c_{11}c_{52}c_{25} + 5c_{11}c_{43}c_{34} \\
(-2i)^{10} I_{206} &= -4c_{11}^3 c_{61}c_{16} + 12c_{11}^3 c_{52}c_{25} - 8c_{11}^3 c_{43}c_{34} \\
(-2i)^7 I_{210} &= -4c_{11}^2 c_{30}c_{25} + 12c_{11}^2 c_{21}c_{34} - 12c_{11}^2 c_{12}c_{43} + 4c_{11}^2 c_{03}c_{52} \\
(-2i)^8 I_{211} &= -4c_{11}^3 c_{30}c_{25} + 4c_{11}^3 c_{21}c_{34} + 4c_{11}^3 c_{12}c_{43} - 4c_{11}^3 c_{03}c_{52} \\
(-2i)^9 I_{212} &= 2c_{11}c_{30}^2 c_{21}c_{07} - 2c_{11}c_{30}^2 c_{12}c_{16} - 12c_{11}c_{30}c_{21}^2 c_{16} + 24c_{11}c_{30}c_{21}c_{12}c_{25} \\
&\quad -4c_{11}c_{30}c_{21}c_{03}c_{34} - 12c_{11}c_{30}c_{12}^2 c_{34} + 4c_{11}c_{30}c_{12}c_{03}c_{43} + 18c_{11}c_{21}^3 c_{25} \\
&\quad -54c_{11}c_{21}^2 c_{12}c_{34} + 12c_{11}c_{21}^2 c_{03}c_{43} + 54c_{11}c_{21}c_{12}^2 c_{43} - 24c_{11}c_{21}c_{12}c_{03}c_{52} \\
&\quad +2c_{11}c_{21}c_{03}^2 c_{61} - 18c_{11}c_{12}^3 c_{52} + 12c_{11}c_{12}^2 c_{03}c_{61} - 2c_{11}c_{12}c_{03}^2 c_{70} \\
(-2i)^9 I_{213} &= 2c_{11}c_{30}^2 c_{12}c_{16} - 2c_{11}c_{30}^2 c_{03}c_{25} - 2c_{11}c_{30}c_{21}^2 c_{16} - 4c_{11}c_{30}c_{21}c_{12}c_{25} \\
&\quad +8c_{11}c_{30}c_{21}c_{03}c_{34} + 4c_{11}c_{30}c_{12}^2 c_{34} - 8c_{11}c_{30}c_{12}c_{03}c_{43} + 2c_{11}c_{30}c_{03}^2 c_{52} \\
&\quad +6c_{11}c_{21}^3 c_{25} - 12c_{11}c_{21}^2 c_{12}c_{34} - 4c_{11}c_{21}^2 c_{03}c_{43} + 12c_{11}c_{21}c_{12}^2 c_{43} \\
&\quad +4c_{11}c_{21}c_{12}c_{03}c_{52} - 2c_{11}c_{21}c_{03}^2 c_{61} - 6c_{11}c_{12}^3 c_{52} + 2c_{11}c_{12}^2 c_{03}c_{61} \\
(-2i)^9 I_{214} &= -16c_{11}^4 c_{21}c_{34} + 16c_{11}^4 c_{12}c_{43} \\
(-2i)^{10} I_{215} &= 2c_{11}^2 c_{30}^2 c_{21}c_{07} - 2c_{11}^2 c_{30}^2 c_{12}c_{16} - 8c_{11}^2 c_{30}c_{21}^2 c_{16} + 12c_{11}^2 c_{30}c_{21}c_{12}c_{25} \\
&\quad -4c_{11}^2 c_{30}c_{12}^2 c_{34} + 6c_{11}^2 c_{21}^3 c_{25} - 6c_{11}^2 c_{21}^2 c_{12}c_{34} - 4c_{11}^2 c_{21}^2 c_{03}c_{43} \\
&\quad -6c_{11}^2 c_{21}c_{12}^2 c_{43} + 12c_{11}^2 c_{21}c_{12}c_{03}c_{52} - 2c_{11}^2 c_{21}c_{03}^2 c_{61} + 6c_{11}^2 c_{12}^3 c_{52} \\
&\quad -8c_{11}^2 c_{12}^2 c_{03}c_{61} + 2c_{11}^2 c_{12}c_{03}^2 c_{70}
\end{aligned} \tag{127}$$

From $I_{214} = 0, I_{210} = 0, I_{211} = 0, I_{206} = 0$ and $I_{205} = 0$ we have

$$\Im(c_{43}c_{12}) = 0,\ c_{52}c_{03} = c_{43}c_{12},\ \text{i.e. } c_{52}c_{25} = c_{43}c_{34},\ c_{61}c_{16} = c_{43}c_{34},\ c_{70}c_{07} = c_{43}c_{34}\ .$$

If we substitute it into the equation for $I_{213}$, we obtain

$$\Im(c_{61}c_{12}^2 c_{03}) = -64 I_{213},$$

i.e. $\Im(c_{61}c_{12}^2 c_{03}) = 0$ for $I_{213} = 0$ and we obtain from the equation for $I_{212}$

$$\Im(c_{70}c_{12}c_{03}^2) = 128 I_{212},$$

i.e. $\Im(c_{70}c_{12}c_{03}^2) = 1$ for $I_{212} = \frac{1}{128}$. The last equation becomes

$$-256 I_{215} = \Re(c_{70}c_{12}c_{03}^2) - 3\Re(c_{61}c_{12}^2 c_{03}) + 3\Re(c_{52}c_{03}) - \Re(c_{43}c_{12})$$

or

$$-256 I_{215} = \pm\sqrt{(c_{43}c_{34})^2 - 1} - c_{43}c_{12}$$

and

$$c_{43}c_{12} = \frac{65536 I_{215}^2 + 1}{512 I_{215}}\ .$$

We can choose $I_{215}$ freely, the set is independent. We will use the values $I_{215} = \frac{1}{256}$, $c_{43}c_{12} = 1$, $c_{52}c_{03} = 1$, $c_{61}c_{12}^2 c_{03} = 1$ and $c_{70}c_{12}c_{03}^2 = i$ in the future of the other set of invariants $c_{43}c_{12}$, $c_{52}c_{03}$, $c_{61}c_{12}^2 c_{03}$ and $c_{70}c_{12}c_{03}^2$ (It is 8 real values).

The 8th order is an example, where the first choice is dependent, in spite of it satisfies the rule of thumb. If we choose the set $I_{280}$, $I_{281}$, $I_{282}$, $I_{283}$, $I_{284}$, $I_{288}$, $I_{289}$, $I_{290}$, $I_{291}$, then

the equation for $I_{284}$ does not bring any new information, the value of the $I_{284}$ cannot be chosen, while the equation for relation between $c_{62}c_{26}$ and $c_{53}c_{35}$ vanish. If we choose the set $I_{280}$, $I_{281}$, $I_{282}$, $I_{283}$, $I_{288}$, $I_{289}$, $I_{290}$, $I_{291}$, $I_{294}$ instead, we obtain equations

$$\begin{aligned}
(-2i)^8 I_{280} &= c_{80}c_{08} - 8c_{71}c_{17} + 28c_{62}c_{26} - 56c_{53}c_{35} + 35c_{44}^2 \\
(-2i)^8 I_{281} &= 16c_{11}^4 c_{44} \\
(-2i)^{10} I_{282} &= 4c_{11}^2 c_{71}c_{17} - 24c_{11}^2 c_{62}c_{26} + 60c_{11}^2 c_{53}c_{35} - 40c_{11}^2 c_{44}^2 \\
(-2i)^{10} I_{283} &= c_{30}^3 c_{12}c_{08} - c_{30}^3 c_{03}c_{17} - c_{30}^2 c_{21}^2 c_{08} - 5c_{30}^2 c_{21}c_{12}c_{17} \\
&\quad +7c_{30}^2 c_{21}c_{03}c_{26} + 5c_{30}^2 c_{12}^2 c_{26} - 8c_{30}^2 c_{12}c_{03}c_{35} + 2c_{30}^2 c_{03}^2 c_{44} \\
&\quad +6c_{30}c_{21}^3 c_{17} - 3c_{30}c_{21}^2 c_{12}c_{26} - 13c_{30}c_{21}^2 c_{03}c_{35} - 6c_{30}c_{21}c_{12}^2 c_{35} \\
&\quad +28c_{30}c_{21}c_{12}c_{03}c_{44} - 8c_{30}c_{21}c_{03}^2 c_{53} + 3c_{30}c_{12}^3 c_{44} - 13c_{30}c_{12}^2 c_{03}c_{53} \\
&\quad +7c_{30}c_{12}c_{03}^2 c_{62} - c_{30}c_{03}^3 c_{71} - 9c_{21}^4 c_{26} + 27c_{21}^3 c_{12}c_{35} + 3c_{21}^3 c_{03}c_{44} \\
&\quad -36c_{21}^2 c_{12}^2 c_{44} - 6c_{21}^2 c_{12}c_{03}c_{53} + 5c_{21}^2 c_{03}^2 c_{62} + 27c_{21}c_{12}^3 c_{53} \\
&\quad -3c_{21}c_{12}^2 c_{03}c_{62} - 5c_{21}c_{12}c_{03}^2 c_{71} + c_{21}c_{03}^3 c_{80} - 9c_{12}^4 c_{62} + 6c_{12}^3 c_{03}c_{71} \\
&\quad -c_{12}^2 c_{03}^2 c_{80} \\
(-2i)^8 I_{288} &= -2c_{11}c_{30}^2 c_{17} + 12c_{11}c_{30}c_{21}c_{26} \\
&\quad -12c_{11}c_{30}c_{12}c_{35} + 4c_{11}c_{30}c_{03}c_{44} - 18c_{11}c_{21}^2 c_{35} + 36c_{11}c_{21}c_{12}c_{44} \\
&\quad -12c_{11}c_{21}c_{03}c_{53} - 18c_{11}c_{12}^2 c_{53} + 12c_{11}c_{12}c_{03}c_{62} - 2c_{11}c_{03}^2 c_{71} \\
(-2i)^9 I_{289} &= -2c_{11}^2 c_{30}^2 c_{17} + 8c_{11}^2 c_{30}c_{21}c_{26} - 4c_{11}^2 c_{30}c_{12}c_{35} \\
&\quad -6c_{11}^2 c_{21}^2 c_{35} + 4c_{11}^2 c_{21}c_{03}c_{53} + 6c_{11}^2 c_{12}^2 c_{53} - 8c_{11}^2 c_{12}c_{03}c_{62} \\
&\quad +2c_{11}^2 c_{03}^2 c_{71} \\
(-2i)^{10} I_{290} &= -8c_{11}^3 c_{30}c_{21}c_{26} + 8c_{11}^3 c_{30}c_{12}c_{35} + 24c_{11}^3 c_{21}^2 c_{35} - 48c_{11}^3 c_{21}c_{12}c_{44} \\
&\quad +8c_{11}^3 c_{21}c_{03}c_{53} + 24c_{11}^3 c_{12}^2 c_{53} - 8c_{11}^3 c_{12}c_{03}c_{62} \\
(-2i)^{10} I_{291} &= -8c_{11}^3 c_{30}c_{12}c_{35} + 8c_{11}^3 c_{30}c_{03}c_{44} + 8c_{11}^3 c_{21}^2 c_{35} \\
&\quad -8c_{11}^3 c_{21}c_{12}c_{44} - 8c_{11}^3 c_{21}c_{03}c_{53} + 8c_{11}^3 c_{12}^2 c_{53} \\
(-2i)^9 I_{294} &= 4c_{11}^3 c_{40}c_{26} - 8c_{11}^3 c_{31}c_{35} + 8c_{11}^3 c_{13}c_{53} - 4c_{11}^3 c_{04}c_{62} \ .
\end{aligned} \tag{128}$$

From $I_{281} = \frac{1}{16}$ we have $c_{44} = 1$, from $I_{282} = 0$ we have $c_{71}c_{17} = 6c_{62}c_{26} - 15c_{53}c_{35} + 10$, and from $I_{280} = 0$ we have $c_{80}c_{08} = 20c_{62}c_{26} - 64c_{53}c_{35} + 45$. From $I_{291} = -\frac{1}{32}$ we obtain $\Re(c_{53}c_{12}^2) = 1$, from $I_{290} = 0$ we obtain $\Re(c_{62}c_{12}c_{03}) = -1$, from $I_{288} = 0$ we obtain $\Re(c_{71}c_{03}^2) = 1$ and from $I_{283} = -\frac{1}{512}$ we obtain $\Re(c_{80}c_{12}^2c_{03}^2) = 1$. The last two equations

$$\begin{aligned}
-128 I_{289} &= \Im(c_{71}c_{03}^2) - 4\Im(c_{62}c_{12}c_{03})) + \Im(c_{53}c_{12}^2) \\
-64 I_{294} &= 2\Im(c_{53}c_{12}^2) + \Im(c_{62}c_{12}c_{03}) \ .
\end{aligned}$$

If we substitute the expression for $c_{71}c_{17}$ from $I_{282} = 0$ and $\Im(c_{62}c_{12}c_{03}) = -2\Im(c_{53}c_{12}^2)$ from $I_{294} = 0$ into the equation for $I_{289}$, we obtain

$$-128 I_{289} = (9 \pm 3)\Im(c_{53}c_{12}^2) \ ,$$

$I_{289}$ can be chosen arbitrarily and this set is independent. We choose $I_{289} = 0$, $c_{44} = 1$, $c_{53}c_{12}^2 = 1$, $c_{62}c_{12}c_{03} = -1$, $c_{71}c_{03}^2 = 1$ and $c_{80}c_{12}^2c_{03}^2 = 1$ as the values of the other set of invariants $c_{44}$, $c_{53}c_{12}^2$, $c_{62}c_{12}c_{03}$, $c_{71}c_{03}^2$ and $c_{80}c_{12}^2c_{03}^2$ (It is 9 real values) for the future.

In the 9th order, we choose $I_{328}$, $I_{329}$, $I_{330}$, $I_{331}$, $I_{332}$, $I_{334}$, $I_{335}$, $I_{340}$, $I_{341}$, $I_{344}$. We obtain equations

$$
\begin{aligned}
(-2i)^{10} I_{328} &= -c_{11}c_{90}c_{09} + 7c_{11}c_{81}c_{18} - 20c_{11}c_{72}c_{27} + 28c_{11}c_{63}c_{36} - 14c_{11}c_{54}c_{45} \\
(-2i)^{9} I_{329} &= -c_{30}^3 c_{09} + 9c_{30}^2 c_{21}c_{18} - 9c_{30}^2 c_{12}c_{27} + 3c_{30}^2 c_{03}c_{36} - 27c_{30}c_{21}^2 c_{27} \\
&\quad +54c_{30}c_{21}c_{12}c_{36} - 18c_{30}c_{21}c_{03}c_{45} - 27c_{30}c_{12}^2 c_{45} + 18c_{30}c_{12}c_{03}c_{54} \\
&\quad -3c_{30}c_{03}^2 c_{63} + 27c_{21}^3 c_{36} - 81c_{21}^2 c_{12}c_{45} + 27c_{21}^2 c_{03}c_{54} + 81c_{21}c_{12}^2 c_{54} \\
&\quad -54c_{21}c_{12}c_{03}c_{63} + 9c_{21}c_{03}^2 c_{72} - 27c_{12}^3 c_{63} + 27c_{12}^2 c_{03}c_{72} - 9c_{12}c_{03}^2 c_{81} \\
&\quad +c_{03}^3 c_{90} \\
(-2i)^{9} I_{330} &= 8c_{11}^3 c_{30}c_{36} - 24c_{11}^3 c_{21}c_{45} + 24c_{11}^3 c_{12}c_{54} - 8c_{11}^3 c_{03}c_{63} \\
(-2i)^{10} I_{331} &= -c_{11}c_{30}^3 c_{09} + 7c_{11}c_{30}^2 c_{21}c_{18} - 5c_{11}c_{30}^2 c_{12}c_{27} + c_{11}c_{30}^2 c_{03}c_{36} \\
&\quad -15c_{11}c_{30}c_{21}^2 c_{27} + 18c_{11}c_{30}c_{21}c_{12}c_{36} - 2c_{11}c_{30}c_{21}c_{03}c_{45} - 3c_{11}c_{30}c_{12}^2 c_{45} \\
&\quad -2c_{11}c_{30}c_{12}c_{03}c_{54} + c_{11}c_{30}c_{03}^2 c_{63} + 9c_{11}c_{21}^3 c_{36} - 9c_{11}c_{21}^2 c_{12}c_{45} \\
&\quad -3c_{11}c_{21}^2 c_{03}c_{54} - 9c_{11}c_{21}c_{12}^2 c_{54} + 18c_{11}c_{21}c_{12}c_{03}c_{63} - 5c_{11}c_{21}c_{03}^2 c_{72} \\
&\quad +9c_{11}c_{12}^3 c_{63} - 15c_{11}c_{12}^2 c_{03}c_{72} + 7c_{11}c_{12}c_{03}^2 c_{81} - c_{11}c_{03}^3 c_{90} \\
(-2i)^{10} I_{332} &= 8c_{11}^4 c_{30}c_{36} - 8c_{11}^4 c_{21}c_{45} - 8c_{11}^4 c_{12}c_{54} + 8c_{11}^4 c_{03}c_{63} \\
(-2i)^{9} I_{334} &= -4c_{11}^2 c_{50}c_{27} + 20c_{11}^2 c_{41}c_{36} - 40c_{11}^2 c_{32}c_{45} + 40c_{11}^2 c_{23}c_{54} \\
&\quad -20c_{11}^2 c_{14}c_{63} + 4c_{11}^2 c_{05}c_{72} \\
(-2i)^{10} I_{335} &= -4c_{11}^3 c_{50}c_{27} + 12c_{11}^3 c_{41}c_{36} - 8c_{11}^3 c_{32}c_{45} - 8c_{11}^3 c_{23}c_{54} \\
&\quad +12c_{11}^3 c_{14}c_{63} - 4c_{11}^3 c_{05}c_{72} \\
(-2i)^{9} I_{340} &= 2c_{11}c_{70}c_{18} - 14c_{11}c_{61}c_{27} + 42c_{11}c_{52}c_{36} - 70c_{11}c_{43}c_{45} + 70c_{11}c_{34}c_{54} \\
&\quad -42c_{11}c_{25}c_{63} + 14c_{11}c_{16}c_{72} - 2c_{11}c_{07}c_{81} \\
(-2i)^{10} I_{341} &= 2c_{11}^2 c_{70}c_{18} - 10c_{11}^2 c_{61}c_{27} + 18c_{11}^2 c_{52}c_{36} - 10c_{11}^2 c_{43}c_{45} - 10c_{11}^2 c_{34}c_{54} \\
&\quad +18c_{11}^2 c_{25}c_{63} - 10c_{11}^2 c_{16}c_{72} + 2c_{11}^2 c_{07}c_{81} \\
(-2i)^{9} I_{344} &= 2c_{11}c_{30}c_{40}c_{18} - 8c_{11}c_{30}c_{31}c_{27} + 12c_{11}c_{30}c_{22}c_{36} - 8c_{11}c_{30}c_{13}c_{45} \\
&\quad +2c_{11}c_{30}c_{04}c_{54} - 6c_{11}c_{21}c_{40}c_{27} + 24c_{11}c_{21}c_{31}c_{36} - 36c_{11}c_{21}c_{22}c_{45} \\
&\quad +24c_{11}c_{21}c_{13}c_{54} - 6c_{11}c_{21}c_{04}c_{63} + 6c_{11}c_{12}c_{40}c_{36} - 24c_{11}c_{12}c_{31}c_{45} \\
&\quad +36c_{11}c_{12}c_{22}c_{54} - 24c_{11}c_{12}c_{13}c_{63} + 6c_{11}c_{12}c_{04}c_{72} - 2c_{11}c_{03}c_{40}c_{45} \\
&\quad +8c_{11}c_{03}c_{31}c_{54} - 12c_{11}c_{03}c_{22}c_{63} + 8c_{11}c_{03}c_{13}c_{72} - 2c_{11}c_{03}c_{04}c_{81}
\end{aligned}
\tag{129}
$$

From $I_{330} = 0$ we have $\Im(c_{63}c_{03}) = 3\Im(c_{54}c_{12})$, from $I_{332} = 0$ we have $\Re(c_{63}c_{03}) = \Re(c_{54}c_{12})$, from $I_{334} = 0$ we have

$$\Im(c_{72}c_{05}) = 5\Im(c_{63}c_{03}) - 10\Im(c_{54}c_{12}) = -5\Im(c_{54}c_{12}) \ .$$

From $I_{335} = 0$ we have

$$\Re(c_{72}c_{05}) = 3\Re(c_{63}c_{14}) - 2\Re(c_{54}c_{23}) = \Re(c_{54}c_{12}) \ .$$

From $I_{340} = 0$ we have

$$\Im(c_{81}c_{07}) = -7\Im(c_{72}c_{05}) - 21\Im(c_{63}c_{03}) + 35\Im(c_{54}c_{12}) = 7\Im(c_{54}c_{12}) \ .$$

From $I_{341} = -\frac{5}{256}$ we have

$$\Re(c_{81}c_{07}) = 10 + 5\Re(c_{72}c_{16}) - 9\Re(c_{63}c_{25}) + 5\Re(c_{54}c_{34}) = 10 - 9\Re(c_{54}c_{12}) \ .$$

From $I_{329} = \frac{9}{512}$ we have

$$
\begin{aligned}
\Im(c_{90}c_{03}^3) &= -9 + 9\Re(c_{81}c_{07}) + 18\Im(c_{72}c_{05}) + 30\Im(c_{63}c_{03}) - 72\Im(c_{54}c_{12}) \\
&= 81 - 81\Re(c_{54}c_{12}) + 72\Im(c_{54}c_{12}) \ .
\end{aligned}
$$

From $I_{331} = -\frac{11}{512}$ we have

$$\begin{aligned}\Re(c_{90}c_{03}^3) &= -11 - 7\Im(c_{81}c_{07}) + 10\Re(c_{72}c_{05}) + 10\Re(c_{63}c_{03}) - 8\Re(c_{54}c_{12}) \\ &= -11 - 49\Im(c_{54}c_{12}) + 12\Re(c_{54}c_{12}) \ .\end{aligned}$$

From $I_{344} = -\frac{1}{128}$ we have

$$\begin{aligned}\Re(c_{81}c_{07}) - \Im(c_{72}c_{05}) + 9\Im(c_{63}c_{03}) + 25\Im(c_{54}c_{12}) - 1 &= 0 \\ 3 - 3\Re(c_{54}c_{12}) + 19\Im(c_{54}c_{12}) &= 0 \ .\end{aligned}$$

If we substitute all of it into the first equation, we obtain a quadratic equation

$$194205\Re^2(c_{54}c_{12}) - 381798\Re(c_{54}c_{12}) + 187593 - 46208I_{328} = 0 \ .$$

The $I_{328}$ can be chosen freely, the set is independent. We will suppose values $I_{328} = 0$, $c_{54}c_{12} = 1$, $c_{63}c_{03} = 1$, $c_{72}c_{05} = 1$, $c_{81}c_{07} = 1$ and $c_{90}c_{03}^3 = 1$ of the other set of invariants $c_{54}c_{12}$, $c_{63}c_{03}$, $c_{72}c_{05}$, $c_{81}c_{07}$ and $c_{90}c_{03}^3$ in the future.

At a glance at the 10th order, we can choose 11 from 12 invariants, but more detailed analysis shows that except first two, all other equations consist of real parts of rotational invariants only. If we select e.g. $c_{55}$, $c_{64}c_{12}^2$, $c_{73}c_{12}c_{03}$, $c_{82}c_{03}^2$, $c_{91}c_{08}$ and $c_{10,0}c_{05}^2$ as a system of rotational invariants, we have one equation for absolute values ($I_{351}$), one for the real value $c_{55}$ ($I_{352}$) and ten equations for five real parts of other rotational invariants, therefore we can select seven independent invariants at maximum. We choose e.g. $I_{351}$, $I_{352}$, $I_{353}$, $I_{354}$, $I_{356}$, $I_{358}$ and $I_{361}$. We obtain equations

$$\begin{aligned}(-2i)^{10}I_{351} &= c_{10,0}c_{0,10} - 10c_{91}c_{19} + 45c_{82}c_{28} - 120c_{73}c_{37} + 210c_{64}c_{46} - 126c_{55}^2 \\ (-2i)^{10}I_{352} &= -32c_{11}^5c_{55} \\ (-2i)^{10}I_{353} &= c_{50}^2c_{0,10} - 10c_{50}c_{41}c_{19} + 20c_{50}c_{32}c_{28} - 20c_{50}c_{23}c_{37} + 10c_{50}c_{14}c_{46} \\ &\quad -2c_{50}c_{05}c_{55} + 25c_{41}^2c_{28} - 100c_{41}c_{32}c_{37} + 100c_{41}c_{23}c_{46} - 50c_{41}c_{14}c_{55} \\ &\quad +10c_{41}c_{05}c_{64} + 100c_{32}^2c_{46} - 200c_{32}c_{23}c_{55} + 100c_{32}c_{14}c_{64} - 20c_{32}c_{05}c_{73} \\ &\quad +100c_{23}^2c_{64} - 100c_{23}c_{14}c_{73} + 20c_{23}c_{05}c_{82} + 25c_{14}^2c_{82} - 10c_{14}c_{05}c_{91} \\ &\quad +c_{05}^2c_{10,0} \\ (-2i)^{10}I_{354} &= 4c_{11}^2c_{30}^2c_{28} - 24c_{11}^2c_{30}c_{21}c_{37} + 24c_{11}^2c_{30}c_{12}c_{46} - 8c_{11}^2c_{30}c_{03}c_{55} + 36c_{11}^2c_{21}^2c_{46} \\ &\quad -72c_{11}^2c_{21}c_{12}c_{55} + 24c_{11}^2c_{21}c_{03}c_{64} + 36c_{11}^2c_{12}^2c_{64} - 24c_{11}^2c_{12}c_{03}c_{73} \\ &\quad +4c_{11}^2c_{03}^2c_{82} \\ (-2i)^{10}I_{356} &= -8c_{11}^3c_{40}c_{37} + 32c_{11}^3c_{31}c_{46} - 48c_{11}^3c_{22}c_{55} + 32c_{11}^3c_{13}c_{64} - 8c_{11}^3c_{04}c_{73} \\ (-2i)^{10}I_{358} &= 4c_{11}^2c_{60}c_{28} - 24c_{11}^2c_{51}c_{37} + 60c_{11}^2c_{42}c_{46} - 80c_{11}^2c_{33}c_{55} + 60c_{11}^2c_{24}c_{64} \\ &\quad -24c_{11}^2c_{15}c_{73} + 4c_{11}^2c_{06}c_{82} \\ (-2i)^{10}I_{361} &= -2c_{11}c_{80}c_{19} + 16c_{11}c_{71}c_{28} - 56c_{11}c_{62}c_{37} + 112c_{11}c_{53}c_{46} - 140c_{11}c_{44}c_{55} \\ &\quad +112c_{11}c_{35}c_{64} - 56c_{11}c_{26}c_{73} + 16c_{11}c_{17}c_{82} - 2c_{11}c_{08}c_{91}\end{aligned} \tag{130}$$

From $I_{352} = \frac{1}{32}$ we have $c_{55} = 1$, from $I_{356} = 0$, $I_{358} = 0$, $I_{361} = 0$, $I_{354} = 0$ and $I_{353} = 0$ we have $\Re(c_{64}c_{12}^2) = 1$, $\Re(c_{73}c_{12}c_{03}) = -1$, $\Re(c_{82}c_{03}^2) = 1$, $\Re(c_{91}c_{08}) = 1$ and $\Re(c_{10,0}c_{05}^2) = 1$, from $I_{351} = 0$ we have

$$\Im^2(c_{10,0}c_{05}^2) - 10\Im^2(c_{91}c_{08}) + 45\Im^2(c_{82}c_{03}^2) - 120\Im^2(c_{73}c_{12}c_{03}) + 210\Im^2(c_{64}c_{12}^2) = 0 \ .$$

The set is independent, but not complete, we cannot compute imaginary parts of the variables unambiguously. The other set of invariants $c_{55}$, $c_{64}c_{12}^2$, $\Re(c_{73}c_{12}c_{03})$, $\Re(c_{82}c_{03}^2)$, $\Re(c_{91}c_{08})$ and $\Re(c_{10,0}c_{05}^2)$ correspondingly is not complete.

# 7 Conclusion

The report deals with affine moment invariants. It shows relation between graphs and affine moment invariants and uses the graph approach to the generation of the invariants. It is simpler for programming than traditional solution of a system of linear equations derived from Cayley - Aronhold differential equation and more precise, but little bit slower. The report also explains difficulties with the rule of thumb (16) in case of the second order moments.

The possibilities of computation of the number of irreducible and independent invariants by means of Cayley-Sylvester theorem are described. It is perfect tool for tests of linear independency, but in case of polynomial independency it is unreliable, particularly if the invariants are non-homogeneous. Nevertheless, if the weight of the invariants is not higher than 11, as 10 is in our case, the results of it agree with other methods.

The method for elimination of reducible invariants is described. The computational complexity of the similar method for elimination of irreducible invariants with polynomial dependency is too high, therefore only partial results are presented. Instead, an analytical test by means of normalized rotation invariants from complex moments is showed. If we have not any restrictions on the order of the invariants, then the following set of 56 independent invariants passed through this test

$I_1, I_2, I_3, I_4, I_6, I_7, I_8, I_9, I_{16}, I_{33}, I_{34}, I_{35}, I_{36}, I_{42}, I_{43}, I_{112}, I_{113}, I_{114}, I_{115}, I_{116}, I_{117}, I_{124}, I_{205}, I_{206}, I_{210}, I_{211}, I_{212}, I_{213}, I_{214}, I_{215}, I_{280}, I_{281}, I_{282}, I_{283}, I_{288}, I_{289}, I_{290}, I_{291}, I_{294}, I_{328}, I_{329}, I_{330}, I_{331}, I_{332}, I_{334}, I_{335}, I_{340}, I_{341}, I_{344}, I_{351}, I_{352}, I_{353}, I_{354}, I_{356}, I_{358}, I_{361}$ .

If there are some restrictions on the invariants, a user can choose his/her own set with keeping some rules. The irreducible invariants should be chosen only, the whole set and each its subset should satisfy the rule of thumb (16). An attempt at an analytical normalized rotation invariant test can be done.

In the CD - ROM enveloped, there are two files with invariants, "afinv10irred.txt" includes all 362 irreducible invariants published in this report in electronic form, "afinv10indep.txt" includes independent 56 of them. "readinv.m", "cm.m" and "cafmi.m" are Matlab m-files for reading the invariants from these files, computing moments from an image and for computing the values of the invariants. "readinv.c" includes c-language function that selects invariants by some criterion. It can be rewritten for some other type of processing.

We hope this tables of affine moment invariants will serve as useful aid for recognition of affinely deformed objects.

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**Homogeneous invariants of the order 2**

$$I_1 = (\mu_{20}\mu_{02} - \mu_{11}^2)/\mu_{00}^4$$

weight=2

structure: 2

Generating graph:

| | |
|---|---|
| 1 | 1 |
| 2 | 2 |



**Homogeneous invariants of the order 3**

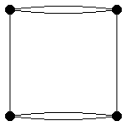
$$I_2 = (-\mu_{30}^2\mu_{03}^2 + 6\mu_{30}\mu_{21}\mu_{12}\mu_{03} - 4\mu_{30}\mu_{12}^3 - 4\mu_{21}^3\mu_{03} + 3\mu_{21}^2\mu_{12}^2)/\mu_{00}^{10}$$

weight=6

structure: 0,4

Generating graph:

| | | | | | |
|---|---|---|---|---|---|
| 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 3 | 3 | 4 | 4 | 4 |



**Simultaneous invariants of the orders 2 and 3**

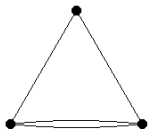
$$I_3 = (\mu_{20}\mu_{21}\mu_{03} - \mu_{20}\mu_{12}^2 - \mu_{11}\mu_{30}\mu_{03} + \mu_{11}\mu_{21}\mu_{12} + \mu_{02}\mu_{30}\mu_{12} - \mu_{02}\mu_{21}^2)/\mu_{00}^7$$

weight=4

structure: 1,2

Generating graph:

| | | | |
|---|---|---|---|
| 1 | 1 | 1 | 2 |
| 2 | 2 | 3 | 3 |



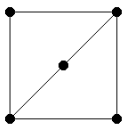
$$\begin{aligned} I_4 &= (-\mu_{20}^3\mu_{03}^2 + 6\mu_{20}^2\mu_{11}\mu_{12}\mu_{03} - 3\mu_{20}^2\mu_{02}\mu_{12}^2 - 6\mu_{20}\mu_{11}^2\mu_{21}\mu_{03} - 6\mu_{20}\mu_{11}^2\mu_{12}^2 \\ &\quad +12\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{12} - 3\mu_{20}\mu_{02}^2\mu_{21}^2 + 2\mu_{11}^3\mu_{30}\mu_{03} + 6\mu_{11}^3\mu_{21}\mu_{12} \\ &\quad -6\mu_{11}^2\mu_{02}\mu_{30}\mu_{12} - 6\mu_{11}^2\mu_{02}\mu_{21}^2 + 6\mu_{11}\mu_{02}^2\mu_{30}\mu_{21} - \mu_{02}^3\mu_{30}^2)/\mu_{00}^{11} \end{aligned}$$

weight=6

structure: 3,2

Generating graph:

| | | | | | |
|---|---|---|---|---|---|
| 1 | 1 | 1 | 2 | 3 | 4 |
| 2 | 3 | 4 | 5 | 5 | 5 |



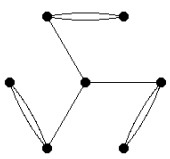
$$\begin{aligned} I_5 &= (\mu_{20}^3\mu_{30}\mu_{03}^3 - 3\mu_{20}^3\mu_{21}\mu_{12}\mu_{03}^2 + 2\mu_{20}^3\mu_{12}^3\mu_{03} - 6\mu_{20}^2\mu_{11}\mu_{30}\mu_{12}\mu_{03}^2 \\ &\quad +6\mu_{20}^2\mu_{11}\mu_{21}^2\mu_{03}^2 + 6\mu_{20}^2\mu_{11}\mu_{21}\mu_{12}^2\mu_{03} - 6\mu_{20}^2\mu_{11}\mu_{12}^4 \\ &\quad +3\mu_{20}^2\mu_{02}\mu_{30}\mu_{12}^2\mu_{03} - 6\mu_{20}^2\mu_{02}\mu_{21}^2\mu_{12}\mu_{03} + 3\mu_{20}^2\mu_{02}\mu_{21}\mu_{12}^3 \\ &\quad +12\mu_{20}\mu_{11}^2\mu_{30}\mu_{12}^2\mu_{03} - 24\mu_{20}\mu_{11}^2\mu_{21}^2\mu_{12}\mu_{03} + 12\mu_{20}\mu_{11}^2\mu_{21}\mu_{12}^3 \\ &\quad -12\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{12}^3 + 12\mu_{20}\mu_{11}\mu_{02}\mu_{21}^3\mu_{03} - 3\mu_{20}\mu_{02}^2\mu_{30}\mu_{21}^2\mu_{03} \\ &\quad +6\mu_{20}\mu_{02}^2\mu_{30}\mu_{21}\mu_{12}^2 - 3\mu_{20}\mu_{02}^2\mu_{21}^3\mu_{12} - 8\mu_{11}^3\mu_{30}\mu_{12}^3 + 8\mu_{11}^3\mu_{21}^3\mu_{03} \\ &\quad -12\mu_{11}^2\mu_{02}\mu_{30}\mu_{21}^2\mu_{03} + 24\mu_{11}^2\mu_{02}\mu_{30}\mu_{21}\mu_{12}^2 - 12\mu_{11}^2\mu_{02}\mu_{21}^3\mu_{12} \\ &\quad +6\mu_{11}\mu_{02}^2\mu_{30}^2\mu_{21}\mu_{03} - 6\mu_{11}\mu_{02}^2\mu_{30}^2\mu_{12}^2 - 6\mu_{11}\mu_{02}^2\mu_{30}\mu_{21}^2\mu_{12} \\ &\quad +6\mu_{11}\mu_{02}^2\mu_{21}^4 - \mu_{02}^3\mu_{30}^3\mu_{03} + 3\mu_{02}^3\mu_{30}^2\mu_{21}\mu_{12} - 2\mu_{02}^3\mu_{30}\mu_{21}^3)/\mu_{00}^{16} \end{aligned}$$

weight=9

structure: 3,4

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 |
| 2 | 3 | 4 | 5 | 5 | 6 | 6 | 7 | 7 |



**Homogeneous invariants of the order 4**

$$I_6 = (\mu_{40}\mu_{04} - 4\mu_{31}\mu_{13} + 3\mu_{22}^2)/\mu_{00}^6$$

weight=4

structure: 0,0,2

Generating graph:

| | | | |
|---|---|---|---|
| 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 |

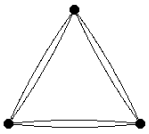
$$I_7 = (\mu_{40}\mu_{22}\mu_{04} - \mu_{40}\mu_{13}^2 - \mu_{31}^2\mu_{04} + 2\mu_{31}\mu_{22}\mu_{13} - \mu_{22}^3)/\mu_{00}^9$$

weight=6

structure: 0,0,3

Generating graph:

| | | | | | |
|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 3 |



**Simultaneous invariants of the orders 2 and 4**

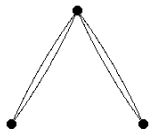
$$I_8 \;=\; (\mu_{20}^2\mu_{04} - 4\mu_{20}\mu_{11}\mu_{13} + 2\mu_{20}\mu_{02}\mu_{22} + 4\mu_{11}^2\mu_{22} - 4\mu_{11}\mu_{02}\mu_{31} + \mu_{02}^2\mu_{40})/\mu_{00}^7$$

weight=4

structure: 2,0,1

Generating graph:

| | | | |
|---|---|---|---|
| 1 | 1 | 1 | 1 |
| 2 | 2 | 3 | 3 |



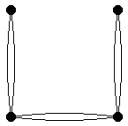
$$
\begin{aligned}
I_9 \;=\; & (\mu_{20}^2\mu_{22}\mu_{04} - \mu_{20}^2\mu_{13}^2 - 2\mu_{20}\mu_{11}\mu_{31}\mu_{04} + 2\mu_{20}\mu_{11}\mu_{22}\mu_{13} \\
& +\mu_{20}\mu_{02}\mu_{40}\mu_{04} - 2\mu_{20}\mu_{02}\mu_{31}\mu_{13} + \mu_{20}\mu_{02}\mu_{22}^2 + 4\mu_{11}^2\mu_{31}\mu_{13} - 4\mu_{11}^2\mu_{22}^2 \\
& -2\mu_{11}\mu_{02}\mu_{40}\mu_{13} + 2\mu_{11}\mu_{02}\mu_{31}\mu_{22} + \mu_{02}^2\mu_{40}\mu_{22} - \mu_{02}^2\mu_{31}^2)/\mu_{00}^{10}
\end{aligned}
$$

weight=6

structure: 2,0,2

Generating graph:

| | | | | | |
|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 3 | 3 | 4 | 4 |



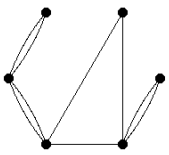
$$
\begin{aligned}
I_{10} \;=\; & (\mu_{20}^3\mu_{31}\mu_{04}^2 - 3\mu_{20}^3\mu_{22}\mu_{13}\mu_{04} + 2\mu_{20}^3\mu_{13}^3 - \mu_{20}^2\mu_{11}\mu_{40}\mu_{04}^2 \\
& -2\mu_{20}^2\mu_{11}\mu_{31}\mu_{13}\mu_{04} + 9\mu_{20}^2\mu_{11}\mu_{22}^2\mu_{04} - 6\mu_{20}^2\mu_{11}\mu_{22}\mu_{13}^2 \\
& +\mu_{20}^2\mu_{02}\mu_{40}\mu_{13}\mu_{04} - 3\mu_{20}^2\mu_{02}\mu_{31}\mu_{22}\mu_{04} + 2\mu_{20}^2\mu_{02}\mu_{31}\mu_{13}^2 \\
& +4\mu_{20}\mu_{11}^2\mu_{40}\mu_{13}\mu_{04} - 12\mu_{20}\mu_{11}^2\mu_{31}\mu_{22}\mu_{04} + 8\mu_{20}\mu_{11}^2\mu_{31}\mu_{13}^2 \\
& -6\mu_{20}\mu_{11}\mu_{02}\mu_{40}\mu_{13}^2 + 6\mu_{20}\mu_{11}\mu_{02}\mu_{31}^2\mu_{04} - \mu_{20}\mu_{02}^2\mu_{40}\mu_{31}\mu_{04} \\
& +3\mu_{20}\mu_{02}^2\mu_{40}\mu_{22}\mu_{13} - 2\mu_{20}\mu_{02}^2\mu_{31}^2\mu_{13} - 4\mu_{11}^3\mu_{40}\mu_{13}^2 + 4\mu_{11}^3\mu_{31}^2\mu_{04} \\
& -4\mu_{11}^2\mu_{02}\mu_{40}\mu_{31}\mu_{04} + 12\mu_{11}^2\mu_{02}\mu_{40}\mu_{22}\mu_{13} - 8\mu_{11}^2\mu_{02}\mu_{31}^2\mu_{13} \\
& +\mu_{11}\mu_{02}^2\mu_{40}^2\mu_{04} + 2\mu_{11}\mu_{02}^2\mu_{40}\mu_{31}\mu_{13} - 9\mu_{11}\mu_{02}^2\mu_{40}\mu_{22}^2 \\
& +6\mu_{11}\mu_{02}^2\mu_{31}^2\mu_{22} - \mu_{02}^3\mu_{40}^2\mu_{13} + 3\mu_{02}^3\mu_{40}\mu_{31}\mu_{22} - 2\mu_{02}^3\mu_{31}^3)/\mu_{00}^{15}
\end{aligned}
$$

weight=9

structure: 3,0,3

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |



**Simultaneous invariants of the orders 3 and 4**

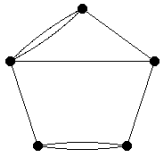
$$\begin{aligned} I_{11} \;=\; & (\mu_{30}^2\mu_{12}^2\mu_{04} - 2\mu_{30}^2\mu_{12}\mu_{03}\mu_{13} + \mu_{30}^2\mu_{03}^2\mu_{22} - 2\mu_{30}\mu_{21}^2\mu_{12}\mu_{04} \\ & +2\mu_{30}\mu_{21}^2\mu_{03}\mu_{13} + 2\mu_{30}\mu_{21}\mu_{12}^2\mu_{13} - 2\mu_{30}\mu_{21}\mu_{03}^2\mu_{31} - 2\mu_{30}\mu_{12}^3\mu_{22} \\ & +2\mu_{30}\mu_{12}^2\mu_{03}\mu_{31} + \mu_{21}^4\mu_{04} - 2\mu_{21}^3\mu_{12}\mu_{13} - 2\mu_{21}^3\mu_{03}\mu_{22} + 3\mu_{21}^2\mu_{12}^2\mu_{22} \\ & +2\mu_{21}^2\mu_{12}\mu_{03}\mu_{31} + \mu_{21}^2\mu_{03}^2\mu_{40} - 2\mu_{21}\mu_{12}^3\mu_{31} - 2\mu_{21}\mu_{12}^2\mu_{03}\mu_{40} + \mu_{12}^4\mu_{40})/\mu_{00}^{13} \end{aligned}$$

weight=8

structure: 0,4,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 |
| 2 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |



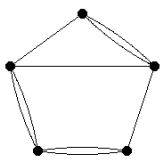
$$\begin{aligned} I_{12} \;=\; & (\mu_{30}^2\mu_{31}\mu_{04}^2 - 3\mu_{30}^2\mu_{22}\mu_{13}\mu_{04} + 2\mu_{30}^2\mu_{13}^3 - \mu_{30}\mu_{21}\mu_{40}\mu_{04}^2 \\ & -2\mu_{30}\mu_{21}\mu_{31}\mu_{13}\mu_{04} + 9\mu_{30}\mu_{21}\mu_{22}^2\mu_{04} - 6\mu_{30}\mu_{21}\mu_{22}\mu_{13}^2 \\ & +2\mu_{30}\mu_{12}\mu_{40}\mu_{13}\mu_{04} - 6\mu_{30}\mu_{12}\mu_{31}\mu_{22}\mu_{04} + 4\mu_{30}\mu_{12}\mu_{31}\mu_{13}^2 \\ & -\mu_{30}\mu_{03}\mu_{40}\mu_{13}^2 + \mu_{30}\mu_{03}\mu_{31}^2\mu_{04} + 3\mu_{21}^2\mu_{40}\mu_{13}\mu_{04} - 9\mu_{21}^2\mu_{31}\mu_{22}\mu_{04} \\ & +6\mu_{21}^2\mu_{31}\mu_{13}^2 - 9\mu_{21}\mu_{12}\mu_{40}\mu_{13}^2 + 9\mu_{21}\mu_{12}\mu_{31}^2\mu_{04} - 2\mu_{21}\mu_{03}\mu_{40}\mu_{31}\mu_{04} \\ & +6\mu_{21}\mu_{03}\mu_{40}\mu_{22}\mu_{13} - 4\mu_{21}\mu_{03}\mu_{31}^2\mu_{13} - 3\mu_{12}^2\mu_{40}\mu_{31}\mu_{04} \\ & +9\mu_{12}^2\mu_{40}\mu_{22}\mu_{13} - 6\mu_{12}^2\mu_{31}^2\mu_{13} + \mu_{12}\mu_{03}\mu_{40}^2\mu_{04} + 2\mu_{12}\mu_{03}\mu_{40}\mu_{31}\mu_{13} \\ & -9\mu_{12}\mu_{03}\mu_{40}\mu_{22}^2 + 6\mu_{12}\mu_{03}\mu_{31}^2\mu_{22} - \mu_{03}^2\mu_{40}^2\mu_{13} + 3\mu_{03}^2\mu_{40}\mu_{31}\mu_{22} \\ & -2\mu_{03}^2\mu_{31}^3)/\mu_{00}^{14} \end{aligned}$$

weight=9

structure: 0,2,3

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |



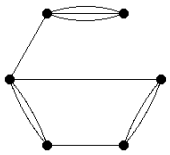
$$
\begin{aligned}
I_{13} \;=\; & (3\mu_{30}^2\mu_{12}^2\mu_{22}\mu_{04} - 3\mu_{30}^2\mu_{12}^2\mu_{13}^2 - 3\mu_{30}^2\mu_{12}\mu_{03}\mu_{31}\mu_{04} \\
& +3\mu_{30}^2\mu_{12}\mu_{03}\mu_{22}\mu_{13} + \mu_{30}^2\mu_{03}^2\mu_{40}\mu_{04} - \mu_{30}^2\mu_{03}^2\mu_{31}\mu_{13} \\
& -6\mu_{30}\mu_{21}^2\mu_{12}\mu_{22}\mu_{04} + 6\mu_{30}\mu_{21}^2\mu_{12}\mu_{13}^2 + 3\mu_{30}\mu_{21}^2\mu_{03}\mu_{31}\mu_{04} \\
& -3\mu_{30}\mu_{21}^2\mu_{03}\mu_{22}\mu_{13} + 3\mu_{30}\mu_{21}\mu_{12}^2\mu_{31}\mu_{04} - 3\mu_{30}\mu_{21}\mu_{12}^2\mu_{22}\mu_{13} \\
& -3\mu_{30}\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{04} + 12\mu_{30}\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{13} \\
& -9\mu_{30}\mu_{21}\mu_{12}\mu_{03}\mu_{22}^2 - 3\mu_{30}\mu_{21}\mu_{03}^2\mu_{40}\mu_{13} + 3\mu_{30}\mu_{21}\mu_{03}^2\mu_{31}\mu_{22} \\
& +\mu_{30}\mu_{12}^3\mu_{40}\mu_{04} - 10\mu_{30}\mu_{12}^3\mu_{31}\mu_{13} + 9\mu_{30}\mu_{12}^3\mu_{22}^2 + 3\mu_{30}\mu_{12}^2\mu_{03}\mu_{40}\mu_{13} \\
& -3\mu_{30}\mu_{12}^2\mu_{03}\mu_{31}\mu_{22} + 3\mu_{21}^4\mu_{22}\mu_{04} - 3\mu_{21}^4\mu_{13}^2 - 3\mu_{21}^3\mu_{12}\mu_{31}\mu_{04} \\
& +3\mu_{21}^3\mu_{12}\mu_{22}\mu_{13} + \mu_{21}^3\mu_{03}\mu_{40}\mu_{04} - 10\mu_{21}^3\mu_{03}\mu_{31}\mu_{13} + 9\mu_{21}^3\mu_{03}\mu_{22}^2 \\
& +9\mu_{21}^2\mu_{12}^2\mu_{31}\mu_{13} - 9\mu_{21}^2\mu_{12}^2\mu_{22}^2 + 3\mu_{21}^2\mu_{12}\mu_{03}\mu_{40}\mu_{13} \\
& -3\mu_{21}^2\mu_{12}\mu_{03}\mu_{31}\mu_{22} + 3\mu_{21}^2\mu_{03}^2\mu_{40}\mu_{22} - 3\mu_{21}^2\mu_{03}^2\mu_{31}^2 - 3\mu_{21}\mu_{12}^3\mu_{40}\mu_{13} \\
& +3\mu_{21}\mu_{12}^3\mu_{31}\mu_{22} - 6\mu_{21}\mu_{12}^2\mu_{03}\mu_{40}\mu_{22} + 6\mu_{21}\mu_{12}^2\mu_{03}\mu_{31}^2 + 3\mu_{12}^4\mu_{40}\mu_{22} \\
& -3\mu_{12}^4\mu_{31}^2)/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 0,4,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 4 |
| 2 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 |

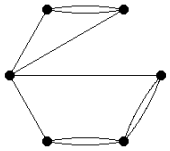


$$
\begin{aligned}
I_{14} \;=\; & (\mu_{30}^3\mu_{12}\mu_{04}^2 - \mu_{30}^3\mu_{03}\mu_{13}\mu_{04} - \mu_{30}^2\mu_{21}^2\mu_{04}^2 - 5\mu_{30}^2\mu_{21}\mu_{12}\mu_{13}\mu_{04} \\
& +3\mu_{30}^2\mu_{21}\mu_{03}\mu_{22}\mu_{04} + 4\mu_{30}^2\mu_{21}\mu_{03}\mu_{13}^2 + \mu_{30}^2\mu_{12}^2\mu_{22}\mu_{04} + 4\mu_{30}^2\mu_{12}^2\mu_{13}^2 \\
& -8\mu_{30}^2\mu_{12}\mu_{03}\mu_{22}\mu_{13} + 2\mu_{30}^2\mu_{03}^2\mu_{22}^2 + 6\mu_{30}\mu_{21}^3\mu_{13}\mu_{04} \\
& +\mu_{30}\mu_{21}^2\mu_{12}\mu_{22}\mu_{04} - 4\mu_{30}\mu_{21}^2\mu_{12}\mu_{13}^2 - 3\mu_{30}\mu_{21}^2\mu_{03}\mu_{31}\mu_{04} \\
& -10\mu_{30}\mu_{21}^2\mu_{03}\mu_{22}\mu_{13} - 2\mu_{30}\mu_{21}\mu_{12}^2\mu_{31}\mu_{04} - 4\mu_{30}\mu_{21}\mu_{12}^2\mu_{22}\mu_{13} \\
& +16\mu_{30}\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{13} + 12\mu_{30}\mu_{21}\mu_{12}\mu_{03}\mu_{22}^2 - 8\mu_{30}\mu_{21}\mu_{03}^2\mu_{31}\mu_{22} \\
& +\mu_{30}\mu_{12}^3\mu_{40}\mu_{04} + 2\mu_{30}\mu_{12}^3\mu_{22}^2 - 3\mu_{30}\mu_{12}^2\mu_{03}\mu_{40}\mu_{13} \\
& -10\mu_{30}\mu_{12}^2\mu_{03}\mu_{31}\mu_{22} + 3\mu_{30}\mu_{12}\mu_{03}^2\mu_{40}\mu_{22} + 4\mu_{30}\mu_{12}\mu_{03}^2\mu_{31}^2 \\
& -\mu_{30}\mu_{03}^3\mu_{40}\mu_{31} - 5\mu_{21}^4\mu_{22}\mu_{04} - 4\mu_{21}^4\mu_{13}^2 + 5\mu_{21}^3\mu_{12}\mu_{31}\mu_{04} \\
& +22\mu_{21}^3\mu_{12}\mu_{22}\mu_{13} + \mu_{21}^3\mu_{03}\mu_{40}\mu_{04} + 2\mu_{21}^3\mu_{03}\mu_{22}^2 - 2\mu_{21}^2\mu_{12}^2\mu_{40}\mu_{04} \\
& -16\mu_{21}^2\mu_{12}^2\mu_{31}\mu_{13} - 18\mu_{21}^2\mu_{12}^2\mu_{22}^2 - 2\mu_{21}^2\mu_{12}\mu_{03}\mu_{40}\mu_{13} \\
& -4\mu_{21}^2\mu_{12}\mu_{03}\mu_{31}\mu_{22} + \mu_{21}^2\mu_{03}^2\mu_{40}\mu_{22} + 4\mu_{21}^2\mu_{03}^2\mu_{31}^2 + 5\mu_{21}\mu_{12}^3\mu_{40}\mu_{13} \\
& +22\mu_{21}\mu_{12}^3\mu_{31}\mu_{22} + \mu_{21}\mu_{12}^2\mu_{03}\mu_{40}\mu_{22} - 4\mu_{21}\mu_{12}^2\mu_{03}\mu_{31}^2 \\
& -5\mu_{21}\mu_{12}\mu_{03}^2\mu_{40}\mu_{31} + \mu_{21}\mu_{03}^3\mu_{40}^2 - 5\mu_{12}^4\mu_{40}\mu_{22} - 4\mu_{12}^4\mu_{31}^2 \\
& +6\mu_{12}^3\mu_{03}\mu_{40}\mu_{31} - \mu_{12}^2\mu_{03}^2\mu_{40}^2)/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 0,4,2
Generating graph:

$$\begin{array}{cccccccccc} 1 & 1 & 1 & 1 & 2 & 2 & 3 & 3 & 4 & 4 \\ 2 & 3 & 4 & 5 & 5 & 5 & 6 & 6 & 6 & 6 \end{array}$$

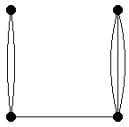


**Simultaneous invariants of the orders 2, 3 and 4**

$$\begin{aligned} I_{15} \;=\; & (\mu_{20}\mu_{30}\mu_{12}\mu_{04} - \mu_{20}\mu_{30}\mu_{03}\mu_{13} - 3\mu_{20}\mu_{21}\mu_{12}\mu_{13} + 3\mu_{20}\mu_{21}\mu_{03}\mu_{22} \\ & +3\mu_{20}\mu_{12}^2\mu_{22} - 4\mu_{20}\mu_{12}\mu_{03}\mu_{31} + \mu_{20}\mu_{03}^2\mu_{40} - 2\mu_{11}\mu_{30}\mu_{21}\mu_{04} \\ & +2\mu_{11}\mu_{30}\mu_{12}\mu_{13} + 6\mu_{11}\mu_{21}^2\mu_{13} - 12\mu_{11}\mu_{21}\mu_{12}\mu_{22} + 2\mu_{11}\mu_{21}\mu_{03}\mu_{31} \\ & +6\mu_{11}\mu_{12}^2\mu_{31} - 2\mu_{11}\mu_{12}\mu_{03}\mu_{40} + \mu_{02}\mu_{30}^2\mu_{04} - 4\mu_{02}\mu_{30}\mu_{21}\mu_{13} \\ & +3\mu_{02}\mu_{30}\mu_{12}\mu_{22} - \mu_{02}\mu_{30}\mu_{03}\mu_{31} + 3\mu_{02}\mu_{21}^2\mu_{22} - 3\mu_{02}\mu_{21}\mu_{12}\mu_{31} \\ & +\mu_{02}\mu_{21}\mu_{03}\mu_{40})/\mu_{00}^{10} \end{aligned}$$

weight=6
structure: 1,2,1
Generating graph:

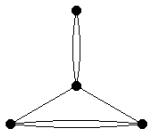
$$\begin{array}{cccccc} 1 & 1 & 1 & 1 & 2 & 2 \\ 2 & 3 & 3 & 3 & 4 & 4 \end{array}$$



$$\begin{aligned} I_{16} \;=\; & (\mu_{20}\mu_{30}\mu_{12}\mu_{04} - \mu_{20}\mu_{30}\mu_{03}\mu_{13} - \mu_{20}\mu_{21}^2\mu_{04} + \mu_{20}\mu_{21}\mu_{12}\mu_{13} \\ & +\mu_{20}\mu_{21}\mu_{03}\mu_{22} - \mu_{20}\mu_{12}^2\mu_{22} - 2\mu_{11}\mu_{30}\mu_{12}\mu_{13} + 2\mu_{11}\mu_{30}\mu_{03}\mu_{22} \\ & +2\mu_{11}\mu_{21}^2\mu_{13} - 2\mu_{11}\mu_{21}\mu_{12}\mu_{22} - 2\mu_{11}\mu_{21}\mu_{03}\mu_{31} + 2\mu_{11}\mu_{12}^2\mu_{31} \\ & +\mu_{02}\mu_{30}\mu_{12}\mu_{22} - \mu_{02}\mu_{30}\mu_{03}\mu_{31} - \mu_{02}\mu_{21}^2\mu_{22} + \mu_{02}\mu_{21}\mu_{12}\mu_{31} \\ & +\mu_{02}\mu_{21}\mu_{03}\mu_{40} - \mu_{02}\mu_{12}^2\mu_{40})/\mu_{00}^{10} \end{aligned}$$

weight=6
structure: 1,2,1
Generating graph:

$$\begin{array}{cccccc} 1 & 1 & 1 & 1 & 2 & 2 \\ 2 & 3 & 3 & 4 & 4 & 4 \end{array}$$



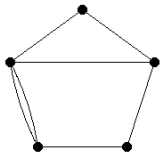
$$
\begin{aligned}
I_{17} \;=\; & (-\mu_{20}^2\mu_{21}\mu_{12}\mu_{04} + \mu_{20}^2\mu_{21}\mu_{03}\mu_{13} + 2\mu_{20}^2\mu_{12}^2\mu_{13} - 3\mu_{20}^2\mu_{12}\mu_{03}\mu_{22} \\
& +\mu_{20}^2\mu_{03}^2\mu_{31} + \mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{04} - \mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{13} \\
& +2\mu_{20}\mu_{11}\mu_{21}^2\mu_{04} - 7\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{13} + 3\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{22} \\
& +3\mu_{20}\mu_{11}\mu_{12}^2\mu_{22} - \mu_{20}\mu_{11}\mu_{03}^2\mu_{40} - \mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{04} \\
& +\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{13} + \mu_{20}\mu_{02}\mu_{21}^2\mu_{13} - \mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{31} \\
& -\mu_{20}\mu_{02}\mu_{12}^2\mu_{31} + \mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{40} - 2\mu_{11}^2\mu_{30}\mu_{21}\mu_{04} \\
& +2\mu_{11}^2\mu_{30}\mu_{12}\mu_{13} + 2\mu_{11}^2\mu_{21}^2\mu_{13} - 2\mu_{11}^2\mu_{21}\mu_{03}\mu_{31} - 2\mu_{11}^2\mu_{12}^2\mu_{31} \\
& +2\mu_{11}^2\mu_{12}\mu_{03}\mu_{40} + \mu_{11}\mu_{02}\mu_{30}^2\mu_{04} - 3\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{22} \\
& +\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{31} - 3\mu_{11}\mu_{02}\mu_{21}^2\mu_{22} + 7\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{31} \\
& -\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{40} - 2\mu_{11}\mu_{02}\mu_{12}^2\mu_{40} - \mu_{02}^2\mu_{30}^2\mu_{13} + 3\mu_{02}^2\mu_{30}\mu_{21}\mu_{22} \\
& -\mu_{02}^2\mu_{30}\mu_{12}\mu_{31} - 2\mu_{02}^2\mu_{21}^2\mu_{31} + \mu_{02}^2\mu_{21}\mu_{12}\mu_{40})/\mu_{00}^{12}
\end{aligned}
$$

weight=7

structure: 2,2,1

Generating graph:

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 |



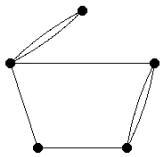
$$
\begin{aligned}
I_{18} \;=\; & (\mu_{20}^2\mu_{30}\mu_{03}\mu_{04} - \mu_{20}^2\mu_{21}\mu_{12}\mu_{04} - 2\mu_{20}^2\mu_{21}\mu_{03}\mu_{13} + 2\mu_{20}^2\mu_{12}^2\mu_{13} \\
& -2\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{04} - 2\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{13} + 2\mu_{20}\mu_{11}\mu_{21}^2\mu_{04} \\
& +2\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{13} + 6\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{22} - 6\mu_{20}\mu_{11}\mu_{12}^2\mu_{22} \\
& +2\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{13} - 2\mu_{20}\mu_{02}\mu_{21}^2\mu_{13} - 2\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{31} \\
& +2\mu_{20}\mu_{02}\mu_{12}^2\mu_{31} + 4\mu_{11}^2\mu_{30}\mu_{12}\mu_{13} - 4\mu_{11}^2\mu_{21}^2\mu_{13} - 4\mu_{11}^2\mu_{21}\mu_{03}\mu_{31} \\
& +4\mu_{11}^2\mu_{12}^2\mu_{31} - 6\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{22} + 2\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{31} \\
& +6\mu_{11}\mu_{02}\mu_{21}^2\mu_{22} - 2\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{31} + 2\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{40} \\
& -2\mu_{11}\mu_{02}\mu_{12}^2\mu_{40} + 2\mu_{02}^2\mu_{30}\mu_{12}\mu_{31} - \mu_{02}^2\mu_{30}\mu_{03}\mu_{40} - 2\mu_{02}^2\mu_{21}^2\mu_{31} \\
& +\mu_{02}^2\mu_{21}\mu_{12}\mu_{40})/\mu_{00}^{12}
\end{aligned}
$$

weight=7

structure: 2,2,1

Generating graph:

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 3 | 4 | 4 | 5 | 5 | 5 |



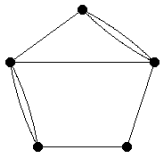
$$
\begin{aligned}
I_{19} \;=\; & (2\mu_{20}\mu_{30}\mu_{12}\mu_{22}\mu_{04} - 2\mu_{20}\mu_{30}\mu_{12}\mu_{13}^2 - \mu_{20}\mu_{30}\mu_{03}\mu_{31}\mu_{04} \\
& +\mu_{20}\mu_{30}\mu_{03}\mu_{22}\mu_{13} - \mu_{20}\mu_{21}^2\mu_{22}\mu_{04} + \mu_{20}\mu_{21}^2\mu_{13}^2 \\
& -\mu_{20}\mu_{21}\mu_{12}\mu_{31}\mu_{04} + \mu_{20}\mu_{21}\mu_{12}\mu_{22}\mu_{13} + \mu_{20}\mu_{21}\mu_{03}\mu_{40}\mu_{04} \\
& -\mu_{20}\mu_{21}\mu_{03}\mu_{22}^2 + 2\mu_{20}\mu_{12}^2\mu_{31}\mu_{13} - 2\mu_{20}\mu_{12}^2\mu_{22}^2 - 2\mu_{20}\mu_{12}\mu_{03}\mu_{40}\mu_{13} \\
& +2\mu_{20}\mu_{12}\mu_{03}\mu_{31}\mu_{22} + \mu_{20}\mu_{03}^2\mu_{40}\mu_{22} - \mu_{20}\mu_{03}^2\mu_{31}^2 \\
& -2\mu_{11}\mu_{30}\mu_{21}\mu_{22}\mu_{04} + 2\mu_{11}\mu_{30}\mu_{21}\mu_{13}^2 + 2\mu_{11}\mu_{30}\mu_{03}\mu_{31}\mu_{13} \\
& -2\mu_{11}\mu_{30}\mu_{03}\mu_{22}^2 + 4\mu_{11}\mu_{21}^2\mu_{31}\mu_{04} - 4\mu_{11}\mu_{21}^2\mu_{22}\mu_{13} \\
& -2\mu_{11}\mu_{21}\mu_{12}\mu_{40}\mu_{04} - 6\mu_{11}\mu_{21}\mu_{12}\mu_{31}\mu_{13} + 8\mu_{11}\mu_{21}\mu_{12}\mu_{22}^2 \\
& +4\mu_{11}\mu_{12}^2\mu_{40}\mu_{13} - 4\mu_{11}\mu_{12}^2\mu_{31}\mu_{22} - 2\mu_{11}\mu_{12}\mu_{03}\mu_{40}\mu_{22} \\
& +2\mu_{11}\mu_{12}\mu_{03}\mu_{31}^2 + \mu_{02}\mu_{30}^2\mu_{22}\mu_{04} - \mu_{02}\mu_{30}^2\mu_{13}^2 - 2\mu_{02}\mu_{30}\mu_{21}\mu_{31}\mu_{04} \\
& +2\mu_{02}\mu_{30}\mu_{21}\mu_{22}\mu_{13} + \mu_{02}\mu_{30}\mu_{12}\mu_{40}\mu_{04} - \mu_{02}\mu_{30}\mu_{12}\mu_{22}^2 \\
& -\mu_{02}\mu_{30}\mu_{03}\mu_{40}\mu_{13} + \mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{22} + 2\mu_{02}\mu_{21}^2\mu_{31}\mu_{13} \\
& -2\mu_{02}\mu_{21}^2\mu_{22}^2 - \mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{13} + \mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{22} \\
& +2\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{22} - 2\mu_{02}\mu_{21}\mu_{03}\mu_{31}^2 - \mu_{02}\mu_{12}^2\mu_{40}\mu_{22} + \mu_{02}\mu_{12}^2\mu_{31}^2)/\mu_{00}^{13}
\end{aligned}
$$

weight=8

structure: 1,2,2

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |



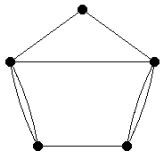
$$
\begin{aligned}
I_{20} \;=\; & (2\mu_{20}\mu_{30}\mu_{12}\mu_{22}\mu_{04} - 2\mu_{20}\mu_{30}\mu_{12}\mu_{13}^2 - \mu_{20}\mu_{30}\mu_{03}\mu_{31}\mu_{04} \\
& +\mu_{20}\mu_{30}\mu_{03}\mu_{22}\mu_{13} - 2\mu_{20}\mu_{21}^2\mu_{22}\mu_{04} + 2\mu_{20}\mu_{21}^2\mu_{13}^2 \\
& +\mu_{20}\mu_{21}\mu_{12}\mu_{31}\mu_{04} - \mu_{20}\mu_{21}\mu_{12}\mu_{22}\mu_{13} + 2\mu_{20}\mu_{21}\mu_{03}\mu_{31}\mu_{13} \\
& -2\mu_{20}\mu_{21}\mu_{03}\mu_{22}^2 - 2\mu_{20}\mu_{12}^2\mu_{31}\mu_{13} + 2\mu_{20}\mu_{12}^2\mu_{22}^2 - 2\mu_{11}\mu_{30}\mu_{12}\mu_{31}\mu_{04} \\
& +2\mu_{11}\mu_{30}\mu_{12}\mu_{22}\mu_{13} + \mu_{11}\mu_{30}\mu_{03}\mu_{40}\mu_{04} - \mu_{11}\mu_{30}\mu_{03}\mu_{22}^2 \\
& +2\mu_{11}\mu_{21}^2\mu_{31}\mu_{04} - 2\mu_{11}\mu_{21}^2\mu_{22}\mu_{13} - \mu_{11}\mu_{21}\mu_{12}\mu_{40}\mu_{04} \\
& +\mu_{11}\mu_{21}\mu_{12}\mu_{22}^2 - 2\mu_{11}\mu_{21}\mu_{03}\mu_{40}\mu_{13} + 2\mu_{11}\mu_{21}\mu_{03}\mu_{31}\mu_{22} \\
& +2\mu_{11}\mu_{12}^2\mu_{40}\mu_{13} - 2\mu_{11}\mu_{12}^2\mu_{31}\mu_{22} + 2\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{13} \\
& -2\mu_{02}\mu_{30}\mu_{12}\mu_{22}^2 - \mu_{02}\mu_{30}\mu_{03}\mu_{40}\mu_{13} + \mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{22} \\
& -2\mu_{02}\mu_{21}^2\mu_{31}\mu_{13} + 2\mu_{02}\mu_{21}^2\mu_{22}^2 + \mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{13} \\
& -\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{22} + 2\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{22} - 2\mu_{02}\mu_{21}\mu_{03}\mu_{31}^2 \\
& -2\mu_{02}\mu_{12}^2\mu_{40}\mu_{22} + 2\mu_{02}\mu_{12}^2\mu_{31}^2)/\mu_{00}^{13}
\end{aligned}
$$

weight=8

structure: 1,2,2

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



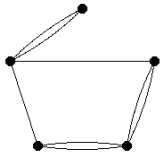
$$
\begin{aligned}
I_{21} \;=\; & (\mu_{20}\mu_{30}^2\mu_{04}^2 - 6\mu_{20}\mu_{30}\mu_{21}\mu_{13}\mu_{04} + 2\mu_{20}\mu_{30}\mu_{12}\mu_{22}\mu_{04} \\
& +4\mu_{20}\mu_{30}\mu_{12}\mu_{13}^2 - 2\mu_{20}\mu_{30}\mu_{03}\mu_{22}\mu_{13} + 5\mu_{20}\mu_{21}^2\mu_{22}\mu_{04} + 4\mu_{20}\mu_{21}^2\mu_{13}^2 \\
& -4\mu_{20}\mu_{21}\mu_{12}\mu_{31}\mu_{04} - 14\mu_{20}\mu_{21}\mu_{12}\mu_{22}\mu_{13} + 4\mu_{20}\mu_{21}\mu_{03}\mu_{31}\mu_{13} \\
& +2\mu_{20}\mu_{21}\mu_{03}\mu_{22}^2 + \mu_{20}\mu_{12}^2\mu_{40}\mu_{04} + 4\mu_{20}\mu_{12}^2\mu_{31}\mu_{13} + 4\mu_{20}\mu_{12}^2\mu_{22}^2 \\
& -2\mu_{20}\mu_{12}\mu_{03}\mu_{40}\mu_{13} - 4\mu_{20}\mu_{12}\mu_{03}\mu_{31}\mu_{22} + \mu_{20}\mu_{03}^2\mu_{40}\mu_{22} \\
& -2\mu_{11}\mu_{30}^2\mu_{13}\mu_{04} + 4\mu_{11}\mu_{30}\mu_{21}\mu_{22}\mu_{04} + 8\mu_{11}\mu_{30}\mu_{21}\mu_{13}^2 \\
& -12\mu_{11}\mu_{30}\mu_{12}\mu_{22}\mu_{13} + 4\mu_{11}\mu_{30}\mu_{03}\mu_{22}^2 - 2\mu_{11}\mu_{21}^2\mu_{31}\mu_{04} \\
& -16\mu_{11}\mu_{21}^2\mu_{22}\mu_{13} + 16\mu_{11}\mu_{21}\mu_{12}\mu_{31}\mu_{13} + 20\mu_{11}\mu_{21}\mu_{12}\mu_{22}^2 \\
& -12\mu_{11}\mu_{21}\mu_{03}\mu_{31}\mu_{22} - 2\mu_{11}\mu_{12}^2\mu_{40}\mu_{13} - 16\mu_{11}\mu_{12}^2\mu_{31}\mu_{22} \\
& +4\mu_{11}\mu_{12}\mu_{03}\mu_{40}\mu_{22} + 8\mu_{11}\mu_{12}\mu_{03}\mu_{31}^2 - 2\mu_{11}\mu_{03}^2\mu_{40}\mu_{31} \\
& +\mu_{02}\mu_{30}^2\mu_{22}\mu_{04} - 2\mu_{02}\mu_{30}\mu_{21}\mu_{31}\mu_{04} - 4\mu_{02}\mu_{30}\mu_{21}\mu_{22}\mu_{13} \\
& +4\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{13} + 2\mu_{02}\mu_{30}\mu_{12}\mu_{22}^2 - 2\mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{22} \\
& +\mu_{02}\mu_{21}^2\mu_{40}\mu_{04} + 4\mu_{02}\mu_{21}^2\mu_{31}\mu_{13} + 4\mu_{02}\mu_{21}^2\mu_{22}^2 - 4\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{13} \\
& -14\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{22} + 2\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{22} + 4\mu_{02}\mu_{21}\mu_{03}\mu_{31}^2 \\
& +5\mu_{02}\mu_{12}^2\mu_{40}\mu_{22} + 4\mu_{02}\mu_{12}^2\mu_{31}^2 - 6\mu_{02}\mu_{12}\mu_{03}\mu_{40}\mu_{31} + \mu_{02}\mu_{03}^2\mu_{40}^2)/\mu_{00}^{13}
\end{aligned}
$$

weight=8

structure: 1,2,2

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 |
| 2 | 3 | 4 | 4 | 5 | 5 | 5 | 5 |



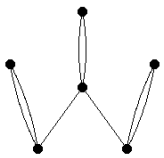
$$
\begin{aligned}
I_{22} \;=\; & (\mu_{20}^3\mu_{12}^2\mu_{04} - 2\mu_{20}^3\mu_{12}\mu_{03}\mu_{13} + \mu_{20}^3\mu_{03}^2\mu_{22} - 4\mu_{20}^2\mu_{11}\mu_{21}\mu_{12}\mu_{04} \\
& +4\mu_{20}^2\mu_{11}\mu_{21}\mu_{03}\mu_{13} + 2\mu_{20}^2\mu_{11}\mu_{12}^2\mu_{13} - 2\mu_{20}^2\mu_{11}\mu_{03}^2\mu_{31} \\
& +2\mu_{20}^2\mu_{02}\mu_{30}\mu_{12}\mu_{04} - 2\mu_{20}^2\mu_{02}\mu_{30}\mu_{03}\mu_{13} - 2\mu_{20}^2\mu_{02}\mu_{21}\mu_{12}\mu_{13} \\
& +2\mu_{20}^2\mu_{02}\mu_{21}\mu_{03}\mu_{22} + \mu_{20}^2\mu_{02}\mu_{12}^2\mu_{22} - 2\mu_{20}^2\mu_{02}\mu_{12}\mu_{03}\mu_{31} \\
& +\mu_{20}^2\mu_{02}\mu_{03}^2\mu_{40} + 4\mu_{20}\mu_{11}^2\mu_{21}^2\mu_{04} - 8\mu_{20}\mu_{11}^2\mu_{21}\mu_{03}\mu_{22} \\
& -4\mu_{20}\mu_{11}^2\mu_{12}^2\mu_{22} + 8\mu_{20}\mu_{11}^2\mu_{12}\mu_{03}\mu_{31} - 4\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{04} \\
& +4\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{22} + 4\mu_{20}\mu_{11}\mu_{02}\mu_{21}^2\mu_{13} \\
& -4\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{22} + 4\mu_{20}\mu_{11}\mu_{02}\mu_{12}^2\mu_{31} \\
& -4\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{40} + \mu_{20}\mu_{02}^2\mu_{30}^2\mu_{04} - 2\mu_{20}\mu_{02}^2\mu_{30}\mu_{21}\mu_{13} \\
& +2\mu_{20}\mu_{02}^2\mu_{30}\mu_{12}\mu_{22} - 2\mu_{20}\mu_{02}^2\mu_{30}\mu_{03}\mu_{31} + \mu_{20}\mu_{02}^2\mu_{21}^2\mu_{22} \\
& -2\mu_{20}\mu_{02}^2\mu_{21}\mu_{12}\mu_{31} + 2\mu_{20}\mu_{02}^2\mu_{21}\mu_{03}\mu_{40} - 8\mu_{11}^3\mu_{21}^2\mu_{13} \\
& +16\mu_{11}^3\mu_{21}\mu_{12}\mu_{22} - 8\mu_{11}^3\mu_{12}^2\mu_{31} + 8\mu_{11}^2\mu_{02}\mu_{30}\mu_{21}\mu_{13} \\
& -8\mu_{11}^2\mu_{02}\mu_{30}\mu_{12}\mu_{22} - 4\mu_{11}^2\mu_{02}\mu_{21}^2\mu_{22} + 4\mu_{11}^2\mu_{02}\mu_{12}^2\mu_{40} \\
& -2\mu_{11}\mu_{02}^2\mu_{30}^2\mu_{13} + 4\mu_{11}\mu_{02}^2\mu_{30}\mu_{12}\mu_{31} + 2\mu_{11}\mu_{02}^2\mu_{21}^2\mu_{31} \\
& -4\mu_{11}\mu_{02}^2\mu_{21}\mu_{12}\mu_{40} + \mu_{02}^3\mu_{30}^2\mu_{22} - 2\mu_{02}^3\mu_{30}\mu_{21}\mu_{31} + \mu_{02}^3\mu_{21}^2\mu_{40})/\mu_{00}^{14}
\end{aligned}
$$

weight=8

structure: 3,2,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 |
| 2 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |



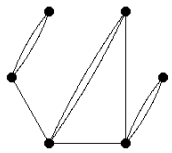
$$
\begin{aligned}
I_{23} \;=\; & (-\mu_{20}^2\mu_{30}\mu_{03}\mu_{22}\mu_{04} + \mu_{20}^2\mu_{30}\mu_{03}\mu_{13}^2 - \mu_{20}^2\mu_{21}\mu_{12}\mu_{22}\mu_{04} \\
& +\mu_{20}^2\mu_{21}\mu_{12}\mu_{13}^2 + 2\mu_{20}^2\mu_{21}\mu_{03}\mu_{31}\mu_{04} - 2\mu_{20}^2\mu_{21}\mu_{03}\mu_{22}\mu_{13} \\
& +\mu_{20}^2\mu_{12}^2\mu_{31}\mu_{04} - \mu_{20}^2\mu_{12}^2\mu_{22}\mu_{13} - \mu_{20}^2\mu_{12}\mu_{03}\mu_{40}\mu_{04} \\
& -2\mu_{20}^2\mu_{12}\mu_{03}\mu_{31}\mu_{13} + 3\mu_{20}^2\mu_{12}\mu_{03}\mu_{22}^2 + \mu_{20}^2\mu_{03}^2\mu_{40}\mu_{13} \\
& -\mu_{20}^2\mu_{03}^2\mu_{31}\mu_{22} + 4\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{22}\mu_{04} - 4\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{13}^2 \\
& +2\mu_{20}\mu_{11}\mu_{21}^2\mu_{22}\mu_{04} - 2\mu_{20}\mu_{11}\mu_{21}^2\mu_{13}^2 - 8\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{31}\mu_{04} \\
& +8\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{22}\mu_{13} + 2\mu_{20}\mu_{11}\mu_{12}^2\mu_{40}\mu_{04} + 4\mu_{20}\mu_{11}\mu_{12}^2\mu_{31}\mu_{13} \\
& -6\mu_{20}\mu_{11}\mu_{12}^2\mu_{22}^2 - 2\mu_{20}\mu_{11}\mu_{03}^2\mu_{40}\mu_{22} + 2\mu_{20}\mu_{11}\mu_{03}^2\mu_{31}^2 \\
& -2\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{22}\mu_{04} + 2\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{13}^2 + 2\mu_{20}\mu_{02}\mu_{21}^2\mu_{31}\mu_{04} \\
& -2\mu_{20}\mu_{02}\mu_{21}^2\mu_{22}\mu_{13} - 2\mu_{20}\mu_{02}\mu_{12}^2\mu_{40}\mu_{13} + 2\mu_{20}\mu_{02}\mu_{12}^2\mu_{31}\mu_{22} \\
& +2\mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{40}\mu_{22} - 2\mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{31}^2 - 4\mu_{11}^2\mu_{30}\mu_{21}\mu_{22}\mu_{04} \\
& +4\mu_{11}^2\mu_{30}\mu_{21}\mu_{13}^2 + 4\mu_{11}^2\mu_{21}^2\mu_{31}\mu_{04} - 4\mu_{11}^2\mu_{21}^2\mu_{22}\mu_{13} - 4\mu_{11}^2\mu_{12}^2\mu_{40}\mu_{13} \\
& +4\mu_{11}^2\mu_{12}^2\mu_{31}\mu_{22} + 4\mu_{11}^2\mu_{12}\mu_{03}\mu_{40}\mu_{22} - 4\mu_{11}^2\mu_{12}\mu_{03}\mu_{31}^2 \\
& +2\mu_{11}\mu_{02}\mu_{30}^2\mu_{22}\mu_{04} - 2\mu_{11}\mu_{02}\mu_{30}^2\mu_{13}^2 - 2\mu_{11}\mu_{02}\mu_{21}^2\mu_{40}\mu_{04} \\
& -4\mu_{11}\mu_{02}\mu_{21}^2\mu_{31}\mu_{13} + 6\mu_{11}\mu_{02}\mu_{21}^2\mu_{22}^2 + 8\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{13} \\
& -8\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{22} - 4\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{22} \\
& +4\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{31}^2 - 2\mu_{11}\mu_{02}\mu_{12}^2\mu_{40}\mu_{22} + 2\mu_{11}\mu_{02}\mu_{12}^2\mu_{31}^2 \\
& -\mu_{02}^2\mu_{30}^2\mu_{31}\mu_{04} + \mu_{02}^2\mu_{30}^2\mu_{22}\mu_{13} + \mu_{02}^2\mu_{30}\mu_{21}\mu_{40}\mu_{04} \\
& +2\mu_{02}^2\mu_{30}\mu_{21}\mu_{31}\mu_{13} - 3\mu_{02}^2\mu_{30}\mu_{21}\mu_{22}^2 - 2\mu_{02}^2\mu_{30}\mu_{12}\mu_{40}\mu_{13} \\
& +2\mu_{02}^2\mu_{30}\mu_{12}\mu_{31}\mu_{22} + \mu_{02}^2\mu_{30}\mu_{03}\mu_{40}\mu_{22} - \mu_{02}^2\mu_{30}\mu_{03}\mu_{31}^2 \\
& -\mu_{02}^2\mu_{21}^2\mu_{40}\mu_{13} + \mu_{02}^2\mu_{21}^2\mu_{31}\mu_{22} + \mu_{02}^2\mu_{21}\mu_{12}\mu_{40}\mu_{22} \\
& -\mu_{02}^2\mu_{21}\mu_{12}\mu_{31}^2)/\mu_{00}^{15}
\end{aligned}
$$

weight=9

structure: 2,2,2

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| 2 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 |



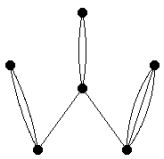
$$
\begin{aligned}
I_{24} \;=\; & (-\mu_{20}^2\mu_{30}\mu_{03}\mu_{22}\mu_{04} + \mu_{20}^2\mu_{30}\mu_{03}\mu_{13}^2 + 3\mu_{20}^2\mu_{21}\mu_{12}\mu_{22}\mu_{04} \\
& -3\mu_{20}^2\mu_{21}\mu_{12}\mu_{13}^2 - 3\mu_{20}^2\mu_{12}^2\mu_{31}\mu_{04} + 3\mu_{20}^2\mu_{12}^2\mu_{22}\mu_{13} \\
& +\mu_{20}^2\mu_{12}\mu_{03}\mu_{40}\mu_{04} + 2\mu_{20}^2\mu_{12}\mu_{03}\mu_{31}\mu_{13} - 3\mu_{20}^2\mu_{12}\mu_{03}\mu_{22}^2 \\
& -\mu_{20}^2\mu_{03}^2\mu_{40}\mu_{13} + \mu_{20}^2\mu_{03}^2\mu_{31}\mu_{22} + 2\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{31}\mu_{04} \\
& -2\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{22}\mu_{13} - 6\mu_{20}\mu_{11}\mu_{21}^2\mu_{22}\mu_{04} + 6\mu_{20}\mu_{11}\mu_{21}^2\mu_{13}^2 \\
& +6\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{31}\mu_{04} - 6\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{22}\mu_{13} \\
& -2\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{40}\mu_{04} - 4\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{31}\mu_{13} \\
& +6\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{22}^2 + 2\mu_{20}\mu_{11}\mu_{03}^2\mu_{40}\mu_{22} - 2\mu_{20}\mu_{11}\mu_{03}^2\mu_{31}^2 \\
& +2\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{22}\mu_{04} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{13}^2 \\
& -2\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{04} + 2\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{22}\mu_{13} \\
& +2\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{13} - 2\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{22} \\
& -2\mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{40}\mu_{22} + 2\mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{31}^2 + 4\mu_{11}^2\mu_{30}\mu_{21}\mu_{22}\mu_{04} \\
& -4\mu_{11}^2\mu_{30}\mu_{21}\mu_{13}^2 - 4\mu_{11}^2\mu_{30}\mu_{12}\mu_{31}\mu_{04} + 4\mu_{11}^2\mu_{30}\mu_{12}\mu_{22}\mu_{13} \\
& +4\mu_{11}^2\mu_{21}\mu_{03}\mu_{40}\mu_{13} - 4\mu_{11}^2\mu_{21}\mu_{03}\mu_{31}\mu_{22} - 4\mu_{11}^2\mu_{12}\mu_{03}\mu_{40}\mu_{22} \\
& +4\mu_{11}^2\mu_{12}\mu_{03}\mu_{31}^2 - 2\mu_{11}\mu_{02}\mu_{30}^2\mu_{22}\mu_{04} + 2\mu_{11}\mu_{02}\mu_{30}^2\mu_{13}^2 \\
& +2\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{40}\mu_{04} + 4\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{13} \\
& -6\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{22}^2 - 2\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{40}\mu_{13} \\
& +2\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{22} - 6\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{13} \\
& +6\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{22} + 6\mu_{11}\mu_{02}\mu_{12}^2\mu_{40}\mu_{22} - 6\mu_{11}\mu_{02}\mu_{12}^2\mu_{31}^2 \\
& +\mu_{02}^2\mu_{30}^2\mu_{31}\mu_{04} - \mu_{02}^2\mu_{30}^2\mu_{22}\mu_{13} - \mu_{02}^2\mu_{30}\mu_{21}\mu_{40}\mu_{04} \\
& -2\mu_{02}^2\mu_{30}\mu_{21}\mu_{31}\mu_{13} + 3\mu_{02}^2\mu_{30}\mu_{21}\mu_{22}^2 + \mu_{02}^2\mu_{30}\mu_{03}\mu_{40}\mu_{22} \\
& -\mu_{02}^2\mu_{30}\mu_{03}\mu_{31}^2 + 3\mu_{02}^2\mu_{21}^2\mu_{40}\mu_{13} - 3\mu_{02}^2\mu_{21}^2\mu_{31}\mu_{22} \\
& -3\mu_{02}^2\mu_{21}\mu_{12}\mu_{40}\mu_{22} + 3\mu_{02}^2\mu_{21}\mu_{12}\mu_{31}^2)/\mu_{00}^{15}
\end{aligned}
$$

weight=9

structure: 2,2,2

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| 2 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |



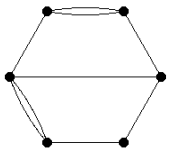
$$
\begin{aligned}
I_{25} \;=\; & (\mu_{20}\mu_{30}\mu_{21}^2\mu_{03}\mu_{04} - 2\mu_{20}\mu_{30}\mu_{21}\mu_{12}^2\mu_{04} + 4\mu_{20}\mu_{30}\mu_{12}^3\mu_{13} \\
& -6\mu_{20}\mu_{30}\mu_{12}^2\mu_{03}\mu_{22} + 4\mu_{20}\mu_{30}\mu_{12}\mu_{03}^2\mu_{31} - \mu_{20}\mu_{30}\mu_{03}^3\mu_{40} \\
& +\mu_{20}\mu_{21}^3\mu_{12}\mu_{04} - 4\mu_{20}\mu_{21}^3\mu_{03}\mu_{13} + 12\mu_{20}\mu_{21}^2\mu_{12}\mu_{03}\mu_{22} \\
& -4\mu_{20}\mu_{21}^2\mu_{03}^2\mu_{31} - 6\mu_{20}\mu_{21}\mu_{12}^3\mu_{22} - 4\mu_{20}\mu_{21}\mu_{12}^2\mu_{03}\mu_{31} \\
& +3\mu_{20}\mu_{21}\mu_{12}\mu_{03}^2\mu_{40} + 4\mu_{20}\mu_{12}^4\mu_{31} - 2\mu_{20}\mu_{12}^3\mu_{03}\mu_{40} \\
& -2\mu_{11}\mu_{30}^2\mu_{21}\mu_{03}\mu_{04} + 2\mu_{11}\mu_{30}^2\mu_{12}^2\mu_{04} + 2\mu_{11}\mu_{30}\mu_{21}^2\mu_{12}\mu_{04} \\
& +8\mu_{11}\mu_{30}\mu_{21}^2\mu_{03}\mu_{13} - 16\mu_{11}\mu_{30}\mu_{21}\mu_{12}^2\mu_{13} + 12\mu_{11}\mu_{30}\mu_{12}^3\mu_{22} \\
& -8\mu_{11}\mu_{30}\mu_{12}^2\mu_{03}\mu_{31} + 2\mu_{11}\mu_{30}\mu_{12}\mu_{03}^2\mu_{40} - 2\mu_{11}\mu_{21}^4\mu_{04} \\
& +8\mu_{11}\mu_{21}^3\mu_{12}\mu_{13} - 12\mu_{11}\mu_{21}^3\mu_{03}\mu_{22} + 16\mu_{11}\mu_{21}^2\mu_{12}\mu_{03}\mu_{31} \\
& -2\mu_{11}\mu_{21}^2\mu_{03}^2\mu_{40} - 8\mu_{11}\mu_{21}\mu_{12}^3\mu_{31} - 2\mu_{11}\mu_{21}\mu_{12}^2\mu_{03}\mu_{40} + 2\mu_{11}\mu_{12}^4\mu_{40} \\
& +\mu_{02}\mu_{30}^3\mu_{03}\mu_{04} - 3\mu_{02}\mu_{30}^2\mu_{21}\mu_{12}\mu_{04} - 4\mu_{02}\mu_{30}^2\mu_{21}\mu_{03}\mu_{13} \\
& +4\mu_{02}\mu_{30}^2\mu_{12}^2\mu_{13} + 2\mu_{02}\mu_{30}\mu_{21}^3\mu_{04} + 4\mu_{02}\mu_{30}\mu_{21}^2\mu_{12}\mu_{13} \\
& +6\mu_{02}\mu_{30}\mu_{21}^2\mu_{03}\mu_{22} - 12\mu_{02}\mu_{30}\mu_{21}\mu_{12}^2\mu_{22} + 4\mu_{02}\mu_{30}\mu_{12}^3\mu_{31} \\
& -\mu_{02}\mu_{30}\mu_{12}^2\mu_{03}\mu_{40} - 4\mu_{02}\mu_{21}^4\mu_{13} + 6\mu_{02}\mu_{21}^3\mu_{12}\mu_{22} - 4\mu_{02}\mu_{21}^3\mu_{03}\mu_{31} \\
& +2\mu_{02}\mu_{21}^2\mu_{12}\mu_{03}\mu_{40} - \mu_{02}\mu_{21}\mu_{12}^3\mu_{40})/\mu_{00}^{15}
\end{aligned}
$$

weight=9

structure: 1,4,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 |
| 2 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |



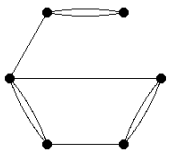
$$
\begin{aligned}
I_{26} \;=\; & (\mu_{20}\mu_{30}^2\mu_{12}\mu_{03}\mu_{04} - \mu_{20}\mu_{30}^2\mu_{03}^2\mu_{13} - 3\mu_{20}\mu_{30}\mu_{21}\mu_{12}^2\mu_{04} \\
& +3\mu_{20}\mu_{30}\mu_{21}\mu_{03}^2\mu_{22} + 6\mu_{20}\mu_{30}\mu_{12}^3\mu_{13} - 9\mu_{20}\mu_{30}\mu_{12}^2\mu_{03}\mu_{22} \\
& +4\mu_{20}\mu_{30}\mu_{12}\mu_{03}^2\mu_{31} - \mu_{20}\mu_{30}\mu_{03}^3\mu_{40} + 2\mu_{20}\mu_{21}^3\mu_{12}\mu_{04} \\
& -2\mu_{20}\mu_{21}^3\mu_{03}\mu_{13} - 3\mu_{20}\mu_{21}^2\mu_{12}^2\mu_{13} + 9\mu_{20}\mu_{21}^2\mu_{12}\mu_{03}\mu_{22} \\
& -6\mu_{20}\mu_{21}^2\mu_{03}^2\mu_{31} - 3\mu_{20}\mu_{21}\mu_{12}^3\mu_{22} + 3\mu_{20}\mu_{21}\mu_{12}\mu_{03}^2\mu_{40} + 2\mu_{20}\mu_{12}^4\mu_{31} \\
& -2\mu_{20}\mu_{12}^3\mu_{03}\mu_{40} - 2\mu_{11}\mu_{30}^2\mu_{21}\mu_{03}\mu_{04} + 2\mu_{11}\mu_{30}^2\mu_{12}\mu_{03}\mu_{13} \\
& +6\mu_{11}\mu_{30}\mu_{21}^2\mu_{12}\mu_{04} + 6\mu_{11}\mu_{30}\mu_{21}^2\mu_{03}\mu_{13} - 18\mu_{11}\mu_{30}\mu_{21}\mu_{12}^2\mu_{13} \\
& -2\mu_{11}\mu_{30}\mu_{21}\mu_{03}^2\mu_{31} + 12\mu_{11}\mu_{30}\mu_{12}^3\mu_{22} - 6\mu_{11}\mu_{30}\mu_{12}^2\mu_{03}\mu_{31} \\
& +2\mu_{11}\mu_{30}\mu_{12}\mu_{03}^2\mu_{40} - 4\mu_{11}\mu_{21}^4\mu_{04} + 10\mu_{11}\mu_{21}^3\mu_{12}\mu_{13} - 12\mu_{11}\mu_{21}^3\mu_{03}\mu_{22} \\
& +18\mu_{11}\mu_{21}^2\mu_{12}\mu_{03}\mu_{31} - 10\mu_{11}\mu_{21}\mu_{12}^3\mu_{31} - 6\mu_{11}\mu_{21}\mu_{12}^2\mu_{03}\mu_{40} \\
& +4\mu_{11}\mu_{12}^4\mu_{40} + \mu_{02}\mu_{30}^3\mu_{03}\mu_{04} - 3\mu_{02}\mu_{30}^2\mu_{21}\mu_{12}\mu_{04} \\
& -4\mu_{02}\mu_{30}^2\mu_{21}\mu_{03}\mu_{13} + 6\mu_{02}\mu_{30}^2\mu_{12}^2\mu_{13} - 3\mu_{02}\mu_{30}^2\mu_{12}\mu_{03}\mu_{22} \\
& +\mu_{02}\mu_{30}^2\mu_{03}^2\mu_{31} + 2\mu_{02}\mu_{30}\mu_{21}^3\mu_{04} + 9\mu_{02}\mu_{30}\mu_{21}^2\mu_{03}\mu_{22} \\
& -9\mu_{02}\mu_{30}\mu_{21}\mu_{12}^2\mu_{22} - \mu_{02}\mu_{30}\mu_{21}\mu_{03}^2\mu_{40} + 2\mu_{02}\mu_{30}\mu_{12}^3\mu_{31} \\
& -2\mu_{02}\mu_{21}^4\mu_{13} + 3\mu_{02}\mu_{21}^3\mu_{12}\mu_{22} - 6\mu_{02}\mu_{21}^3\mu_{03}\mu_{31} + 3\mu_{02}\mu_{21}^2\mu_{12}^2\mu_{31} \\
& +3\mu_{02}\mu_{21}^2\mu_{12}\mu_{03}\mu_{40} - 2\mu_{02}\mu_{21}\mu_{12}^3\mu_{40})/\mu_{00}^{15}
\end{aligned}
$$

weight=9

structure: 1,4,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 |
| 2 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 6 |



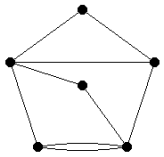
$$
\begin{aligned}
I_{27} \;=\; & (-\mu_{20}^2\mu_{30}\mu_{21}\mu_{04}^2 + 2\mu_{20}^2\mu_{30}\mu_{12}\mu_{13}\mu_{04} - \mu_{20}^2\mu_{30}\mu_{03}\mu_{13}^2 \\
& +3\mu_{20}^2\mu_{21}^2\mu_{13}\mu_{04} - 4\mu_{20}^2\mu_{21}\mu_{12}\mu_{22}\mu_{04} - 5\mu_{20}^2\mu_{21}\mu_{12}\mu_{13}^2 \\
& +4\mu_{20}^2\mu_{21}\mu_{03}\mu_{22}\mu_{13} + \mu_{20}^2\mu_{12}^2\mu_{31}\mu_{04} + 5\mu_{20}^2\mu_{12}^2\mu_{22}\mu_{13} \\
& -2\mu_{20}^2\mu_{12}\mu_{03}\mu_{31}\mu_{13} - 3\mu_{20}^2\mu_{12}\mu_{03}\mu_{22}^2 + \mu_{20}^2\mu_{03}^2\mu_{31}\mu_{22} \\
& +\mu_{20}\mu_{11}\mu_{30}^2\mu_{04}^2 - 2\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{13}\mu_{04} - 2\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{22}\mu_{04} \\
& +2\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{22}\mu_{13} - \mu_{20}\mu_{11}\mu_{21}^2\mu_{22}\mu_{04} - 2\mu_{20}\mu_{11}\mu_{21}^2\mu_{13}^2 \\
& +4\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{31}\mu_{04} + 14\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{22}\mu_{13} \\
& -4\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{31}\mu_{13} - 6\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{22}^2 - \mu_{20}\mu_{11}\mu_{12}^2\mu_{40}\mu_{04} \\
& -8\mu_{20}\mu_{11}\mu_{12}^2\mu_{31}\mu_{13} - 6\mu_{20}\mu_{11}\mu_{12}^2\mu_{22}^2 + 2\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{40}\mu_{13} \\
& +12\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{31}\mu_{22} - \mu_{20}\mu_{11}\mu_{03}^2\mu_{40}\mu_{22} - 2\mu_{20}\mu_{11}\mu_{03}^2\mu_{31}^2 \\
& -\mu_{20}\mu_{02}\mu_{30}^2\mu_{13}\mu_{04} + 2\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{22}\mu_{04} + 2\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{13}^2 \\
& -2\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{22}\mu_{13} - \mu_{20}\mu_{02}\mu_{21}^2\mu_{31}\mu_{04} - 2\mu_{20}\mu_{02}\mu_{21}^2\mu_{22}\mu_{13} \\
& +2\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{22} + \mu_{20}\mu_{02}\mu_{12}^2\mu_{40}\mu_{13} + 2\mu_{20}\mu_{02}\mu_{12}^2\mu_{31}\mu_{22} \\
& -2\mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{40}\mu_{22} - 2\mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{31}^2 + \mu_{20}\mu_{02}\mu_{03}^2\mu_{40}\mu_{31} \\
& -2\mu_{11}^2\mu_{30}^2\mu_{13}\mu_{04} + 4\mu_{11}^2\mu_{30}\mu_{21}\mu_{22}\mu_{04} + 4\mu_{11}^2\mu_{30}\mu_{21}\mu_{13}^2 \\
& -4\mu_{11}^2\mu_{30}\mu_{12}\mu_{22}\mu_{13} - 2\mu_{11}^2\mu_{21}^2\mu_{31}\mu_{04} - 4\mu_{11}^2\mu_{21}^2\mu_{22}\mu_{13} \\
& +4\mu_{11}^2\mu_{21}\mu_{03}\mu_{31}\mu_{22} + 2\mu_{11}^2\mu_{12}^2\mu_{40}\mu_{13} + 4\mu_{11}^2\mu_{12}^2\mu_{31}\mu_{22} \\
& -4\mu_{11}^2\mu_{12}\mu_{03}\mu_{40}\mu_{22} - 4\mu_{11}^2\mu_{12}\mu_{03}\mu_{31}^2 + 2\mu_{11}^2\mu_{03}^2\mu_{40}\mu_{31} \\
& +\mu_{11}\mu_{02}\mu_{30}^2\mu_{22}\mu_{04} + 2\mu_{11}\mu_{02}\mu_{30}^2\mu_{13}^2 - 2\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{31}\mu_{04} \\
& -12\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{22}\mu_{13} + 4\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{13} \\
& +6\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{22}^2 - 2\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{22} + \mu_{11}\mu_{02}\mu_{21}^2\mu_{40}\mu_{04} \\
& +8\mu_{11}\mu_{02}\mu_{21}^2\mu_{31}\mu_{13} + 6\mu_{11}\mu_{02}\mu_{21}^2\mu_{22}^2 - 4\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{13} \\
& -14\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{22} + 2\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{22} \\
& +\mu_{11}\mu_{02}\mu_{12}^2\mu_{40}\mu_{22} + 2\mu_{11}\mu_{02}\mu_{12}^2\mu_{31}^2 + 2\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{40}\mu_{31} \\
& -\mu_{11}\mu_{02}\mu_{03}^2\mu_{40}^2 - \mu_{02}^2\mu_{30}^2\mu_{22}\mu_{13} + 2\mu_{02}^2\mu_{30}\mu_{21}\mu_{31}\mu_{13} \\
& +3\mu_{02}^2\mu_{30}\mu_{21}\mu_{22}^2 - 4\mu_{02}^2\mu_{30}\mu_{12}\mu_{31}\mu_{22} + \mu_{02}^2\mu_{30}\mu_{03}\mu_{31}^2 \\
& -\mu_{02}^2\mu_{21}^2\mu_{40}\mu_{13} - 5\mu_{02}^2\mu_{21}^2\mu_{31}\mu_{22} + 4\mu_{02}^2\mu_{21}\mu_{12}\mu_{40}\mu_{22} \\
& +5\mu_{02}^2\mu_{21}\mu_{12}\mu_{31}^2 - 2\mu_{02}^2\mu_{21}\mu_{03}\mu_{40}\mu_{31} - 3\mu_{02}^2\mu_{12}^2\mu_{40}\mu_{31} \\
& +\mu_{02}^2\mu_{12}\mu_{03}\mu_{40}^2)/\mu_{00}^{15}
\end{aligned}
$$

weight=9

structure: 2,2,2

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 |
| 2 | 3 | 4 | 5 | 5 | 6 | 6 | 6 | 6 |



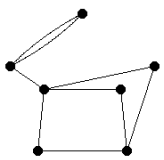
$$
\begin{aligned}
I_{28} \;=\; & (\mu_{20}^4\mu_{12}\mu_{03}\mu_{04} - \mu_{20}^4\mu_{03}^2\mu_{13} - 2\mu_{20}^3\mu_{11}\mu_{21}\mu_{03}\mu_{04} - 3\mu_{20}^3\mu_{11}\mu_{12}^2\mu_{04} \\
& +2\mu_{20}^3\mu_{11}\mu_{12}\mu_{03}\mu_{13} + 3\mu_{20}^3\mu_{11}\mu_{03}^2\mu_{22} + \mu_{20}^3\mu_{02}\mu_{30}\mu_{03}\mu_{04} \\
& -\mu_{20}^3\mu_{02}\mu_{21}\mu_{03}\mu_{13} + 3\mu_{20}^3\mu_{02}\mu_{12}^2\mu_{13} - 3\mu_{20}^3\mu_{02}\mu_{12}\mu_{03}\mu_{22} \\
& +9\mu_{20}^2\mu_{11}^2\mu_{21}\mu_{12}\mu_{04} + 3\mu_{20}^2\mu_{11}^2\mu_{21}\mu_{03}\mu_{13} - 9\mu_{20}^2\mu_{11}^2\mu_{12}\mu_{03}\mu_{22} \\
& -3\mu_{20}^2\mu_{11}^2\mu_{03}^2\mu_{31} - 3\mu_{20}^2\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{04} - 3\mu_{20}^2\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{13} \\
& -9\mu_{20}^2\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{13} + 9\mu_{20}^2\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{22} \\
& +6\mu_{20}^2\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{31} + 3\mu_{20}^2\mu_{02}^2\mu_{30}\mu_{12}\mu_{13} - 3\mu_{20}^2\mu_{02}^2\mu_{21}\mu_{03}\mu_{31} \\
& -\mu_{20}\mu_{11}^3\mu_{30}\mu_{12}\mu_{04} + \mu_{20}\mu_{11}^3\mu_{30}\mu_{03}\mu_{13} - 6\mu_{20}\mu_{11}^3\mu_{21}^2\mu_{04} \\
& -9\mu_{20}\mu_{11}^3\mu_{21}\mu_{12}\mu_{13} - 3\mu_{20}\mu_{11}^3\mu_{21}\mu_{03}\mu_{22} + 9\mu_{20}\mu_{11}^3\mu_{12}^2\mu_{22} \\
& +8\mu_{20}\mu_{11}^3\mu_{12}\mu_{03}\mu_{31} + \mu_{20}\mu_{11}^3\mu_{03}^2\mu_{40} + 3\mu_{20}\mu_{11}^2\mu_{02}\mu_{30}\mu_{21}\mu_{04} \\
& +9\mu_{20}\mu_{11}^2\mu_{02}\mu_{30}\mu_{12}\mu_{13} + 9\mu_{20}\mu_{11}^2\mu_{02}\mu_{21}^2\mu_{13} \\
& -9\mu_{20}\mu_{11}^2\mu_{02}\mu_{21}\mu_{03}\mu_{31} - 9\mu_{20}\mu_{11}^2\mu_{02}\mu_{12}^2\mu_{31} \\
& -3\mu_{20}\mu_{11}^2\mu_{02}\mu_{12}\mu_{03}\mu_{40} - 6\mu_{20}\mu_{11}\mu_{02}^2\mu_{30}\mu_{21}\mu_{13} \\
& -9\mu_{20}\mu_{11}\mu_{02}^2\mu_{30}\mu_{12}\mu_{22} + 3\mu_{20}\mu_{11}\mu_{02}^2\mu_{30}\mu_{03}\mu_{31} \\
& +9\mu_{20}\mu_{11}\mu_{02}^2\mu_{21}\mu_{12}\mu_{31} + 3\mu_{20}\mu_{11}\mu_{02}^2\mu_{21}\mu_{03}\mu_{40} \\
& +3\mu_{20}\mu_{02}^3\mu_{30}\mu_{21}\mu_{22} + \mu_{20}\mu_{02}^3\mu_{30}\mu_{12}\mu_{31} - \mu_{20}\mu_{02}^3\mu_{30}\mu_{03}\mu_{40} \\
& -3\mu_{20}\mu_{02}^3\mu_{21}^2\mu_{31} + 2\mu_{11}^4\mu_{30}\mu_{21}\mu_{04} - 2\mu_{11}^4\mu_{30}\mu_{12}\mu_{13} + 6\mu_{11}^4\mu_{21}^2\mu_{13} \\
& +2\mu_{11}^4\mu_{21}\mu_{03}\mu_{31} - 6\mu_{11}^4\mu_{12}^2\mu_{31} - 2\mu_{11}^4\mu_{12}\mu_{03}\mu_{40} - \mu_{11}^3\mu_{02}\mu_{30}^2\mu_{04} \\
& -8\mu_{11}^3\mu_{02}\mu_{30}\mu_{21}\mu_{13} + 3\mu_{11}^3\mu_{02}\mu_{30}\mu_{12}\mu_{22} - \mu_{11}^3\mu_{02}\mu_{30}\mu_{03}\mu_{31} \\
& -9\mu_{11}^3\mu_{02}\mu_{21}^2\mu_{22} + 9\mu_{11}^3\mu_{02}\mu_{21}\mu_{12}\mu_{31} + \mu_{11}^3\mu_{02}\mu_{21}\mu_{03}\mu_{40} \\
& +6\mu_{11}^3\mu_{02}\mu_{12}^2\mu_{40} + 3\mu_{11}^2\mu_{02}^2\mu_{30}^2\mu_{13} + 9\mu_{11}^2\mu_{02}^2\mu_{30}\mu_{21}\mu_{22} \\
& -3\mu_{11}^2\mu_{02}^2\mu_{30}\mu_{12}\mu_{31} - 9\mu_{11}^2\mu_{02}^2\mu_{21}\mu_{12}\mu_{40} - 3\mu_{11}\mu_{02}^3\mu_{30}^2\mu_{22} \\
& -2\mu_{11}\mu_{02}^3\mu_{30}\mu_{21}\mu_{31} + 2\mu_{11}\mu_{02}^3\mu_{30}\mu_{12}\mu_{40} + 3\mu_{11}\mu_{02}^3\mu_{21}^2\mu_{40} \\
& +\mu_{02}^4\mu_{30}^2\mu_{31} - \mu_{02}^4\mu_{30}\mu_{21}\mu_{40})/\mu_{00}^{16}
\end{aligned}
$$

weight=9

structure: 4,2,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 5 |
| 2 | 3 | 4 | 5 | 6 | 6 | 7 | 7 | 7 |



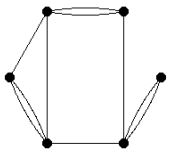
$$
\begin{aligned}
I_{29} \;=\; & (\mu_{20}\mu_{30}^2\mu_{22}\mu_{04}^2 - \mu_{20}\mu_{30}^2\mu_{13}^2\mu_{04} - 2\mu_{20}\mu_{30}\mu_{21}\mu_{31}\mu_{04}^2 \\
& +2\mu_{20}\mu_{30}\mu_{21}\mu_{13}^3 + \mu_{20}\mu_{30}\mu_{12}\mu_{40}\mu_{04}^2 + \mu_{20}\mu_{30}\mu_{12}\mu_{22}^2\mu_{04} \\
& -2\mu_{20}\mu_{30}\mu_{12}\mu_{22}\mu_{13}^2 - \mu_{20}\mu_{30}\mu_{03}\mu_{40}\mu_{13}\mu_{04} + 2\mu_{20}\mu_{30}\mu_{03}\mu_{31}\mu_{13}^2 \\
& -\mu_{20}\mu_{30}\mu_{03}\mu_{22}^2\mu_{13} + 6\mu_{20}\mu_{21}^2\mu_{31}\mu_{13}\mu_{04} - 3\mu_{20}\mu_{21}^2\mu_{22}^2\mu_{04} \\
& -3\mu_{20}\mu_{21}^2\mu_{22}\mu_{13}^2 - 3\mu_{20}\mu_{21}\mu_{12}\mu_{40}\mu_{13}\mu_{04} - 6\mu_{20}\mu_{21}\mu_{12}\mu_{31}\mu_{13}^2 \\
& +9\mu_{20}\mu_{21}\mu_{12}\mu_{22}^2\mu_{13} + 3\mu_{20}\mu_{21}\mu_{03}\mu_{40}\mu_{22}\mu_{04} - 2\mu_{20}\mu_{21}\mu_{03}\mu_{31}^2\mu_{04} \\
& -\mu_{20}\mu_{21}\mu_{03}\mu_{22}^3 - \mu_{20}\mu_{12}^2\mu_{40}\mu_{22}\mu_{04} + 4\mu_{20}\mu_{12}^2\mu_{40}\mu_{13}^2 \\
& +\mu_{20}\mu_{12}^2\mu_{31}^2\mu_{04} - 2\mu_{20}\mu_{12}^2\mu_{31}\mu_{22}\mu_{13} - 2\mu_{20}\mu_{12}^2\mu_{22}^3 \\
& -4\mu_{20}\mu_{12}\mu_{03}\mu_{40}\mu_{22}\mu_{13} + 2\mu_{20}\mu_{12}\mu_{03}\mu_{31}^2\mu_{13} + 2\mu_{20}\mu_{12}\mu_{03}\mu_{31}\mu_{22}^2 \\
& +\mu_{20}\mu_{03}^2\mu_{40}\mu_{22}^2 - \mu_{20}\mu_{03}^2\mu_{31}^2\mu_{22} - 2\mu_{11}\mu_{30}^2\mu_{22}\mu_{13}\mu_{04} + 2\mu_{11}\mu_{30}^2\mu_{13}^3 \\
& +4\mu_{11}\mu_{30}\mu_{21}\mu_{31}\mu_{13}\mu_{04} + 4\mu_{11}\mu_{30}\mu_{21}\mu_{22}^2\mu_{04} - 8\mu_{11}\mu_{30}\mu_{21}\mu_{22}\mu_{13}^2 \\
& -2\mu_{11}\mu_{30}\mu_{12}\mu_{40}\mu_{13}\mu_{04} - 4\mu_{11}\mu_{30}\mu_{12}\mu_{31}\mu_{22}\mu_{04} \\
& +4\mu_{11}\mu_{30}\mu_{12}\mu_{31}\mu_{13}^2 + 2\mu_{11}\mu_{30}\mu_{12}\mu_{22}^2\mu_{13} + 2\mu_{11}\mu_{30}\mu_{03}\mu_{40}\mu_{13}^2 \\
& +2\mu_{11}\mu_{30}\mu_{03}\mu_{31}^2\mu_{04} - 8\mu_{11}\mu_{30}\mu_{03}\mu_{31}\mu_{22}\mu_{13} + 4\mu_{11}\mu_{30}\mu_{03}\mu_{22}^3 \\
& -6\mu_{11}\mu_{21}^2\mu_{31}\mu_{22}\mu_{04} - 6\mu_{11}\mu_{21}^2\mu_{31}\mu_{13}^2 + 12\mu_{11}\mu_{21}^2\mu_{22}^2\mu_{13} \\
& +4\mu_{11}\mu_{21}\mu_{12}\mu_{40}\mu_{22}\mu_{04} + 2\mu_{11}\mu_{21}\mu_{12}\mu_{40}\mu_{13}^2 + 2\mu_{11}\mu_{21}\mu_{12}\mu_{31}^2\mu_{04} \\
& +8\mu_{11}\mu_{21}\mu_{12}\mu_{31}\mu_{22}\mu_{13} - 16\mu_{11}\mu_{21}\mu_{12}\mu_{22}^3 - 2\mu_{11}\mu_{21}\mu_{03}\mu_{40}\mu_{31}\mu_{04} \\
& -4\mu_{11}\mu_{21}\mu_{03}\mu_{40}\mu_{22}\mu_{13} + 4\mu_{11}\mu_{21}\mu_{03}\mu_{31}^2\mu_{13} + 2\mu_{11}\mu_{21}\mu_{03}\mu_{31}\mu_{22}^2 \\
& -6\mu_{11}\mu_{12}^2\mu_{40}\mu_{22}\mu_{13} - 6\mu_{11}\mu_{12}^2\mu_{31}^2\mu_{13} + 12\mu_{11}\mu_{12}^2\mu_{31}\mu_{22}^2 \\
& +4\mu_{11}\mu_{12}\mu_{03}\mu_{40}\mu_{31}\mu_{13} + 4\mu_{11}\mu_{12}\mu_{03}\mu_{40}\mu_{22}^2 - 8\mu_{11}\mu_{12}\mu_{03}\mu_{31}^2\mu_{22} \\
& -2\mu_{11}\mu_{03}^2\mu_{40}\mu_{31}\mu_{22} + 2\mu_{11}\mu_{03}^2\mu_{31}^3 + \mu_{02}\mu_{30}^2\mu_{22}^2\mu_{04} - \mu_{02}\mu_{30}^2\mu_{22}\mu_{13}^2 \\
& -4\mu_{02}\mu_{30}\mu_{21}\mu_{31}\mu_{22}\mu_{04} + 2\mu_{02}\mu_{30}\mu_{21}\mu_{31}\mu_{13}^2 + 2\mu_{02}\mu_{30}\mu_{21}\mu_{22}^2\mu_{13} \\
& +3\mu_{02}\mu_{30}\mu_{12}\mu_{40}\mu_{22}\mu_{04} - 2\mu_{02}\mu_{30}\mu_{12}\mu_{40}\mu_{13}^2 - \mu_{02}\mu_{30}\mu_{12}\mu_{22}^3 \\
& -\mu_{02}\mu_{30}\mu_{03}\mu_{40}\mu_{31}\mu_{04} + 2\mu_{02}\mu_{30}\mu_{03}\mu_{31}^2\mu_{13} - \mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{22}^2 \\
& -\mu_{02}\mu_{21}^2\mu_{40}\mu_{22}\mu_{04} + \mu_{02}\mu_{21}^2\mu_{40}\mu_{13}^2 + 4\mu_{02}\mu_{21}^2\mu_{31}^2\mu_{04} \\
& -2\mu_{02}\mu_{21}^2\mu_{31}\mu_{22}\mu_{13} - 2\mu_{02}\mu_{21}^2\mu_{22}^3 - 3\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{31}\mu_{04} \\
& -6\mu_{02}\mu_{21}\mu_{12}\mu_{31}^2\mu_{13} + 9\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{22}^2 + \mu_{02}\mu_{21}\mu_{03}\mu_{40}^2\mu_{04} \\
& +\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{22}^2 - 2\mu_{02}\mu_{21}\mu_{03}\mu_{31}^2\mu_{22} + 6\mu_{02}\mu_{12}^2\mu_{40}\mu_{31}\mu_{13} \\
& -3\mu_{02}\mu_{12}^2\mu_{40}\mu_{22}^2 - 3\mu_{02}\mu_{12}^2\mu_{31}^2\mu_{22} - 2\mu_{02}\mu_{12}\mu_{03}\mu_{40}^2\mu_{13} \\
& +2\mu_{02}\mu_{12}\mu_{03}\mu_{31}^3 + \mu_{02}\mu_{03}^2\mu_{40}^2\mu_{22} - \mu_{02}\mu_{03}^2\mu_{40}\mu_{31}^2)/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 1,2,3

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 |
| 2 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |



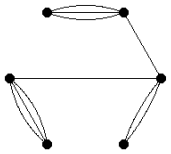
$$
\begin{aligned}
I_{30} \;=\; & (\mu_{20}\mu_{30}^2\mu_{22}\mu_{04}^2 - \mu_{20}\mu_{30}^2\mu_{13}^2\mu_{04} - 6\mu_{20}\mu_{30}\mu_{21}\mu_{22}\mu_{13}\mu_{04} \\
& +6\mu_{20}\mu_{30}\mu_{21}\mu_{13}^3 + 6\mu_{20}\mu_{30}\mu_{12}\mu_{22}^2\mu_{04} - 6\mu_{20}\mu_{30}\mu_{12}\mu_{22}\mu_{13}^2 \\
& -2\mu_{20}\mu_{30}\mu_{03}\mu_{31}\mu_{22}\mu_{04} + 2\mu_{20}\mu_{30}\mu_{03}\mu_{31}\mu_{13}^2 + 9\mu_{20}\mu_{21}^2\mu_{22}^2\mu_{04} \\
& -9\mu_{20}\mu_{21}^2\mu_{22}\mu_{13}^2 - 18\mu_{20}\mu_{21}\mu_{12}\mu_{31}\mu_{22}\mu_{04} + 18\mu_{20}\mu_{21}\mu_{12}\mu_{31}\mu_{13}^2 \\
& +6\mu_{20}\mu_{21}\mu_{03}\mu_{40}\mu_{22}\mu_{04} - 6\mu_{20}\mu_{21}\mu_{03}\mu_{40}\mu_{13}^2 + 9\mu_{20}\mu_{12}^2\mu_{31}^2\mu_{04} \\
& -18\mu_{20}\mu_{12}^2\mu_{31}\mu_{22}\mu_{13} + 9\mu_{20}\mu_{12}^2\mu_{22}^3 - 6\mu_{20}\mu_{12}\mu_{03}\mu_{40}\mu_{31}\mu_{04} \\
& +6\mu_{20}\mu_{12}\mu_{03}\mu_{40}\mu_{22}\mu_{13} + 6\mu_{20}\mu_{12}\mu_{03}\mu_{31}^2\mu_{13} - 6\mu_{20}\mu_{12}\mu_{03}\mu_{31}\mu_{22}^2 \\
& +\mu_{20}\mu_{03}^2\mu_{40}^2\mu_{04} - 2\mu_{20}\mu_{03}^2\mu_{40}\mu_{31}\mu_{13} + \mu_{20}\mu_{03}^2\mu_{31}^2\mu_{22} \\
& -2\mu_{11}\mu_{30}^2\mu_{31}\mu_{04}^2 + 4\mu_{11}\mu_{30}^2\mu_{22}\mu_{13}\mu_{04} - 2\mu_{11}\mu_{30}^2\mu_{13}^3 \\
& +12\mu_{11}\mu_{30}\mu_{21}\mu_{31}\mu_{13}\mu_{04} - 12\mu_{11}\mu_{30}\mu_{21}\mu_{22}^2\mu_{04} - 12\mu_{11}\mu_{30}\mu_{12}\mu_{31}\mu_{13}^2 \\
& +12\mu_{11}\mu_{30}\mu_{12}\mu_{22}^2\mu_{13} - 4\mu_{11}\mu_{30}\mu_{03}\mu_{40}\mu_{22}\mu_{04} + 4\mu_{11}\mu_{30}\mu_{03}\mu_{40}\mu_{13}^2 \\
& +4\mu_{11}\mu_{30}\mu_{03}\mu_{31}^2\mu_{04} - 4\mu_{11}\mu_{30}\mu_{03}\mu_{31}\mu_{22}\mu_{13} - 18\mu_{11}\mu_{21}^2\mu_{31}\mu_{13}^2 \\
& +18\mu_{11}\mu_{21}^2\mu_{22}^2\mu_{13} + 36\mu_{11}\mu_{21}\mu_{12}\mu_{31}\mu_{22}\mu_{13} - 36\mu_{11}\mu_{21}\mu_{12}\mu_{22}^3 \\
& -12\mu_{11}\mu_{21}\mu_{03}\mu_{31}^2\mu_{13} + 12\mu_{11}\mu_{21}\mu_{03}\mu_{31}\mu_{22}^2 - 18\mu_{11}\mu_{12}^2\mu_{31}^2\mu_{13} \\
& +18\mu_{11}\mu_{12}^2\mu_{31}\mu_{22}^2 + 12\mu_{11}\mu_{12}\mu_{03}\mu_{40}\mu_{31}\mu_{13} - 12\mu_{11}\mu_{12}\mu_{03}\mu_{40}\mu_{22}^2 \\
& -2\mu_{11}\mu_{03}^2\mu_{40}^2\mu_{13} + 4\mu_{11}\mu_{03}^2\mu_{40}\mu_{31}\mu_{22} - 2\mu_{11}\mu_{03}^2\mu_{31}^3 + \mu_{02}\mu_{30}^2\mu_{40}\mu_{04}^2 \\
& -2\mu_{02}\mu_{30}^2\mu_{31}\mu_{13}\mu_{04} + \mu_{02}\mu_{30}^2\mu_{22}\mu_{13}^2 - 6\mu_{02}\mu_{30}\mu_{21}\mu_{40}\mu_{13}\mu_{04} \\
& +6\mu_{02}\mu_{30}\mu_{21}\mu_{31}\mu_{22}\mu_{04} + 6\mu_{02}\mu_{30}\mu_{21}\mu_{31}\mu_{13}^2 - 6\mu_{02}\mu_{30}\mu_{21}\mu_{22}^2\mu_{13} \\
& +6\mu_{02}\mu_{30}\mu_{12}\mu_{40}\mu_{22}\mu_{04} - 6\mu_{02}\mu_{30}\mu_{12}\mu_{31}^2\mu_{04} \\
& -2\mu_{02}\mu_{30}\mu_{03}\mu_{40}\mu_{22}\mu_{13} + 2\mu_{02}\mu_{30}\mu_{03}\mu_{31}^2\mu_{13} + 9\mu_{02}\mu_{21}^2\mu_{40}\mu_{13}^2 \\
& -18\mu_{02}\mu_{21}^2\mu_{31}\mu_{22}\mu_{13} + 9\mu_{02}\mu_{21}^2\mu_{22}^3 - 18\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{22}\mu_{13} \\
& +18\mu_{02}\mu_{21}\mu_{12}\mu_{31}^2\mu_{13} + 6\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{22}^2 - 6\mu_{02}\mu_{21}\mu_{03}\mu_{31}^2\mu_{22} \\
& +9\mu_{02}\mu_{12}^2\mu_{40}\mu_{22}^2 - 9\mu_{02}\mu_{12}^2\mu_{31}^2\mu_{22} - 6\mu_{02}\mu_{12}\mu_{03}\mu_{40}\mu_{31}\mu_{22} \\
& +6\mu_{02}\mu_{12}\mu_{03}\mu_{31}^3 + \mu_{02}\mu_{03}^2\mu_{40}^2\mu_{22} - \mu_{02}\mu_{03}^2\mu_{40}\mu_{31}^2)/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 1,2,3

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 |
| 2 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 |



$$
\begin{aligned}
I_{31} \;=\; & (\mu_{20}^3\mu_{21}\mu_{03}\mu_{22}\mu_{04} - \mu_{20}^3\mu_{21}\mu_{03}\mu_{13}^2 + 2\mu_{20}^3\mu_{12}^2\mu_{22}\mu_{04} - 2\mu_{20}^3\mu_{12}^2\mu_{13}^2 \\
& -3\mu_{20}^3\mu_{12}\mu_{03}\mu_{31}\mu_{04} + 3\mu_{20}^3\mu_{12}\mu_{03}\mu_{22}\mu_{13} + \mu_{20}^3\mu_{03}^2\mu_{40}\mu_{04} \\
& -\mu_{20}^3\mu_{03}^2\mu_{31}\mu_{13} - \mu_{20}^2\mu_{11}\mu_{30}\mu_{03}\mu_{22}\mu_{04} + \mu_{20}^2\mu_{11}\mu_{30}\mu_{03}\mu_{13}^2 \\
& -11\mu_{20}^2\mu_{11}\mu_{21}\mu_{12}\mu_{22}\mu_{04} + 11\mu_{20}^2\mu_{11}\mu_{21}\mu_{12}\mu_{13}^2 \\
& +4\mu_{20}^2\mu_{11}\mu_{21}\mu_{03}\mu_{31}\mu_{04} - 4\mu_{20}^2\mu_{11}\mu_{21}\mu_{03}\mu_{22}\mu_{13} \\
& +5\mu_{20}^2\mu_{11}\mu_{12}^2\mu_{31}\mu_{04} - 5\mu_{20}^2\mu_{11}\mu_{12}^2\mu_{22}\mu_{13} - 3\mu_{20}^2\mu_{11}\mu_{12}\mu_{03}\mu_{40}\mu_{04} \\
& +12\mu_{20}^2\mu_{11}\mu_{12}\mu_{03}\mu_{31}\mu_{13} - 9\mu_{20}^2\mu_{11}\mu_{12}\mu_{03}\mu_{22}^2 - 3\mu_{20}^2\mu_{11}\mu_{03}^2\mu_{40}\mu_{13} \\
& +3\mu_{20}^2\mu_{11}\mu_{03}^2\mu_{31}\mu_{22} + \mu_{20}^2\mu_{02}\mu_{30}\mu_{12}\mu_{22}\mu_{04} - \mu_{20}^2\mu_{02}\mu_{30}\mu_{12}\mu_{13}^2 \\
& +3\mu_{20}^2\mu_{02}\mu_{21}^2\mu_{22}\mu_{04} - 3\mu_{20}^2\mu_{02}\mu_{21}^2\mu_{13}^2 - 2\mu_{20}^2\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{04} \\
& +2\mu_{20}^2\mu_{02}\mu_{21}\mu_{12}\mu_{22}\mu_{13} - 2\mu_{20}^2\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{13} \\
& +2\mu_{20}^2\mu_{02}\mu_{21}\mu_{03}\mu_{22}^2 + \mu_{20}^2\mu_{02}\mu_{12}^2\mu_{40}\mu_{04} - 5\mu_{20}^2\mu_{02}\mu_{12}^2\mu_{31}\mu_{13} \\
& +4\mu_{20}^2\mu_{02}\mu_{12}^2\mu_{22}^2 + \mu_{20}^2\mu_{02}\mu_{12}\mu_{03}\mu_{40}\mu_{13} - \mu_{20}^2\mu_{02}\mu_{12}\mu_{03}\mu_{31}\mu_{22} \\
& +\mu_{20}^2\mu_{02}\mu_{03}^2\mu_{40}\mu_{22} - \mu_{20}^2\mu_{02}\mu_{03}^2\mu_{31}^2 + 6\mu_{20}\mu_{11}^2\mu_{30}\mu_{12}\mu_{22}\mu_{04} \\
& -6\mu_{20}\mu_{11}^2\mu_{30}\mu_{12}\mu_{13}^2 - \mu_{20}\mu_{11}^2\mu_{30}\mu_{03}\mu_{31}\mu_{04} \\
& +\mu_{20}\mu_{11}^2\mu_{30}\mu_{03}\mu_{22}\mu_{13} + 8\mu_{20}\mu_{11}^2\mu_{21}^2\mu_{22}\mu_{04} - 8\mu_{20}\mu_{11}^2\mu_{21}^2\mu_{13}^2 \\
& -3\mu_{20}\mu_{11}^2\mu_{21}\mu_{12}\mu_{31}\mu_{04} + 3\mu_{20}\mu_{11}^2\mu_{21}\mu_{12}\mu_{22}\mu_{13} \\
& +\mu_{20}\mu_{11}^2\mu_{21}\mu_{03}\mu_{40}\mu_{04} - 14\mu_{20}\mu_{11}^2\mu_{21}\mu_{03}\mu_{31}\mu_{13} \\
& +13\mu_{20}\mu_{11}^2\mu_{21}\mu_{03}\mu_{22}^2 + \mu_{20}\mu_{11}^2\mu_{12}^2\mu_{40}\mu_{04} - 18\mu_{20}\mu_{11}^2\mu_{12}^2\mu_{31}\mu_{13} \\
& +17\mu_{20}\mu_{11}^2\mu_{12}^2\mu_{22}^2 + 8\mu_{20}\mu_{11}^2\mu_{12}\mu_{03}\mu_{40}\mu_{13} - 8\mu_{20}\mu_{11}^2\mu_{12}\mu_{03}\mu_{31}\mu_{22} \\
& +2\mu_{20}\mu_{11}^2\mu_{03}^2\mu_{40}\mu_{22} - 2\mu_{20}\mu_{11}^2\mu_{03}^2\mu_{31}^2 - 8\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{22}\mu_{04} \\
& +8\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{13}^2 + 2\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{13} \\
& -2\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{22}^2 - 2\mu_{20}\mu_{11}\mu_{02}\mu_{21}^2\mu_{31}\mu_{04} \\
& +2\mu_{20}\mu_{11}\mu_{02}\mu_{21}^2\mu_{22}\mu_{13} - 2\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{04} \\
& +30\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{13} - 28\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{22}^2 \\
& -2\mu_{20}\mu_{11}\mu_{02}\mu_{12}^2\mu_{40}\mu_{13} + 2\mu_{20}\mu_{11}\mu_{02}\mu_{12}^2\mu_{31}\mu_{22} \\
& -8\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{40}\mu_{22} + 8\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{31}^2 \\
& +\mu_{20}\mu_{02}^2\mu_{30}^2\mu_{22}\mu_{04} - \mu_{20}\mu_{02}^2\mu_{30}^2\mu_{13}^2 + \mu_{20}\mu_{02}^2\mu_{30}\mu_{21}\mu_{31}\mu_{04} \\
& -\mu_{20}\mu_{02}^2\mu_{30}\mu_{21}\mu_{22}\mu_{13} - 2\mu_{20}\mu_{02}^2\mu_{30}\mu_{12}\mu_{31}\mu_{13} \\
& +2\mu_{20}\mu_{02}^2\mu_{30}\mu_{12}\mu_{22}^2 + \mu_{20}\mu_{02}^2\mu_{21}^2\mu_{40}\mu_{04} - 5\mu_{20}\mu_{02}^2\mu_{21}^2\mu_{31}\mu_{13} \\
& +4\mu_{20}\mu_{02}^2\mu_{21}^2\mu_{22}^2 - 2\mu_{20}\mu_{02}^2\mu_{21}\mu_{12}\mu_{40}\mu_{13} + 2\mu_{20}\mu_{02}^2\mu_{21}\mu_{12}\mu_{31}\mu_{22} \\
& +\mu_{20}\mu_{02}^2\mu_{21}\mu_{03}\mu_{40}\mu_{22} - \mu_{20}\mu_{02}^2\mu_{21}\mu_{03}\mu_{31}^2 + 3\mu_{20}\mu_{02}^2\mu_{12}^2\mu_{40}\mu_{22} \\
& -3\mu_{20}\mu_{02}^2\mu_{12}^2\mu_{31}^2 - 4\mu_{11}^3\mu_{30}\mu_{21}\mu_{22}\mu_{04} + 4\mu_{11}^3\mu_{30}\mu_{21}\mu_{13}^2 \\
& -2\mu_{11}^3\mu_{30}\mu_{12}\mu_{31}\mu_{04} + 2\mu_{11}^3\mu_{30}\mu_{12}\mu_{22}\mu_{13} + 4\mu_{11}^3\mu_{30}\mu_{03}\mu_{31}\mu_{13} \\
& -4\mu_{11}^3\mu_{30}\mu_{03}\mu_{22}^2 - 2\mu_{11}^3\mu_{21}^2\mu_{31}\mu_{04} + 2\mu_{11}^3\mu_{21}^2\mu_{22}\mu_{13} \\
& +20\mu_{11}^3\mu_{21}\mu_{12}\mu_{31}\mu_{13} - 20\mu_{11}^3\mu_{21}\mu_{12}\mu_{22}^2 - 2\mu_{11}^3\mu_{21}\mu_{03}\mu_{40}\mu_{13} \\
& +2\mu_{11}^3\mu_{21}\mu_{03}\mu_{31}\mu_{22} - 2\mu_{11}^3\mu_{12}^2\mu_{40}\mu_{13} + 2\mu_{11}^3\mu_{12}^2\mu_{31}\mu_{22} \\
& -4\mu_{11}^3\mu_{12}\mu_{03}\mu_{40}\mu_{22} + 4\mu_{11}^3\mu_{12}\mu_{03}\mu_{31}^2 + 2\mu_{11}^2\mu_{02}\mu_{30}^2\mu_{22}\mu_{04} \\
& -2\mu_{11}^2\mu_{02}\mu_{30}^2\mu_{13}^2 + 8\mu_{11}^2\mu_{02}\mu_{30}\mu_{21}\mu_{31}\mu_{04} - 8\mu_{11}^2\mu_{02}\mu_{30}\mu_{21}\mu_{22}\mu_{13} \\
& +\mu_{11}^2\mu_{02}\mu_{30}\mu_{12}\mu_{40}\mu_{04} - 14\mu_{11}^2\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{13} \\
& +13\mu_{11}^2\mu_{02}\mu_{30}\mu_{12}\mu_{22}^2 - \mu_{11}^2\mu_{02}\mu_{30}\mu_{03}\mu_{40}\mu_{13} \\
& +\mu_{11}^2\mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{22} + \mu_{11}^2\mu_{02}\mu_{21}^2\mu_{40}\mu_{04} - 18\mu_{11}^2\mu_{02}\mu_{21}^2\mu_{31}\mu_{13} \\
& +17\mu_{11}^2\mu_{02}\mu_{21}^2\mu_{22}^2 - 3\mu_{11}^2\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{13} + 3\mu_{11}^2\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{22} \\
& +6\mu_{11}^2\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{22} - 6\mu_{11}^2\mu_{02}\mu_{21}\mu_{03}\mu_{31}^2 + 8\mu_{11}^2\mu_{02}\mu_{12}^2\mu_{40}\mu_{22} \\
& -8\mu_{11}^2\mu_{02}\mu_{12}^2\mu_{31}^2 - 3\mu_{11}\mu_{02}^2\mu_{30}^2\mu_{31}\mu_{04} + 3\mu_{11}\mu_{02}^2\mu_{30}^2\mu_{22}\mu_{13} \\
& -3\mu_{11}\mu_{02}^2\mu_{30}\mu_{21}\mu_{40}\mu_{04} + 12\mu_{11}\mu_{02}^2\mu_{30}\mu_{21}\mu_{31}\mu_{13} \\
& -9\mu_{11}\mu_{02}^2\mu_{30}\mu_{21}\mu_{22}^2 + 4\mu_{11}\mu_{02}^2\mu_{30}\mu_{12}\mu_{40}\mu_{13}
\end{aligned}
$$

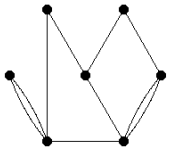
$$-4\mu_{11}\mu_{02}^2\mu_{30}\mu_{12}\mu_{31}\mu_{22} - \mu_{11}\mu_{02}^2\mu_{30}\mu_{03}\mu_{40}\mu_{22}$$
$$+\mu_{11}\mu_{02}^2\mu_{30}\mu_{03}\mu_{31}^2 + 5\mu_{11}\mu_{02}^2\mu_{21}^2\mu_{40}\mu_{13} - 5\mu_{11}\mu_{02}^2\mu_{21}^2\mu_{31}\mu_{22}$$
$$-11\mu_{11}\mu_{02}^2\mu_{21}\mu_{12}\mu_{40}\mu_{22} + 11\mu_{11}\mu_{02}^2\mu_{21}\mu_{12}\mu_{31}^2 + \mu_{02}^3\mu_{30}^2\mu_{40}\mu_{04}$$
$$-\mu_{02}^3\mu_{30}^2\mu_{31}\mu_{13} - 3\mu_{02}^3\mu_{30}\mu_{21}\mu_{40}\mu_{13} + 3\mu_{02}^3\mu_{30}\mu_{21}\mu_{31}\mu_{22}$$
$$+\mu_{02}^3\mu_{30}\mu_{12}\mu_{40}\mu_{22} - \mu_{02}^3\mu_{30}\mu_{12}\mu_{31}^2 + 2\mu_{02}^3\mu_{21}^2\mu_{40}\mu_{22} - 2\mu_{02}^3\mu_{21}^2\mu_{31}^2)/\mu_{00}^{17}$$

weight=10

structure: 3,2,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 4 |
| 2 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7 |



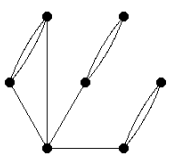
$$
\begin{aligned}
I_{32} \;=\; & (\mu_{20}^2\mu_{30}\mu_{12}^3\mu_{04} - 3\mu_{20}^2\mu_{30}\mu_{12}^2\mu_{03}\mu_{13} + 3\mu_{20}^2\mu_{30}\mu_{12}\mu_{03}^2\mu_{22} \\
& -\mu_{20}^2\mu_{30}\mu_{03}^3\mu_{31} - \mu_{20}^2\mu_{21}^2\mu_{12}^2\mu_{04} + 2\mu_{20}^2\mu_{21}^2\mu_{12}\mu_{03}\mu_{13} \\
& -\mu_{20}^2\mu_{21}^2\mu_{03}^2\mu_{22} + \mu_{20}^2\mu_{21}\mu_{12}^3\mu_{13} - \mu_{20}^2\mu_{21}\mu_{12}^2\mu_{03}\mu_{22} \\
& -\mu_{20}^2\mu_{21}\mu_{12}\mu_{03}^2\mu_{31} + \mu_{20}^2\mu_{21}\mu_{03}^3\mu_{40} - \mu_{20}^2\mu_{12}^4\mu_{22} + 2\mu_{20}^2\mu_{12}^3\mu_{03}\mu_{31} \\
& -\mu_{20}^2\mu_{12}^2\mu_{03}^2\mu_{40} - 4\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{12}^2\mu_{04} \\
& +8\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{03}\mu_{13} - 4\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{03}^2\mu_{22} \\
& +4\mu_{20}\mu_{11}\mu_{30}\mu_{12}^3\mu_{13} - 8\mu_{20}\mu_{11}\mu_{30}\mu_{12}^2\mu_{03}\mu_{22} \\
& +4\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{03}^2\mu_{31} + 4\mu_{20}\mu_{11}\mu_{21}^3\mu_{12}\mu_{04} - 4\mu_{20}\mu_{11}\mu_{21}^3\mu_{03}\mu_{13} \\
& -8\mu_{20}\mu_{11}\mu_{21}^2\mu_{12}^2\mu_{13} + 4\mu_{20}\mu_{11}\mu_{21}^2\mu_{12}\mu_{03}\mu_{22} + 4\mu_{20}\mu_{11}\mu_{21}^2\mu_{03}^2\mu_{31} \\
& +8\mu_{20}\mu_{11}\mu_{21}\mu_{12}^3\mu_{22} - 4\mu_{20}\mu_{11}\mu_{21}\mu_{12}^2\mu_{03}\mu_{31} \\
& -4\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{03}^2\mu_{40} - 4\mu_{20}\mu_{11}\mu_{12}^4\mu_{31} + 4\mu_{20}\mu_{11}\mu_{12}^3\mu_{03}\mu_{40} \\
& +2\mu_{20}\mu_{02}\mu_{30}^2\mu_{12}^2\mu_{04} - 4\mu_{20}\mu_{02}\mu_{30}^2\mu_{12}\mu_{03}\mu_{13} + 2\mu_{20}\mu_{02}\mu_{30}^2\mu_{03}^2\mu_{22} \\
& -2\mu_{20}\mu_{02}\mu_{30}\mu_{21}^2\mu_{12}\mu_{04} + 2\mu_{20}\mu_{02}\mu_{30}\mu_{21}^2\mu_{03}\mu_{13} \\
& +4\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{03}\mu_{22} - 4\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{03}^2\mu_{31} \\
& -2\mu_{20}\mu_{02}\mu_{30}\mu_{12}^3\mu_{22} + 2\mu_{20}\mu_{02}\mu_{30}\mu_{12}^2\mu_{03}\mu_{31} + 2\mu_{20}\mu_{02}\mu_{21}^3\mu_{12}\mu_{13} \\
& -2\mu_{20}\mu_{02}\mu_{21}^3\mu_{03}\mu_{22} - 2\mu_{20}\mu_{02}\mu_{21}^2\mu_{12}^2\mu_{22} + 2\mu_{20}\mu_{02}\mu_{21}^2\mu_{03}^2\mu_{40} \\
& +2\mu_{20}\mu_{02}\mu_{21}\mu_{12}^3\mu_{31} - 2\mu_{20}\mu_{02}\mu_{21}\mu_{12}^2\mu_{03}\mu_{40} + 4\mu_{11}^2\mu_{30}\mu_{21}^2\mu_{12}\mu_{04} \\
& -4\mu_{11}^2\mu_{30}\mu_{21}^2\mu_{03}\mu_{13} - 8\mu_{11}^2\mu_{30}\mu_{21}\mu_{12}^2\mu_{13} + 8\mu_{11}^2\mu_{30}\mu_{21}\mu_{12}\mu_{03}\mu_{22} \\
& +4\mu_{11}^2\mu_{30}\mu_{12}^3\mu_{22} - 4\mu_{11}^2\mu_{30}\mu_{12}^2\mu_{03}\mu_{31} - 4\mu_{11}^2\mu_{21}^4\mu_{04} + 12\mu_{11}^2\mu_{21}^3\mu_{12}\mu_{13} \\
& +4\mu_{11}^2\mu_{21}^3\mu_{03}\mu_{22} - 16\mu_{11}^2\mu_{21}^2\mu_{12}^2\mu_{22} - 8\mu_{11}^2\mu_{21}^2\mu_{12}\mu_{03}\mu_{31} \\
& +12\mu_{11}^2\mu_{21}\mu_{12}^3\mu_{31} + 4\mu_{11}^2\mu_{21}\mu_{12}^2\mu_{03}\mu_{40} - 4\mu_{11}^2\mu_{12}^4\mu_{40} \\
& -4\mu_{11}\mu_{02}\mu_{30}^2\mu_{21}\mu_{12}\mu_{04} + 4\mu_{11}\mu_{02}\mu_{30}^2\mu_{21}\mu_{03}\mu_{13} \\
& +4\mu_{11}\mu_{02}\mu_{30}^2\mu_{12}^2\mu_{13} - 4\mu_{11}\mu_{02}\mu_{30}^2\mu_{12}\mu_{03}\mu_{22} + 4\mu_{11}\mu_{02}\mu_{30}\mu_{21}^3\mu_{04} \\
& -4\mu_{11}\mu_{02}\mu_{30}\mu_{21}^2\mu_{12}\mu_{13} - 8\mu_{11}\mu_{02}\mu_{30}\mu_{21}^2\mu_{03}\mu_{22} \\
& +4\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{12}^2\mu_{22} + 8\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{03}\mu_{31} \\
& -4\mu_{11}\mu_{02}\mu_{30}\mu_{12}^3\mu_{31} - 4\mu_{11}\mu_{02}\mu_{21}^4\mu_{13} + 8\mu_{11}\mu_{02}\mu_{21}^3\mu_{12}\mu_{22} \\
& +4\mu_{11}\mu_{02}\mu_{21}^3\mu_{03}\mu_{31} - 8\mu_{11}\mu_{02}\mu_{21}^2\mu_{12}^2\mu_{31} - 4\mu_{11}\mu_{02}\mu_{21}^2\mu_{12}\mu_{03}\mu_{40} \\
& +4\mu_{11}\mu_{02}\mu_{21}\mu_{12}^3\mu_{40} + \mu_{02}^2\mu_{30}^3\mu_{12}\mu_{04} - \mu_{02}^2\mu_{30}^3\mu_{03}\mu_{13} \\
& -\mu_{02}^2\mu_{30}^2\mu_{21}^2\mu_{04} - \mu_{02}^2\mu_{30}^2\mu_{21}\mu_{12}\mu_{13} + 3\mu_{02}^2\mu_{30}^2\mu_{21}\mu_{03}\mu_{22} \\
& -\mu_{02}^2\mu_{30}^2\mu_{12}^2\mu_{22} + 2\mu_{02}^2\mu_{30}\mu_{21}^3\mu_{13} - \mu_{02}^2\mu_{30}\mu_{21}^2\mu_{12}\mu_{22} \\
& -3\mu_{02}^2\mu_{30}\mu_{21}^2\mu_{03}\mu_{31} + 2\mu_{02}^2\mu_{30}\mu_{21}\mu_{12}^2\mu_{31} - \mu_{02}^2\mu_{21}^4\mu_{22} \\
& +\mu_{02}^2\mu_{21}^3\mu_{12}\mu_{31} + \mu_{02}^2\mu_{21}^3\mu_{03}\mu_{40} - \mu_{02}^2\mu_{21}^2\mu_{12}^2\mu_{40})/\mu_{00}^{17}
\end{aligned}
$$

weight=10

structure: 2,4,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 |
| 2 | 3 | 4 | 5 | 5 | 5 | 6 | 6 | 7 | 7 |



**Homogeneous invariants of the order 5**

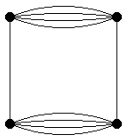
$$\begin{aligned} I_{33} &= (-\mu_{50}^2\mu_{05}^2 + 10\mu_{50}\mu_{41}\mu_{14}\mu_{05} - 4\mu_{50}\mu_{32}\mu_{23}\mu_{05} - 16\mu_{50}\mu_{32}\mu_{14}^2 + 12\mu_{50}\mu_{23}^2\mu_{14} \\ &\quad -16\mu_{41}^2\mu_{23}\mu_{05} - 9\mu_{41}^2\mu_{14}^2 + 12\mu_{41}\mu_{32}^2\mu_{05} + 76\mu_{41}\mu_{32}\mu_{23}\mu_{14} - 48\mu_{41}\mu_{23}^3 - 48\mu_{32}^3\mu_{14} \\ &\quad +32\mu_{32}^2\mu_{23}^2)/\mu_{00}^{14} \end{aligned}$$

weight=10

structure: 0,0,0,4

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |



**Simultaneous invariants of the orders 2 and 5**

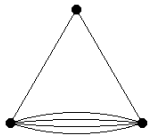
$$\begin{aligned} I_{34} &= (\mu_{20}\mu_{41}\mu_{05} - 4\mu_{20}\mu_{32}\mu_{14} + 3\mu_{20}\mu_{23}^2 - \mu_{11}\mu_{50}\mu_{05} + 3\mu_{11}\mu_{41}\mu_{14} \\ &\quad -2\mu_{11}\mu_{32}\mu_{23} + \mu_{02}\mu_{50}\mu_{14} - 4\mu_{02}\mu_{41}\mu_{23} + 3\mu_{02}\mu_{32}^2)/\mu_{00}^9 \end{aligned}$$

weight=6

structure: 1,0,0,2

Generating graph:

| | | | | | |
|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 2 | 3 | 3 |



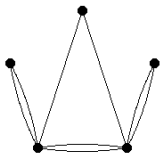
$$\begin{aligned} I_{35} &= (\mu_{20}^3\mu_{23}\mu_{05} - \mu_{20}^3\mu_{14}^2 - 3\mu_{20}^2\mu_{11}\mu_{32}\mu_{05} + 3\mu_{20}^2\mu_{11}\mu_{23}\mu_{14} \\ &\quad +\mu_{20}^2\mu_{02}\mu_{41}\mu_{05} - \mu_{20}^2\mu_{02}\mu_{32}\mu_{14} + 2\mu_{20}\mu_{11}^2\mu_{41}\mu_{05} + 4\mu_{20}\mu_{11}^2\mu_{32}\mu_{14} \\ &\quad -6\mu_{20}\mu_{11}^2\mu_{23}^2 - \mu_{20}\mu_{11}\mu_{02}\mu_{50}\mu_{05} - 3\mu_{20}\mu_{11}\mu_{02}\mu_{41}\mu_{14} \\ &\quad +4\mu_{20}\mu_{11}\mu_{02}\mu_{32}\mu_{23} + \mu_{20}\mu_{02}^2\mu_{50}\mu_{14} - \mu_{20}\mu_{02}^2\mu_{41}\mu_{23} - 4\mu_{11}^3\mu_{41}\mu_{14} \\ &\quad +4\mu_{11}^3\mu_{32}\mu_{23} + 2\mu_{11}^2\mu_{02}\mu_{50}\mu_{14} + 4\mu_{11}^2\mu_{02}\mu_{41}\mu_{23} - 6\mu_{11}^2\mu_{02}\mu_{32}^2 \\ &\quad -3\mu_{11}\mu_{02}^2\mu_{50}\mu_{23} + 3\mu_{11}\mu_{02}^2\mu_{41}\mu_{32} + \mu_{02}^3\mu_{50}\mu_{32} - \mu_{02}^3\mu_{41}^2)/\mu_{00}^{13} \end{aligned}$$

weight=8

structure: 3,0,0,2

Generating graph:

$$\begin{array}{cccccccc} 1 & 1 & 1 & 1 & 1 & 2 & 2 & 2 \\ 2 & 2 & 3 & 3 & 4 & 4 & 5 & 5 \end{array}$$



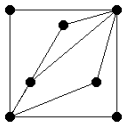
$$\begin{aligned} I_{36} \;=\; & (-\mu_{20}^5\mu_{05}^2 + 10\mu_{20}^4\mu_{11}\mu_{14}\mu_{05} - 5\mu_{20}^4\mu_{02}\mu_{14}^2 - 20\mu_{20}^3\mu_{11}^2\mu_{23}\mu_{05} - 20\mu_{20}^3\mu_{11}^2\mu_{14}^2 \\ & +40\mu_{20}^3\mu_{11}\mu_{02}\mu_{23}\mu_{14} - 10\mu_{20}^3\mu_{02}^2\mu_{23}^2 + 20\mu_{20}^2\mu_{11}^3\mu_{32}\mu_{05} + 60\mu_{20}^2\mu_{11}^3\mu_{23}\mu_{14} \\ & -60\mu_{20}^2\mu_{11}^2\mu_{02}\mu_{32}\mu_{14} - 60\mu_{20}^2\mu_{11}^2\mu_{02}\mu_{23}^2 + 60\mu_{20}^2\mu_{11}\mu_{02}^2\mu_{32}\mu_{23} \\ & -10\mu_{20}^2\mu_{02}^3\mu_{32}^2 - 10\mu_{20}\mu_{11}^4\mu_{41}\mu_{05} - 40\mu_{20}\mu_{11}^4\mu_{32}\mu_{14} - 30\mu_{20}\mu_{11}^4\mu_{23}^2 \\ & +40\mu_{20}\mu_{11}^3\mu_{02}\mu_{41}\mu_{14} + 120\mu_{20}\mu_{11}^3\mu_{02}\mu_{32}\mu_{23} - 60\mu_{20}\mu_{11}^2\mu_{02}^2\mu_{41}\mu_{23} \\ & -60\mu_{20}\mu_{11}^2\mu_{02}^2\mu_{32}^2 + 40\mu_{20}\mu_{11}\mu_{02}^3\mu_{41}\mu_{32} - 5\mu_{20}\mu_{02}^4\mu_{41}^2 + 2\mu_{11}^5\mu_{50}\mu_{05} \\ & +10\mu_{11}^5\mu_{41}\mu_{14} + 20\mu_{11}^5\mu_{32}\mu_{23} - 10\mu_{11}^4\mu_{02}\mu_{50}\mu_{14} - 40\mu_{11}^4\mu_{02}\mu_{41}\mu_{23} \\ & -30\mu_{11}^4\mu_{02}\mu_{32}^2 + 20\mu_{11}^3\mu_{02}^2\mu_{50}\mu_{23} + 60\mu_{11}^3\mu_{02}^2\mu_{41}\mu_{32} - 20\mu_{11}^2\mu_{02}^3\mu_{50}\mu_{32} \\ & -20\mu_{11}^2\mu_{02}^3\mu_{41}^2 + 10\mu_{11}\mu_{02}^4\mu_{50}\mu_{41} - \mu_{02}^5\mu_{50}^2)/\mu_{00}^{17} \end{aligned}$$

weight=10

structure: 5,0,0,2

Generating graph:

$$\begin{array}{cccccccccc} 1 & 1 & 1 & 1 & 1 & 2 & 3 & 4 & 5 & 6 \\ 2 & 3 & 4 & 5 & 6 & 7 & 7 & 7 & 7 & 7 \end{array}$$



**Simultaneous invariants of the orders 3 and 5**

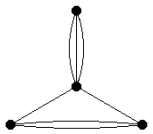
$$\begin{aligned} I_{37} \;=\; & (-\mu_{30}^2\mu_{12}\mu_{05} + \mu_{30}^2\mu_{03}\mu_{14} + \mu_{30}\mu_{21}^2\mu_{05} + 2\mu_{30}\mu_{21}\mu_{12}\mu_{14} \\ & -4\mu_{30}\mu_{21}\mu_{03}\mu_{23} - 2\mu_{30}\mu_{12}^2\mu_{23} + 4\mu_{30}\mu_{12}\mu_{03}\mu_{32} - \mu_{30}\mu_{03}^2\mu_{41} - 3\mu_{21}^3\mu_{14} \\ & +6\mu_{21}^2\mu_{12}\mu_{23} + 2\mu_{21}^2\mu_{03}\mu_{32} - 6\mu_{21}\mu_{12}^2\mu_{32} - 2\mu_{21}\mu_{12}\mu_{03}\mu_{41} + \mu_{21}\mu_{03}^2\mu_{50} \\ & +3\mu_{12}^3\mu_{41} - \mu_{12}^2\mu_{03}\mu_{50})/\mu_{00}^{11} \end{aligned}$$

weight=7

structure: 0,3,0,1

Generating graph:

$$\begin{array}{ccccccc} 1 & 1 & 1 & 1 & 1 & 2 & 2 \\ 2 & 3 & 3 & 3 & 4 & 4 & 4 \end{array}$$



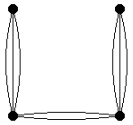
$$\begin{aligned} I_{38} \;=\; & (\mu_{30}^2\mu_{23}\mu_{05} - \mu_{30}^2\mu_{14}^2 - 3\mu_{30}\mu_{21}\mu_{32}\mu_{05} + 3\mu_{30}\mu_{21}\mu_{23}\mu_{14} \\ & +3\mu_{30}\mu_{12}\mu_{41}\mu_{05} - 6\mu_{30}\mu_{12}\mu_{32}\mu_{14} + 3\mu_{30}\mu_{12}\mu_{23}^2 - \mu_{30}\mu_{03}\mu_{50}\mu_{05} \\ & +2\mu_{30}\mu_{03}\mu_{41}\mu_{14} - \mu_{30}\mu_{03}\mu_{32}\mu_{23} + 9\mu_{21}^2\mu_{32}\mu_{14} - 9\mu_{21}^2\mu_{23}^2 \\ & -9\mu_{21}\mu_{12}\mu_{41}\mu_{14} + 9\mu_{21}\mu_{12}\mu_{32}\mu_{23} + 3\mu_{21}\mu_{03}\mu_{50}\mu_{14} - 6\mu_{21}\mu_{03}\mu_{41}\mu_{23} \\ & +3\mu_{21}\mu_{03}\mu_{32}^2 + 9\mu_{12}^2\mu_{41}\mu_{23} - 9\mu_{12}^2\mu_{32}^2 - 3\mu_{12}\mu_{03}\mu_{50}\mu_{23} + 3\mu_{12}\mu_{03}\mu_{41}\mu_{32} \\ & +\mu_{03}^2\mu_{50}\mu_{32} - \mu_{03}^2\mu_{41}^2)/\mu_{00}^{12} \end{aligned}$$

weight=8

structure: 0,2,0,2

Generating graph:

$$\begin{array}{cccccccc} 1 & 1 & 1 & 1 & 1 & 2 & 2 & 2 \\ 2 & 2 & 3 & 3 & 3 & 4 & 4 & 4 \end{array}$$



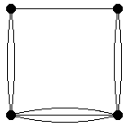
$$\begin{aligned} I_{39} \;=\; & (2\mu_{30}\mu_{12}\mu_{41}\mu_{05} - 8\mu_{30}\mu_{12}\mu_{32}\mu_{14} + 6\mu_{30}\mu_{12}\mu_{23}^2 - \mu_{30}\mu_{03}\mu_{50}\mu_{05} \\ & +3\mu_{30}\mu_{03}\mu_{41}\mu_{14} - 2\mu_{30}\mu_{03}\mu_{32}\mu_{23} - 2\mu_{21}^2\mu_{41}\mu_{05} + 8\mu_{21}^2\mu_{32}\mu_{14} - 6\mu_{21}^2\mu_{23}^2 \\ & +\mu_{21}\mu_{12}\mu_{50}\mu_{05} - 3\mu_{21}\mu_{12}\mu_{41}\mu_{14} + 2\mu_{21}\mu_{12}\mu_{32}\mu_{23} + 2\mu_{21}\mu_{03}\mu_{50}\mu_{14} \\ & -8\mu_{21}\mu_{03}\mu_{41}\mu_{23} + 6\mu_{21}\mu_{03}\mu_{32}^2 - 2\mu_{12}^2\mu_{50}\mu_{14} + 8\mu_{12}^2\mu_{41}\mu_{23} - 6\mu_{12}^2\mu_{32}^2)/\mu_{00}^{12} \end{aligned}$$

weight=8

structure: 0,2,0,2

Generating graph:

$$\begin{array}{cccccccc} 1 & 1 & 1 & 1 & 1 & 2 & 2 & 3 \\ 2 & 2 & 2 & 3 & 3 & 4 & 4 & 4 \end{array}$$



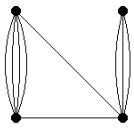
$$
\begin{aligned}
I_{40} \;=\; & (-\mu_{30}\mu_{41}\mu_{23}\mu_{05} + \mu_{30}\mu_{41}\mu_{14}^2 + \mu_{30}\mu_{32}^2\mu_{05} - 2\mu_{30}\mu_{32}\mu_{23}\mu_{14} + \mu_{30}\mu_{23}^3 \\
& +\mu_{21}\mu_{50}\mu_{23}\mu_{05} - \mu_{21}\mu_{50}\mu_{14}^2 - \mu_{21}\mu_{41}\mu_{32}\mu_{05} + \mu_{21}\mu_{41}\mu_{23}\mu_{14} \\
& +\mu_{21}\mu_{32}^2\mu_{14} - \mu_{21}\mu_{32}\mu_{23}^2 - \mu_{12}\mu_{50}\mu_{32}\mu_{05} + \mu_{12}\mu_{50}\mu_{23}\mu_{14} \\
& +\mu_{12}\mu_{41}^2\mu_{05} - \mu_{12}\mu_{41}\mu_{32}\mu_{14} - \mu_{12}\mu_{41}\mu_{23}^2 + \mu_{12}\mu_{32}^2\mu_{23} \\
& +\mu_{03}\mu_{50}\mu_{32}\mu_{14} - \mu_{03}\mu_{50}\mu_{23}^2 - \mu_{03}\mu_{41}^2\mu_{14} + 2\mu_{03}\mu_{41}\mu_{32}\mu_{23} - \mu_{03}\mu_{32}^3)/\mu_{00}^{13}
\end{aligned}
$$

weight=9

structure: 0,1,0,3

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |



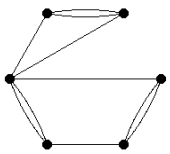
$$
\begin{aligned}
I_{41} \;=\; & (-\mu_{30}^3\mu_{12}\mu_{03}\mu_{05} + \mu_{30}^3\mu_{03}^2\mu_{14} + \mu_{30}^2\mu_{21}^2\mu_{03}\mu_{05} + 3\mu_{30}^2\mu_{21}\mu_{12}^2\mu_{05} \\
& -\mu_{30}^2\mu_{21}\mu_{12}\mu_{03}\mu_{14} - 4\mu_{30}^2\mu_{21}\mu_{03}^2\mu_{23} - 6\mu_{30}^2\mu_{12}^3\mu_{14} + 10\mu_{30}^2\mu_{12}^2\mu_{03}\mu_{23} \\
& -4\mu_{30}^2\mu_{12}\mu_{03}^2\mu_{32} + \mu_{30}^2\mu_{03}^3\mu_{41} - 5\mu_{30}\mu_{21}^3\mu_{12}\mu_{05} - \mu_{30}\mu_{21}^3\mu_{03}\mu_{14} \\
& +12\mu_{30}\mu_{21}^2\mu_{12}^2\mu_{14} - 6\mu_{30}\mu_{21}^2\mu_{12}\mu_{03}\mu_{23} + 10\mu_{30}\mu_{21}^2\mu_{03}^2\mu_{32} \\
& -6\mu_{30}\mu_{21}\mu_{12}^3\mu_{23} - 6\mu_{30}\mu_{21}\mu_{12}^2\mu_{03}\mu_{32} - \mu_{30}\mu_{21}\mu_{12}\mu_{03}^2\mu_{41} \\
& -\mu_{30}\mu_{21}\mu_{03}^3\mu_{50} + 4\mu_{30}\mu_{12}^4\mu_{32} - \mu_{30}\mu_{12}^3\mu_{03}\mu_{41} + \mu_{30}\mu_{12}^2\mu_{03}^2\mu_{50} \\
& +2\mu_{21}^5\mu_{05} - 5\mu_{21}^4\mu_{12}\mu_{14} + 4\mu_{21}^4\mu_{03}\mu_{23} + 2\mu_{21}^3\mu_{12}^2\mu_{23} - 6\mu_{21}^3\mu_{12}\mu_{03}\mu_{32} \\
& -6\mu_{21}^3\mu_{03}^2\mu_{41} + 2\mu_{21}^2\mu_{12}^3\mu_{32} + 12\mu_{21}^2\mu_{12}^2\mu_{03}\mu_{41} + 3\mu_{21}^2\mu_{12}\mu_{03}^2\mu_{50} \\
& -5\mu_{21}\mu_{12}^4\mu_{41} - 5\mu_{21}\mu_{12}^3\mu_{03}\mu_{50} + 2\mu_{12}^5\mu_{50})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 0,5,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 |
| 2 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 |



**Simultaneous invariants of the orders 2, 3 and 5**

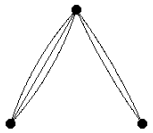
$$\begin{aligned} I_{42} &= (-\mu_{20}\mu_{30}\mu_{05} + 3\mu_{20}\mu_{21}\mu_{14} - 3\mu_{20}\mu_{12}\mu_{23} + \mu_{20}\mu_{03}\mu_{32} + 2\mu_{11}\mu_{30}\mu_{14} \\ &\quad -6\mu_{11}\mu_{21}\mu_{23} + 6\mu_{11}\mu_{12}\mu_{32} - 2\mu_{11}\mu_{03}\mu_{41} - \mu_{02}\mu_{30}\mu_{23} + 3\mu_{02}\mu_{21}\mu_{32} \\ &\quad -3\mu_{02}\mu_{12}\mu_{41} + \mu_{02}\mu_{03}\mu_{50})/\mu_{00}^{8} \end{aligned}$$

weight=5

structure: 1,1,0,1

Generating graph:

| | | | | |
|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 3 | 3 |



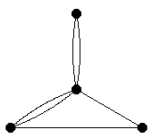
$$\begin{aligned} I_{43} &= (\mu_{20}^2\mu_{21}\mu_{05} - 2\mu_{20}^2\mu_{12}\mu_{14} + \mu_{20}^2\mu_{03}\mu_{23} - \mu_{20}\mu_{11}\mu_{30}\mu_{05} \\ &\quad -\mu_{20}\mu_{11}\mu_{21}\mu_{14} + 5\mu_{20}\mu_{11}\mu_{12}\mu_{23} - 3\mu_{20}\mu_{11}\mu_{03}\mu_{32} + \mu_{20}\mu_{02}\mu_{30}\mu_{14} \\ &\quad -\mu_{20}\mu_{02}\mu_{21}\mu_{23} - \mu_{20}\mu_{02}\mu_{12}\mu_{32} + \mu_{20}\mu_{02}\mu_{03}\mu_{41} + 2\mu_{11}^2\mu_{30}\mu_{14} \\ &\quad -2\mu_{11}^2\mu_{21}\mu_{23} - 2\mu_{11}^2\mu_{12}\mu_{32} + 2\mu_{11}^2\mu_{03}\mu_{41} - 3\mu_{11}\mu_{02}\mu_{30}\mu_{23} \\ &\quad +5\mu_{11}\mu_{02}\mu_{21}\mu_{32} - \mu_{11}\mu_{02}\mu_{12}\mu_{41} - \mu_{11}\mu_{02}\mu_{03}\mu_{50} + \mu_{02}^2\mu_{30}\mu_{32} \\ &\quad -2\mu_{02}^2\mu_{21}\mu_{41} + \mu_{02}^2\mu_{12}\mu_{50})/\mu_{00}^{10} \end{aligned}$$

weight=6

structure: 2,1,0,1

Generating graph:

| | | | | | |
|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 3 | 3 | 4 | 4 |



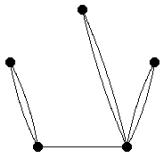
$$
\begin{aligned}
I_{44} \;=\; & (-\mu_{20}^3\mu_{12}\mu_{05} + \mu_{20}^3\mu_{03}\mu_{14} + 2\mu_{20}^2\mu_{11}\mu_{21}\mu_{05} + 2\mu_{20}^2\mu_{11}\mu_{12}\mu_{14} \\
& -4\mu_{20}^2\mu_{11}\mu_{03}\mu_{23} - \mu_{20}^2\mu_{02}\mu_{30}\mu_{05} + \mu_{20}^2\mu_{02}\mu_{21}\mu_{14} - 2\mu_{20}^2\mu_{02}\mu_{12}\mu_{23} \\
& +2\mu_{20}^2\mu_{02}\mu_{03}\mu_{32} - 8\mu_{20}\mu_{11}^2\mu_{21}\mu_{14} + 4\mu_{20}\mu_{11}^2\mu_{12}\mu_{23} + 4\mu_{20}\mu_{11}^2\mu_{03}\mu_{32} \\
& +4\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{14} - 4\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{41} - 2\mu_{20}\mu_{02}^2\mu_{30}\mu_{23} \\
& +2\mu_{20}\mu_{02}^2\mu_{21}\mu_{32} - \mu_{20}\mu_{02}^2\mu_{12}\mu_{41} + \mu_{20}\mu_{02}^2\mu_{03}\mu_{50} + 8\mu_{11}^3\mu_{21}\mu_{23} \\
& -8\mu_{11}^3\mu_{12}\mu_{32} - 4\mu_{11}^2\mu_{02}\mu_{30}\mu_{23} - 4\mu_{11}^2\mu_{02}\mu_{21}\mu_{32} + 8\mu_{11}^2\mu_{02}\mu_{12}\mu_{41} \\
& +4\mu_{11}\mu_{02}^2\mu_{30}\mu_{32} - 2\mu_{11}\mu_{02}^2\mu_{21}\mu_{41} - 2\mu_{11}\mu_{02}^2\mu_{12}\mu_{50} - \mu_{02}^3\mu_{30}\mu_{41} \\
& +\mu_{02}^3\mu_{21}\mu_{50})/\mu_{00}^{12}
\end{aligned}
$$

weight=7

structure: 3,1,0,1

Generating graph:

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 |



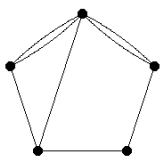
$$
\begin{aligned}
I_{45} \;=\; & (\mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{05} - \mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{14} - 2\mu_{20}\mu_{30}\mu_{12}^2\mu_{14} \\
& +3\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{23} - \mu_{20}\mu_{30}\mu_{03}^2\mu_{32} - \mu_{20}\mu_{21}^3\mu_{05} + 3\mu_{20}\mu_{21}^2\mu_{12}\mu_{14} \\
& -3\mu_{20}\mu_{21}\mu_{12}^2\mu_{23} - \mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{32} + \mu_{20}\mu_{21}\mu_{03}^2\mu_{41} + 2\mu_{20}\mu_{12}^3\mu_{32} \\
& -\mu_{20}\mu_{12}^2\mu_{03}\mu_{41} - \mu_{11}\mu_{30}^2\mu_{12}\mu_{05} + \mu_{11}\mu_{30}^2\mu_{03}\mu_{14} + \mu_{11}\mu_{30}\mu_{21}^2\mu_{05} \\
& -2\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{23} + 2\mu_{11}\mu_{30}\mu_{12}^2\mu_{23} - 2\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{32} \\
& +\mu_{11}\mu_{30}\mu_{03}^2\mu_{41} - \mu_{11}\mu_{21}^3\mu_{14} + 2\mu_{11}\mu_{21}^2\mu_{03}\mu_{32} - \mu_{11}\mu_{21}\mu_{03}^2\mu_{50} \\
& -\mu_{11}\mu_{12}^3\mu_{41} + \mu_{11}\mu_{12}^2\mu_{03}\mu_{50} + \mu_{02}\mu_{30}^2\mu_{12}\mu_{14} - \mu_{02}\mu_{30}^2\mu_{03}\mu_{23} \\
& -\mu_{02}\mu_{30}\mu_{21}^2\mu_{14} - \mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{23} + 3\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{32} \\
& -\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{41} + 2\mu_{02}\mu_{21}^3\mu_{23} - 3\mu_{02}\mu_{21}^2\mu_{12}\mu_{32} - 2\mu_{02}\mu_{21}^2\mu_{03}\mu_{41} \\
& +3\mu_{02}\mu_{21}\mu_{12}^2\mu_{41} + \mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{50} - \mu_{02}\mu_{12}^3\mu_{50})/\mu_{00}^{13}
\end{aligned}
$$

weight=8

structure: 1,3,0,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |



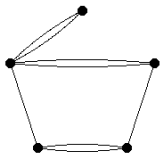
$$
\begin{aligned}
I_{46} \;=\; & (-\mu_{20}\mu_{30}^2\mu_{03}\mu_{05} + 3\mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{05} + 3\mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{14} \\
& -6\mu_{20}\mu_{30}\mu_{12}^2\mu_{14} + 3\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{23} - \mu_{20}\mu_{30}\mu_{03}^2\mu_{32} - 2\mu_{20}\mu_{21}^3\mu_{05} \\
& +3\mu_{20}\mu_{21}^2\mu_{12}\mu_{14} - 6\mu_{20}\mu_{21}^2\mu_{03}\mu_{23} + 3\mu_{20}\mu_{21}\mu_{12}^2\mu_{23} \\
& +3\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{32} - 2\mu_{20}\mu_{12}^3\mu_{32} + 2\mu_{11}\mu_{30}^2\mu_{03}\mu_{14} \\
& -6\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{14} - 6\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{23} + 12\mu_{11}\mu_{30}\mu_{12}^2\mu_{23} \\
& -6\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{32} + 2\mu_{11}\mu_{30}\mu_{03}^2\mu_{41} + 4\mu_{11}\mu_{21}^3\mu_{14} - 6\mu_{11}\mu_{21}^2\mu_{12}\mu_{23} \\
& +12\mu_{11}\mu_{21}^2\mu_{03}\mu_{32} - 6\mu_{11}\mu_{21}\mu_{12}^2\mu_{32} - 6\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{41} + 4\mu_{11}\mu_{12}^3\mu_{41} \\
& -\mu_{02}\mu_{30}^2\mu_{03}\mu_{23} + 3\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{23} + 3\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{32} \\
& -6\mu_{02}\mu_{30}\mu_{12}^2\mu_{32} + 3\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{41} - \mu_{02}\mu_{30}\mu_{03}^2\mu_{50} - 2\mu_{02}\mu_{21}^3\mu_{23} \\
& +3\mu_{02}\mu_{21}^2\mu_{12}\mu_{32} - 6\mu_{02}\mu_{21}^2\mu_{03}\mu_{41} + 3\mu_{02}\mu_{21}\mu_{12}^2\mu_{41} \\
& +3\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{50} - 2\mu_{02}\mu_{12}^3\mu_{50})/\mu_{00}^{13}
\end{aligned}
$$

weight=8

structure: 1,3,0,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



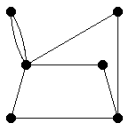
$$
\begin{aligned}
I_{47} \;=\; & (-\mu_{20}^4\mu_{03}\mu_{05} + 3\mu_{20}^3\mu_{11}\mu_{12}\mu_{05} + 5\mu_{20}^3\mu_{11}\mu_{03}\mu_{14} - 3\mu_{20}^3\mu_{02}\mu_{12}\mu_{14} \\
& -\mu_{20}^3\mu_{02}\mu_{03}\mu_{23} - 3\mu_{20}^2\mu_{11}^2\mu_{21}\mu_{05} - 12\mu_{20}^2\mu_{11}^2\mu_{12}\mu_{14} - 9\mu_{20}^2\mu_{11}^2\mu_{03}\mu_{23} \\
& +6\mu_{20}^2\mu_{11}\mu_{02}\mu_{21}\mu_{14} + 15\mu_{20}^2\mu_{11}\mu_{02}\mu_{12}\mu_{23} + 3\mu_{20}^2\mu_{11}\mu_{02}\mu_{03}\mu_{32} \\
& -3\mu_{20}^2\mu_{02}^2\mu_{21}\mu_{23} - 3\mu_{20}^2\mu_{02}^2\mu_{12}\mu_{32} + \mu_{20}\mu_{11}^3\mu_{30}\mu_{05} + 9\mu_{20}\mu_{11}^3\mu_{21}\mu_{14} \\
& +15\mu_{20}\mu_{11}^3\mu_{12}\mu_{23} + 7\mu_{20}\mu_{11}^3\mu_{03}\mu_{32} - 3\mu_{20}\mu_{11}^2\mu_{02}\mu_{30}\mu_{14} \\
& -21\mu_{20}\mu_{11}^2\mu_{02}\mu_{21}\mu_{23} - 21\mu_{20}\mu_{11}^2\mu_{02}\mu_{12}\mu_{32} - 3\mu_{20}\mu_{11}^2\mu_{02}\mu_{03}\mu_{41} \\
& +3\mu_{20}\mu_{11}\mu_{02}^2\mu_{30}\mu_{23} + 15\mu_{20}\mu_{11}\mu_{02}^2\mu_{21}\mu_{32} + 6\mu_{20}\mu_{11}\mu_{02}^2\mu_{12}\mu_{41} \\
& -\mu_{20}\mu_{02}^3\mu_{30}\mu_{32} - 3\mu_{20}\mu_{02}^3\mu_{21}\mu_{41} - 2\mu_{11}^4\mu_{30}\mu_{14} - 6\mu_{11}^4\mu_{21}\mu_{23} \\
& -6\mu_{11}^4\mu_{12}\mu_{32} - 2\mu_{11}^4\mu_{03}\mu_{41} + 7\mu_{11}^3\mu_{02}\mu_{30}\mu_{23} + 15\mu_{11}^3\mu_{02}\mu_{21}\mu_{32} \\
& +9\mu_{11}^3\mu_{02}\mu_{12}\mu_{41} + \mu_{11}^3\mu_{02}\mu_{03}\mu_{50} - 9\mu_{11}^2\mu_{02}^2\mu_{30}\mu_{32} - 12\mu_{11}^2\mu_{02}^2\mu_{21}\mu_{41} \\
& -3\mu_{11}^2\mu_{02}^2\mu_{12}\mu_{50} + 5\mu_{11}\mu_{02}^3\mu_{30}\mu_{41} + 3\mu_{11}\mu_{02}^3\mu_{21}\mu_{50} - \mu_{02}^4\mu_{30}\mu_{50})/\mu_{00}^{14}
\end{aligned}
$$

weight=8

structure: 4,1,0,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 3 | 4 |
| 2 | 3 | 4 | 5 | 5 | 6 | 6 | 6 |



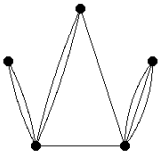
$$
\begin{aligned}
I_{48} \;=\; & (-2\mu_{20}\mu_{30}\mu_{21}\mu_{23}\mu_{05} + 2\mu_{20}\mu_{30}\mu_{21}\mu_{14}^2 + 2\mu_{20}\mu_{30}\mu_{12}\mu_{32}\mu_{05} \\
& -2\mu_{20}\mu_{30}\mu_{12}\mu_{23}\mu_{14} - \mu_{20}\mu_{30}\mu_{03}\mu_{41}\mu_{05} + 2\mu_{20}\mu_{30}\mu_{03}\mu_{32}\mu_{14} \\
& -\mu_{20}\mu_{30}\mu_{03}\mu_{23}^2 + 3\mu_{20}\mu_{21}^2\mu_{32}\mu_{05} - 3\mu_{20}\mu_{21}^2\mu_{23}\mu_{14} \\
& -3\mu_{20}\mu_{21}\mu_{12}\mu_{41}\mu_{05} - 6\mu_{20}\mu_{21}\mu_{12}\mu_{32}\mu_{14} + 9\mu_{20}\mu_{21}\mu_{12}\mu_{23}^2 \\
& +\mu_{20}\mu_{21}\mu_{03}\mu_{50}\mu_{05} + \mu_{20}\mu_{21}\mu_{03}\mu_{41}\mu_{14} - 2\mu_{20}\mu_{21}\mu_{03}\mu_{32}\mu_{23} \\
& +6\mu_{20}\mu_{12}^2\mu_{41}\mu_{14} - 6\mu_{20}\mu_{12}^2\mu_{32}\mu_{23} - 2\mu_{20}\mu_{12}\mu_{03}\mu_{50}\mu_{14} \\
& -2\mu_{20}\mu_{12}\mu_{03}\mu_{41}\mu_{23} + 4\mu_{20}\mu_{12}\mu_{03}\mu_{32}^2 + \mu_{20}\mu_{03}^2\mu_{50}\mu_{23} \\
& -\mu_{20}\mu_{03}^2\mu_{41}\mu_{32} + 2\mu_{11}\mu_{30}^2\mu_{23}\mu_{05} - 2\mu_{11}\mu_{30}^2\mu_{14}^2 - 4\mu_{11}\mu_{30}\mu_{21}\mu_{32}\mu_{05} \\
& +4\mu_{11}\mu_{30}\mu_{21}\mu_{23}\mu_{14} + 2\mu_{11}\mu_{30}\mu_{12}\mu_{41}\mu_{05} - 4\mu_{11}\mu_{30}\mu_{12}\mu_{32}\mu_{14} \\
& +2\mu_{11}\mu_{30}\mu_{12}\mu_{23}^2 + 6\mu_{11}\mu_{21}^2\mu_{32}\mu_{14} - 6\mu_{11}\mu_{21}^2\mu_{23}^2 - 2\mu_{11}\mu_{21}\mu_{03}\mu_{50}\mu_{14} \\
& +4\mu_{11}\mu_{21}\mu_{03}\mu_{41}\mu_{23} - 2\mu_{11}\mu_{21}\mu_{03}\mu_{32}^2 - 6\mu_{11}\mu_{12}^2\mu_{41}\mu_{23} + 6\mu_{11}\mu_{12}^2\mu_{32}^2 \\
& +4\mu_{11}\mu_{12}\mu_{03}\mu_{50}\mu_{23} - 4\mu_{11}\mu_{12}\mu_{03}\mu_{41}\mu_{32} - 2\mu_{11}\mu_{03}^2\mu_{50}\mu_{32} \\
& +2\mu_{11}\mu_{03}^2\mu_{41}^2 - \mu_{02}\mu_{30}^2\mu_{32}\mu_{05} + \mu_{02}\mu_{30}^2\mu_{23}\mu_{14} + 2\mu_{02}\mu_{30}\mu_{21}\mu_{41}\mu_{05} \\
& +2\mu_{02}\mu_{30}\mu_{21}\mu_{32}\mu_{14} - 4\mu_{02}\mu_{30}\mu_{21}\mu_{23}^2 - \mu_{02}\mu_{30}\mu_{12}\mu_{50}\mu_{05} \\
& -\mu_{02}\mu_{30}\mu_{12}\mu_{41}\mu_{14} + 2\mu_{02}\mu_{30}\mu_{12}\mu_{32}\mu_{23} + \mu_{02}\mu_{30}\mu_{03}\mu_{50}\mu_{14} \\
& -2\mu_{02}\mu_{30}\mu_{03}\mu_{41}\mu_{23} + \mu_{02}\mu_{30}\mu_{03}\mu_{32}^2 - 6\mu_{02}\mu_{21}^2\mu_{41}\mu_{14} \\
& +6\mu_{02}\mu_{21}^2\mu_{32}\mu_{23} + 3\mu_{02}\mu_{21}\mu_{12}\mu_{50}\mu_{14} + 6\mu_{02}\mu_{21}\mu_{12}\mu_{41}\mu_{23} \\
& -9\mu_{02}\mu_{21}\mu_{12}\mu_{32}^2 - 2\mu_{02}\mu_{21}\mu_{03}\mu_{50}\mu_{23} + 2\mu_{02}\mu_{21}\mu_{03}\mu_{41}\mu_{32} \\
& -3\mu_{02}\mu_{12}^2\mu_{50}\mu_{23} + 3\mu_{02}\mu_{12}^2\mu_{41}\mu_{32} + 2\mu_{02}\mu_{12}\mu_{03}\mu_{50}\mu_{32} \\
& -2\mu_{02}\mu_{12}\mu_{03}\mu_{41}^2)/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 1,2,0,2

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |



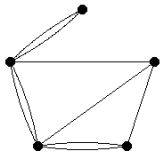
$$
\begin{aligned}
I_{49} \;=\; & (\mu_{20}\mu_{30}\mu_{03}\mu_{41}\mu_{05} - 4\mu_{20}\mu_{30}\mu_{03}\mu_{32}\mu_{14} + 3\mu_{20}\mu_{30}\mu_{03}\mu_{23}^2 \\
& -\mu_{20}\mu_{21}\mu_{12}\mu_{41}\mu_{05} + 4\mu_{20}\mu_{21}\mu_{12}\mu_{32}\mu_{14} - 3\mu_{20}\mu_{21}\mu_{12}\mu_{23}^2 \\
& -\mu_{20}\mu_{21}\mu_{03}\mu_{50}\mu_{05} + 3\mu_{20}\mu_{21}\mu_{03}\mu_{41}\mu_{14} - 2\mu_{20}\mu_{21}\mu_{03}\mu_{32}\mu_{23} \\
& +\mu_{20}\mu_{12}^2\mu_{50}\mu_{05} - 3\mu_{20}\mu_{12}^2\mu_{41}\mu_{14} + 2\mu_{20}\mu_{12}^2\mu_{32}\mu_{23} \\
& -2\mu_{11}\mu_{30}\mu_{12}\mu_{41}\mu_{05} + 8\mu_{11}\mu_{30}\mu_{12}\mu_{32}\mu_{14} - 6\mu_{11}\mu_{30}\mu_{12}\mu_{23}^2 \\
& +2\mu_{11}\mu_{21}^2\mu_{41}\mu_{05} - 8\mu_{11}\mu_{21}^2\mu_{32}\mu_{14} + 6\mu_{11}\mu_{21}^2\mu_{23}^2 + 2\mu_{11}\mu_{21}\mu_{03}\mu_{50}\mu_{14} \\
& -8\mu_{11}\mu_{21}\mu_{03}\mu_{41}\mu_{23} + 6\mu_{11}\mu_{21}\mu_{03}\mu_{32}^2 - 2\mu_{11}\mu_{12}^2\mu_{50}\mu_{14} \\
& +8\mu_{11}\mu_{12}^2\mu_{41}\mu_{23} - 6\mu_{11}\mu_{12}^2\mu_{32}^2 + \mu_{02}\mu_{30}\mu_{12}\mu_{50}\mu_{05} \\
& -3\mu_{02}\mu_{30}\mu_{12}\mu_{41}\mu_{14} + 2\mu_{02}\mu_{30}\mu_{12}\mu_{32}\mu_{23} - \mu_{02}\mu_{30}\mu_{03}\mu_{50}\mu_{14} \\
& +4\mu_{02}\mu_{30}\mu_{03}\mu_{41}\mu_{23} - 3\mu_{02}\mu_{30}\mu_{03}\mu_{32}^2 - \mu_{02}\mu_{21}^2\mu_{50}\mu_{05} \\
& +3\mu_{02}\mu_{21}^2\mu_{41}\mu_{14} - 2\mu_{02}\mu_{21}^2\mu_{32}\mu_{23} + \mu_{02}\mu_{21}\mu_{12}\mu_{50}\mu_{14} \\
& -4\mu_{02}\mu_{21}\mu_{12}\mu_{41}\mu_{23} + 3\mu_{02}\mu_{21}\mu_{12}\mu_{32}^2)/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 1,2,0,2

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 4 |
| 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



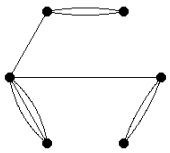
$$
\begin{aligned}
I_{50} \;=\; & (-\mu_{20}^2\mu_{30}\mu_{12}^2\mu_{05} + 2\mu_{20}^2\mu_{30}\mu_{12}\mu_{03}\mu_{14} - \mu_{20}^2\mu_{30}\mu_{03}^2\mu_{23} \\
& +3\mu_{20}^2\mu_{21}\mu_{12}^2\mu_{14} - 6\mu_{20}^2\mu_{21}\mu_{12}\mu_{03}\mu_{23} + 3\mu_{20}^2\mu_{21}\mu_{03}^2\mu_{32} - 3\mu_{20}^2\mu_{12}^3\mu_{23} \\
& +7\mu_{20}^2\mu_{12}^2\mu_{03}\mu_{32} - 5\mu_{20}^2\mu_{12}\mu_{03}^2\mu_{41} + \mu_{20}^2\mu_{03}^3\mu_{50} \\
& +4\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{05} - 4\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{14} \\
& -4\mu_{20}\mu_{11}\mu_{30}\mu_{12}^2\mu_{14} + 4\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{23} - 12\mu_{20}\mu_{11}\mu_{21}^2\mu_{12}\mu_{14} \\
& +12\mu_{20}\mu_{11}\mu_{21}^2\mu_{03}\mu_{23} + 24\mu_{20}\mu_{11}\mu_{21}\mu_{12}^2\mu_{23} - 28\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{32} \\
& +4\mu_{20}\mu_{11}\mu_{21}\mu_{03}^2\mu_{41} - 12\mu_{20}\mu_{11}\mu_{12}^3\mu_{32} + 16\mu_{20}\mu_{11}\mu_{12}^2\mu_{03}\mu_{41} \\
& -4\mu_{20}\mu_{11}\mu_{12}\mu_{03}^2\mu_{50} - 2\mu_{20}\mu_{02}\mu_{30}^2\mu_{12}\mu_{05} + 2\mu_{20}\mu_{02}\mu_{30}^2\mu_{03}\mu_{14} \\
& +8\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{14} - 8\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{23} \\
& -6\mu_{20}\mu_{02}\mu_{30}\mu_{12}^2\mu_{23} + 8\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{32} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{03}^2\mu_{41} \\
& -6\mu_{20}\mu_{02}\mu_{21}^2\mu_{12}\mu_{23} + 6\mu_{20}\mu_{02}\mu_{21}^2\mu_{03}\mu_{32} + 6\mu_{20}\mu_{02}\mu_{21}\mu_{12}^2\mu_{32} \\
& -8\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{41} + 2\mu_{20}\mu_{02}\mu_{21}\mu_{03}^2\mu_{50} - 4\mu_{11}^2\mu_{30}\mu_{21}^2\mu_{05} \\
& +8\mu_{11}^2\mu_{30}\mu_{21}\mu_{12}\mu_{14} - 4\mu_{11}^2\mu_{30}\mu_{12}^2\mu_{23} + 12\mu_{11}^2\mu_{21}^3\mu_{14} - 36\mu_{11}^2\mu_{21}^2\mu_{12}\mu_{23} \\
& +4\mu_{11}^2\mu_{21}^2\mu_{03}\mu_{32} + 36\mu_{11}^2\mu_{21}\mu_{12}^2\mu_{32} - 8\mu_{11}^2\mu_{21}\mu_{12}\mu_{03}\mu_{41} - 12\mu_{11}^2\mu_{12}^3\mu_{41} \\
& +4\mu_{11}^2\mu_{12}^2\mu_{03}\mu_{50} + 4\mu_{11}\mu_{02}\mu_{30}^2\mu_{21}\mu_{05} - 4\mu_{11}\mu_{02}\mu_{30}^2\mu_{12}\mu_{14} \\
& -16\mu_{11}\mu_{02}\mu_{30}\mu_{21}^2\mu_{14} + 28\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{23} \\
& -4\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{32} - 12\mu_{11}\mu_{02}\mu_{30}\mu_{12}^2\mu_{32} \\
& +4\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{41} + 12\mu_{11}\mu_{02}\mu_{21}^3\mu_{23} - 24\mu_{11}\mu_{02}\mu_{21}^2\mu_{12}\mu_{32} \\
& +4\mu_{11}\mu_{02}\mu_{21}^2\mu_{03}\mu_{41} + 12\mu_{11}\mu_{02}\mu_{21}\mu_{12}^2\mu_{41} - 4\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{50} \\
& -\mu_{02}^2\mu_{30}^3\mu_{05} + 5\mu_{02}^2\mu_{30}^2\mu_{21}\mu_{14} - 3\mu_{02}^2\mu_{30}^2\mu_{12}\mu_{23} + \mu_{02}^2\mu_{30}^2\mu_{03}\mu_{32} \\
& -7\mu_{02}^2\mu_{30}\mu_{21}^2\mu_{23} + 6\mu_{02}^2\mu_{30}\mu_{21}\mu_{12}\mu_{32} - 2\mu_{02}^2\mu_{30}\mu_{21}\mu_{03}\mu_{41} \\
& +3\mu_{02}^2\mu_{21}^3\mu_{32} - 3\mu_{02}^2\mu_{21}^2\mu_{12}\mu_{41} + \mu_{02}^2\mu_{21}^2\mu_{03}\mu_{50})/\mu_{00}^{15}
\end{aligned}
$$

weight=9

structure: 2,3,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 |
| 2 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 |



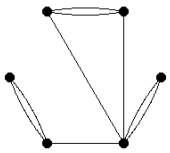
$$
\begin{aligned}
I_{51} \;=\; & (-\mu_{20}^2\mu_{30}\mu_{12}^2\mu_{05} + 2\mu_{20}^2\mu_{30}\mu_{12}\mu_{03}\mu_{14} - \mu_{20}^2\mu_{30}\mu_{03}^2\mu_{23} \\
& +\mu_{20}^2\mu_{21}^2\mu_{12}\mu_{05} - \mu_{20}^2\mu_{21}^2\mu_{03}\mu_{14} - \mu_{20}^2\mu_{21}\mu_{12}^2\mu_{14} + \mu_{20}^2\mu_{21}\mu_{03}^2\mu_{32} \\
& +\mu_{20}^2\mu_{12}^3\mu_{23} - \mu_{20}^2\mu_{12}^2\mu_{03}\mu_{32} + 2\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{05} \\
& -2\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{14} - 2\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{23} \\
& +2\mu_{20}\mu_{11}\mu_{30}\mu_{03}^2\mu_{32} - 2\mu_{20}\mu_{11}\mu_{21}^3\mu_{05} + 2\mu_{20}\mu_{11}\mu_{21}^2\mu_{12}\mu_{14} \\
& +4\mu_{20}\mu_{11}\mu_{21}^2\mu_{03}\mu_{23} - 2\mu_{20}\mu_{11}\mu_{21}\mu_{12}^2\mu_{23} - 2\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{32} \\
& -2\mu_{20}\mu_{11}\mu_{21}\mu_{03}^2\mu_{41} + 2\mu_{20}\mu_{11}\mu_{12}^2\mu_{03}\mu_{41} - \mu_{20}\mu_{02}\mu_{30}^2\mu_{12}\mu_{05} \\
& +\mu_{20}\mu_{02}\mu_{30}^2\mu_{03}\mu_{14} + \mu_{20}\mu_{02}\mu_{30}\mu_{21}^2\mu_{05} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{23} \\
& +2\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{32} - \mu_{20}\mu_{02}\mu_{30}\mu_{03}^2\mu_{41} - \mu_{20}\mu_{02}\mu_{21}^3\mu_{14} \\
& +2\mu_{20}\mu_{02}\mu_{21}^2\mu_{12}\mu_{23} - 2\mu_{20}\mu_{02}\mu_{21}\mu_{12}^2\mu_{32} + \mu_{20}\mu_{02}\mu_{21}\mu_{03}^2\mu_{50} \\
& +\mu_{20}\mu_{02}\mu_{12}^3\mu_{41} - \mu_{20}\mu_{02}\mu_{12}^2\mu_{03}\mu_{50} - 4\mu_{11}^2\mu_{30}\mu_{21}\mu_{12}\mu_{14} \\
& +4\mu_{11}^2\mu_{30}\mu_{21}\mu_{03}\mu_{23} + 4\mu_{11}^2\mu_{30}\mu_{12}^2\mu_{23} - 4\mu_{11}^2\mu_{30}\mu_{12}\mu_{03}\mu_{32} \\
& +4\mu_{11}^2\mu_{21}^3\mu_{14} - 8\mu_{11}^2\mu_{21}^2\mu_{12}\mu_{23} - 4\mu_{11}^2\mu_{21}^2\mu_{03}\mu_{32} + 8\mu_{11}^2\mu_{21}\mu_{12}^2\mu_{32} \\
& +4\mu_{11}^2\mu_{21}\mu_{12}\mu_{03}\mu_{41} - 4\mu_{11}^2\mu_{12}^3\mu_{41} + 2\mu_{11}\mu_{02}\mu_{30}^2\mu_{12}\mu_{14} \\
& -2\mu_{11}\mu_{02}\mu_{30}^2\mu_{03}\mu_{23} - 2\mu_{11}\mu_{02}\mu_{30}\mu_{21}^2\mu_{14} + 2\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{23} \\
& +2\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{32} - 4\mu_{11}\mu_{02}\mu_{30}\mu_{12}^2\mu_{32} \\
& +2\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{41} + 2\mu_{11}\mu_{02}\mu_{21}^2\mu_{12}\mu_{32} - 2\mu_{11}\mu_{02}\mu_{21}\mu_{12}^2\mu_{41} \\
& -2\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{50} + 2\mu_{11}\mu_{02}\mu_{12}^3\mu_{50} - \mu_{02}^2\mu_{30}^2\mu_{12}\mu_{23} \\
& +\mu_{02}^2\mu_{30}^2\mu_{03}\mu_{32} + \mu_{02}^2\mu_{30}\mu_{21}^2\mu_{23} - 2\mu_{02}^2\mu_{30}\mu_{21}\mu_{03}\mu_{41} \\
& +\mu_{02}^2\mu_{30}\mu_{12}^2\mu_{41} - \mu_{02}^2\mu_{21}^3\mu_{32} + \mu_{02}^2\mu_{21}^2\mu_{12}\mu_{41} + \mu_{02}^2\mu_{21}^2\mu_{03}\mu_{50} \\
& -\mu_{02}^2\mu_{21}\mu_{12}^2\mu_{50})/\mu_{00}^{15}
\end{aligned}
$$

weight=9

structure: 2,3,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 |
| 2 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |



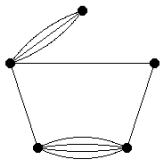
$$
\begin{aligned}
I_{52} \;=\; & (-\mu_{20}\mu_{30}\mu_{50}\mu_{05}^2 + 5\mu_{20}\mu_{30}\mu_{41}\mu_{14}\mu_{05} - 2\mu_{20}\mu_{30}\mu_{32}\mu_{23}\mu_{05} \\
& -8\mu_{20}\mu_{30}\mu_{32}\mu_{14}^2 + 6\mu_{20}\mu_{30}\mu_{23}^2\mu_{14} + 3\mu_{20}\mu_{21}\mu_{50}\mu_{14}\mu_{05} \\
& -6\mu_{20}\mu_{21}\mu_{41}\mu_{23}\mu_{05} - 9\mu_{20}\mu_{21}\mu_{41}\mu_{14}^2 + 30\mu_{20}\mu_{21}\mu_{32}\mu_{23}\mu_{14} \\
& -18\mu_{20}\mu_{21}\mu_{23}^3 - 3\mu_{20}\mu_{12}\mu_{50}\mu_{23}\mu_{05} + 6\mu_{20}\mu_{12}\mu_{41}\mu_{32}\mu_{05} \\
& +9\mu_{20}\mu_{12}\mu_{41}\mu_{23}\mu_{14} - 24\mu_{20}\mu_{12}\mu_{32}^2\mu_{14} + 12\mu_{20}\mu_{12}\mu_{32}\mu_{23}^2 \\
& +\mu_{20}\mu_{03}\mu_{50}\mu_{32}\mu_{05} - 2\mu_{20}\mu_{03}\mu_{41}^2\mu_{05} + 5\mu_{20}\mu_{03}\mu_{41}\mu_{32}\mu_{14} \\
& -6\mu_{20}\mu_{03}\mu_{41}\mu_{23}^2 + 2\mu_{20}\mu_{03}\mu_{32}^2\mu_{23} + 2\mu_{11}\mu_{30}\mu_{50}\mu_{14}\mu_{05} \\
& -10\mu_{11}\mu_{30}\mu_{41}\mu_{23}\mu_{05} + 6\mu_{11}\mu_{30}\mu_{32}^2\mu_{05} + 8\mu_{11}\mu_{30}\mu_{32}\mu_{23}\mu_{14} \\
& -6\mu_{11}\mu_{30}\mu_{23}^3 - 6\mu_{11}\mu_{21}\mu_{50}\mu_{14}^2 + 6\mu_{11}\mu_{21}\mu_{41}\mu_{32}\mu_{05} \\
& +24\mu_{11}\mu_{21}\mu_{41}\mu_{23}\mu_{14} - 42\mu_{11}\mu_{21}\mu_{32}^2\mu_{14} + 18\mu_{11}\mu_{21}\mu_{32}\mu_{23}^2 \\
& +6\mu_{11}\mu_{12}\mu_{50}\mu_{23}\mu_{14} - 6\mu_{11}\mu_{12}\mu_{41}^2\mu_{05} + 24\mu_{11}\mu_{12}\mu_{41}\mu_{32}\mu_{14} \\
& -42\mu_{11}\mu_{12}\mu_{41}\mu_{23}^2 + 18\mu_{11}\mu_{12}\mu_{32}^2\mu_{23} + 2\mu_{11}\mu_{03}\mu_{50}\mu_{41}\mu_{05} \\
& -10\mu_{11}\mu_{03}\mu_{50}\mu_{32}\mu_{14} + 6\mu_{11}\mu_{03}\mu_{50}\mu_{23}^2 + 8\mu_{11}\mu_{03}\mu_{41}\mu_{32}\mu_{23} \\
& -6\mu_{11}\mu_{03}\mu_{32}^3 + \mu_{02}\mu_{30}\mu_{50}\mu_{23}\mu_{05} - 2\mu_{02}\mu_{30}\mu_{50}\mu_{14}^2 \\
& +5\mu_{02}\mu_{30}\mu_{41}\mu_{23}\mu_{14} - 6\mu_{02}\mu_{30}\mu_{32}^2\mu_{14} + 2\mu_{02}\mu_{30}\mu_{32}\mu_{23}^2 \\
& -3\mu_{02}\mu_{21}\mu_{50}\mu_{32}\mu_{05} + 6\mu_{02}\mu_{21}\mu_{50}\mu_{23}\mu_{14} + 9\mu_{02}\mu_{21}\mu_{41}\mu_{32}\mu_{14} \\
& -24\mu_{02}\mu_{21}\mu_{41}\mu_{23}^2 + 12\mu_{02}\mu_{21}\mu_{32}^2\mu_{23} + 3\mu_{02}\mu_{12}\mu_{50}\mu_{41}\mu_{05} \\
& -6\mu_{02}\mu_{12}\mu_{50}\mu_{32}\mu_{14} - 9\mu_{02}\mu_{12}\mu_{41}^2\mu_{14} + 30\mu_{02}\mu_{12}\mu_{41}\mu_{32}\mu_{23} \\
& -18\mu_{02}\mu_{12}\mu_{32}^3 - \mu_{02}\mu_{03}\mu_{50}^2\mu_{05} + 5\mu_{02}\mu_{03}\mu_{50}\mu_{41}\mu_{14} \\
& -2\mu_{02}\mu_{03}\mu_{50}\mu_{32}\mu_{23} - 8\mu_{02}\mu_{03}\mu_{41}^2\mu_{23} + 6\mu_{02}\mu_{03}\mu_{41}\mu_{32}^2)/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,1,0,3

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |



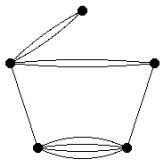
$$
\begin{aligned}
I_{53} \;=\; & (-\mu_{20}\mu_{30}\mu_{50}\mu_{05}^2 + 5\mu_{20}\mu_{30}\mu_{41}\mu_{14}\mu_{05} - 2\mu_{20}\mu_{30}\mu_{32}\mu_{23}\mu_{05} \\
& -8\mu_{20}\mu_{30}\mu_{32}\mu_{14}^2 + 6\mu_{20}\mu_{30}\mu_{23}^2\mu_{14} + 3\mu_{20}\mu_{21}\mu_{50}\mu_{14}\mu_{05} \\
& -12\mu_{20}\mu_{21}\mu_{41}\mu_{23}\mu_{05} - 3\mu_{20}\mu_{21}\mu_{41}\mu_{14}^2 + 6\mu_{20}\mu_{21}\mu_{32}^2\mu_{05} \\
& +18\mu_{20}\mu_{21}\mu_{32}\mu_{23}\mu_{14} - 12\mu_{20}\mu_{21}\mu_{23}^3 + \mu_{20}\mu_{12}\mu_{50}\mu_{23}\mu_{05} \\
& -4\mu_{20}\mu_{12}\mu_{50}\mu_{14}^2 + 2\mu_{20}\mu_{12}\mu_{41}\mu_{32}\mu_{05} + 13\mu_{20}\mu_{12}\mu_{41}\mu_{23}\mu_{14} \\
& -20\mu_{20}\mu_{12}\mu_{32}^2\mu_{14} + 8\mu_{20}\mu_{12}\mu_{32}\mu_{23}^2 - \mu_{20}\mu_{03}\mu_{50}\mu_{32}\mu_{05} \\
& +2\mu_{20}\mu_{03}\mu_{50}\mu_{23}\mu_{14} + 3\mu_{20}\mu_{03}\mu_{41}\mu_{32}\mu_{14} - 8\mu_{20}\mu_{03}\mu_{41}\mu_{23}^2 \\
& +4\mu_{20}\mu_{03}\mu_{32}^2\mu_{23} + 2\mu_{11}\mu_{30}\mu_{50}\mu_{14}\mu_{05} - 4\mu_{11}\mu_{30}\mu_{41}\mu_{23}\mu_{05} \\
& -6\mu_{11}\mu_{30}\mu_{41}\mu_{14}^2 + 20\mu_{11}\mu_{30}\mu_{32}\mu_{23}\mu_{14} - 12\mu_{11}\mu_{30}\mu_{23}^3 \\
& -2\mu_{11}\mu_{21}\mu_{50}\mu_{23}\mu_{05} - 4\mu_{11}\mu_{21}\mu_{50}\mu_{14}^2 + 8\mu_{11}\mu_{21}\mu_{41}\mu_{32}\mu_{05} \\
& +22\mu_{11}\mu_{21}\mu_{41}\mu_{23}\mu_{14} - 44\mu_{11}\mu_{21}\mu_{32}^2\mu_{14} + 20\mu_{11}\mu_{21}\mu_{32}\mu_{23}^2 \\
& -2\mu_{11}\mu_{12}\mu_{50}\mu_{32}\mu_{05} + 8\mu_{11}\mu_{12}\mu_{50}\mu_{23}\mu_{14} - 4\mu_{11}\mu_{12}\mu_{41}^2\mu_{05} \\
& +22\mu_{11}\mu_{12}\mu_{41}\mu_{32}\mu_{14} - 44\mu_{11}\mu_{12}\mu_{41}\mu_{23}^2 + 20\mu_{11}\mu_{12}\mu_{32}^2\mu_{23} \\
& +2\mu_{11}\mu_{03}\mu_{50}\mu_{41}\mu_{05} - 4\mu_{11}\mu_{03}\mu_{50}\mu_{32}\mu_{14} - 6\mu_{11}\mu_{03}\mu_{41}^2\mu_{14} \\
& +20\mu_{11}\mu_{03}\mu_{41}\mu_{32}\mu_{23} - 12\mu_{11}\mu_{03}\mu_{32}^3 - \mu_{02}\mu_{30}\mu_{50}\mu_{23}\mu_{05} \\
& +2\mu_{02}\mu_{30}\mu_{41}\mu_{32}\mu_{05} + 3\mu_{02}\mu_{30}\mu_{41}\mu_{23}\mu_{14} - 8\mu_{02}\mu_{30}\mu_{32}^2\mu_{14} \\
& +4\mu_{02}\mu_{30}\mu_{32}\mu_{23}^2 + \mu_{02}\mu_{21}\mu_{50}\mu_{32}\mu_{05} + 2\mu_{02}\mu_{21}\mu_{50}\mu_{23}\mu_{14} \\
& -4\mu_{02}\mu_{21}\mu_{41}^2\mu_{05} + 13\mu_{02}\mu_{21}\mu_{41}\mu_{32}\mu_{14} - 20\mu_{02}\mu_{21}\mu_{41}\mu_{23}^2 \\
& +8\mu_{02}\mu_{21}\mu_{32}^2\mu_{23} + 3\mu_{02}\mu_{12}\mu_{50}\mu_{41}\mu_{05} - 12\mu_{02}\mu_{12}\mu_{50}\mu_{32}\mu_{14} \\
& +6\mu_{02}\mu_{12}\mu_{50}\mu_{23}^2 - 3\mu_{02}\mu_{12}\mu_{41}^2\mu_{14} + 18\mu_{02}\mu_{12}\mu_{41}\mu_{32}\mu_{23} - 12\mu_{02}\mu_{12}\mu_{32}^3 \\
& -\mu_{02}\mu_{03}\mu_{50}^2\mu_{05} + 5\mu_{02}\mu_{03}\mu_{50}\mu_{41}\mu_{14} - 2\mu_{02}\mu_{03}\mu_{50}\mu_{32}\mu_{23} \\
& -8\mu_{02}\mu_{03}\mu_{41}^2\mu_{23} + 6\mu_{02}\mu_{03}\mu_{41}\mu_{32}^2)/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,1,0,3

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



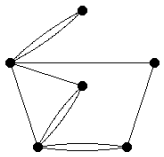
$$
\begin{aligned}
I_{54} \;=\; & (2\mu_{20}^2\mu_{30}\mu_{12}\mu_{23}\mu_{05} - 2\mu_{20}^2\mu_{30}\mu_{12}\mu_{14}^2 - \mu_{20}^2\mu_{30}\mu_{03}\mu_{32}\mu_{05} \\
& +\mu_{20}^2\mu_{30}\mu_{03}\mu_{23}\mu_{14} + \mu_{20}^2\mu_{21}^2\mu_{23}\mu_{05} - \mu_{20}^2\mu_{21}^2\mu_{14}^2 \\
& -5\mu_{20}^2\mu_{21}\mu_{12}\mu_{32}\mu_{05} + 5\mu_{20}^2\mu_{21}\mu_{12}\mu_{23}\mu_{14} + 2\mu_{20}^2\mu_{21}\mu_{03}\mu_{41}\mu_{05} \\
& -2\mu_{20}^2\mu_{21}\mu_{03}\mu_{23}^2 + 2\mu_{20}^2\mu_{12}^2\mu_{41}\mu_{05} + 2\mu_{20}^2\mu_{12}^2\mu_{32}\mu_{14} - 4\mu_{20}^2\mu_{12}^2\mu_{23}^2 \\
& -\mu_{20}^2\mu_{12}\mu_{03}\mu_{50}\mu_{05} - 3\mu_{20}^2\mu_{12}\mu_{03}\mu_{41}\mu_{14} + 4\mu_{20}^2\mu_{12}\mu_{03}\mu_{32}\mu_{23} \\
& +\mu_{20}^2\mu_{03}^2\mu_{50}\mu_{14} - \mu_{20}^2\mu_{03}^2\mu_{41}\mu_{23} - 6\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{23}\mu_{05} \\
& +6\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{14}^2 + 2\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{32}\mu_{05} \\
& -2\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{23}\mu_{14} + 2\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{32}\mu_{14} \\
& -2\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{23}^2 + 7\mu_{20}\mu_{11}\mu_{21}^2\mu_{32}\mu_{05} - 7\mu_{20}\mu_{11}\mu_{21}^2\mu_{23}\mu_{14} \\
& -4\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{41}\mu_{05} + 2\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{32}\mu_{14} \\
& +2\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{23}^2 - 4\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{41}\mu_{14} \\
& +4\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{32}\mu_{23} + \mu_{20}\mu_{11}\mu_{12}^2\mu_{50}\mu_{05} - 5\mu_{20}\mu_{11}\mu_{12}^2\mu_{41}\mu_{14} \\
& +4\mu_{20}\mu_{11}\mu_{12}^2\mu_{32}\mu_{23} + 2\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{50}\mu_{14} \\
& +10\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{41}\mu_{23} - 12\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{32}^2 - 3\mu_{20}\mu_{11}\mu_{03}^2\mu_{50}\mu_{23} \\
& +3\mu_{20}\mu_{11}\mu_{03}^2\mu_{41}\mu_{32} + \mu_{20}\mu_{02}\mu_{30}^2\mu_{23}\mu_{05} - \mu_{20}\mu_{02}\mu_{30}^2\mu_{14}^2 \\
& -2\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{32}\mu_{14} + 2\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{23}^2 - \mu_{20}\mu_{02}\mu_{21}^2\mu_{41}\mu_{05} \\
& -3\mu_{20}\mu_{02}\mu_{21}^2\mu_{32}\mu_{14} + 4\mu_{20}\mu_{02}\mu_{21}^2\mu_{23}^2 + 8\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{41}\mu_{14} \\
& -8\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{32}\mu_{23} - 2\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{41}\mu_{23} \\
& +2\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{32}^2 - \mu_{20}\mu_{02}\mu_{12}^2\mu_{50}\mu_{14} - 3\mu_{20}\mu_{02}\mu_{12}^2\mu_{41}\mu_{23} \\
& +4\mu_{20}\mu_{02}\mu_{12}^2\mu_{32}^2 + \mu_{20}\mu_{02}\mu_{03}^2\mu_{50}\mu_{32} - \mu_{20}\mu_{02}\mu_{03}^2\mu_{41}^2 \\
& +2\mu_{11}^2\mu_{30}^2\mu_{23}\mu_{05} - 2\mu_{11}^2\mu_{30}^2\mu_{14}^2 - 4\mu_{11}^2\mu_{30}\mu_{12}\mu_{32}\mu_{14} + 4\mu_{11}^2\mu_{30}\mu_{12}\mu_{23}^2 \\
& -2\mu_{11}^2\mu_{21}^2\mu_{41}\mu_{05} - 6\mu_{11}^2\mu_{21}^2\mu_{32}\mu_{14} + 8\mu_{11}^2\mu_{21}^2\mu_{23}^2 + 16\mu_{11}^2\mu_{21}\mu_{12}\mu_{41}\mu_{14} \\
& -16\mu_{11}^2\mu_{21}\mu_{12}\mu_{32}\mu_{23} - 4\mu_{11}^2\mu_{21}\mu_{03}\mu_{41}\mu_{23} + 4\mu_{11}^2\mu_{21}\mu_{03}\mu_{32}^2 \\
& -2\mu_{11}^2\mu_{12}^2\mu_{50}\mu_{14} - 6\mu_{11}^2\mu_{12}^2\mu_{41}\mu_{23} + 8\mu_{11}^2\mu_{12}^2\mu_{32}^2 + 2\mu_{11}^2\mu_{03}^2\mu_{50}\mu_{32} \\
& -2\mu_{11}^2\mu_{03}^2\mu_{41}^2 - 3\mu_{11}\mu_{02}\mu_{30}^2\mu_{32}\mu_{05} + 3\mu_{11}\mu_{02}\mu_{30}^2\mu_{23}\mu_{14} \\
& +2\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{41}\mu_{05} + 10\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{32}\mu_{14} \\
& -12\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{23}^2 - 4\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{41}\mu_{14} \\
& +4\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{32}\mu_{23} + 2\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{41}\mu_{23} \\
& -2\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{32}^2 + \mu_{11}\mu_{02}\mu_{21}^2\mu_{50}\mu_{05} - 5\mu_{11}\mu_{02}\mu_{21}^2\mu_{41}\mu_{14} \\
& +4\mu_{11}\mu_{02}\mu_{21}^2\mu_{32}\mu_{23} - 4\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{50}\mu_{14} \\
& +2\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{41}\mu_{23} + 2\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{32}^2 \\
& +2\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{50}\mu_{23} - 2\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{41}\mu_{32} \\
& +7\mu_{11}\mu_{02}\mu_{12}^2\mu_{50}\mu_{23} - 7\mu_{11}\mu_{02}\mu_{12}^2\mu_{41}\mu_{32} - 6\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{50}\mu_{32} \\
& +6\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{41}^2 + \mu_{02}^2\mu_{30}^2\mu_{41}\mu_{05} - \mu_{02}^2\mu_{30}^2\mu_{32}\mu_{14} \\
& -\mu_{02}^2\mu_{30}\mu_{21}\mu_{50}\mu_{05} - 3\mu_{02}^2\mu_{30}\mu_{21}\mu_{41}\mu_{14} + 4\mu_{02}^2\mu_{30}\mu_{21}\mu_{32}\mu_{23} \\
& +2\mu_{02}^2\mu_{30}\mu_{12}\mu_{50}\mu_{14} - 2\mu_{02}^2\mu_{30}\mu_{12}\mu_{32}^2 - \mu_{02}^2\mu_{30}\mu_{03}\mu_{50}\mu_{23} \\
& +\mu_{02}^2\mu_{30}\mu_{03}\mu_{41}\mu_{32} + 2\mu_{02}^2\mu_{21}^2\mu_{50}\mu_{14} + 2\mu_{02}^2\mu_{21}^2\mu_{41}\mu_{23} - 4\mu_{02}^2\mu_{21}^2\mu_{32}^2 \\
& -5\mu_{02}^2\mu_{21}\mu_{12}\mu_{50}\mu_{23} + 5\mu_{02}^2\mu_{21}\mu_{12}\mu_{41}\mu_{32} + 2\mu_{02}^2\mu_{21}\mu_{03}\mu_{50}\mu_{32} \\
& -2\mu_{02}^2\mu_{21}\mu_{03}\mu_{41}^2 + \mu_{02}^2\mu_{12}^2\mu_{50}\mu_{32} - \mu_{02}^2\mu_{12}^2\mu_{41}^2)/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 2,2,0,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 |

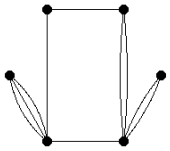


$$
\begin{aligned}
I_{55} \;=\; & (2\mu_{20}^2\mu_{30}\mu_{12}\mu_{23}\mu_{05} - 2\mu_{20}^2\mu_{30}\mu_{12}\mu_{14}^2 - \mu_{20}^2\mu_{30}\mu_{03}\mu_{32}\mu_{05} \\
& +\mu_{20}^2\mu_{30}\mu_{03}\mu_{23}\mu_{14} - 3\mu_{20}^2\mu_{21}^2\mu_{23}\mu_{05} + 3\mu_{20}^2\mu_{21}^2\mu_{14}^2 \\
& +3\mu_{20}^2\mu_{21}\mu_{12}\mu_{32}\mu_{05} - 3\mu_{20}^2\mu_{21}\mu_{12}\mu_{23}\mu_{14} - \mu_{20}^2\mu_{21}\mu_{03}\mu_{41}\mu_{05} \\
& +4\mu_{20}^2\mu_{21}\mu_{03}\mu_{32}\mu_{14} - 3\mu_{20}^2\mu_{21}\mu_{03}\mu_{23}^2 - 6\mu_{20}^2\mu_{12}^2\mu_{32}\mu_{14} + 6\mu_{20}^2\mu_{12}^2\mu_{23}^2 \\
& +2\mu_{20}^2\mu_{12}\mu_{03}\mu_{41}\mu_{14} - 2\mu_{20}^2\mu_{12}\mu_{03}\mu_{32}\mu_{23} - \mu_{20}^2\mu_{03}^2\mu_{41}\mu_{23} \\
& +\mu_{20}^2\mu_{03}^2\mu_{32}^2 + 2\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{23}\mu_{05} - 2\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{14}^2 \\
& -6\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{32}\mu_{05} + 6\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{23}\mu_{14} \\
& +3\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{41}\mu_{05} - 2\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{32}\mu_{14} \\
& -\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{23}^2 + 3\mu_{20}\mu_{11}\mu_{21}^2\mu_{32}\mu_{05} - 3\mu_{20}\mu_{11}\mu_{21}^2\mu_{23}\mu_{14} \\
& -3\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{41}\mu_{05} + 6\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{32}\mu_{14} \\
& -3\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{23}^2 + \mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{50}\mu_{05} \\
& -7\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{41}\mu_{14} + 6\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{32}\mu_{23} \\
& +6\mu_{20}\mu_{11}\mu_{12}^2\mu_{41}\mu_{14} - 6\mu_{20}\mu_{11}\mu_{12}^2\mu_{32}\mu_{23} - 2\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{50}\mu_{14} \\
& +2\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{41}\mu_{23} + \mu_{20}\mu_{11}\mu_{03}^2\mu_{50}\mu_{23} - \mu_{20}\mu_{11}\mu_{03}^2\mu_{41}\mu_{32} \\
& +\mu_{20}\mu_{02}\mu_{30}^2\mu_{23}\mu_{05} - \mu_{20}\mu_{02}\mu_{30}^2\mu_{14}^2 - 4\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{32}\mu_{05} \\
& +4\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{23}\mu_{14} + 5\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{41}\mu_{05} \\
& -6\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{32}\mu_{14} + \mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{23}^2 \\
& -2\mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{50}\mu_{05} + 2\mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{41}\mu_{14} \\
& +9\mu_{20}\mu_{02}\mu_{21}^2\mu_{32}\mu_{14} - 9\mu_{20}\mu_{02}\mu_{21}^2\mu_{23}^2 - 12\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{41}\mu_{14} \\
& +12\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{32}\mu_{23} + 5\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{50}\mu_{14} \\
& -6\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{41}\mu_{23} + \mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{32}^2 + 9\mu_{20}\mu_{02}\mu_{12}^2\mu_{41}\mu_{23} \\
& -9\mu_{20}\mu_{02}\mu_{12}^2\mu_{32}^2 - 4\mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{50}\mu_{23} + 4\mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{41}\mu_{32} \\
& +\mu_{20}\mu_{02}\mu_{03}^2\mu_{50}\mu_{32} - \mu_{20}\mu_{02}\mu_{03}^2\mu_{41}^2 - 2\mu_{11}^2\mu_{30}^2\mu_{23}\mu_{05} + 2\mu_{11}^2\mu_{30}^2\mu_{14}^2 \\
& +4\mu_{11}^2\mu_{30}\mu_{21}\mu_{32}\mu_{05} - 4\mu_{11}^2\mu_{30}\mu_{21}\mu_{23}\mu_{14} - 2\mu_{11}^2\mu_{30}\mu_{12}\mu_{41}\mu_{05} \\
& +12\mu_{11}^2\mu_{30}\mu_{12}\mu_{32}\mu_{14} - 10\mu_{11}^2\mu_{30}\mu_{12}\mu_{23}^2 - 4\mu_{11}^2\mu_{30}\mu_{03}\mu_{41}\mu_{14} \\
& +4\mu_{11}^2\mu_{30}\mu_{03}\mu_{32}\mu_{23} - 18\mu_{11}^2\mu_{21}^2\mu_{32}\mu_{14} + 18\mu_{11}^2\mu_{21}^2\mu_{23}^2 \\
& +12\mu_{11}^2\mu_{21}\mu_{12}\mu_{41}\mu_{14} - 12\mu_{11}^2\mu_{21}\mu_{12}\mu_{32}\mu_{23} - 2\mu_{11}^2\mu_{21}\mu_{03}\mu_{50}\mu_{14} \\
& +12\mu_{11}^2\mu_{21}\mu_{03}\mu_{41}\mu_{23} - 10\mu_{11}^2\mu_{21}\mu_{03}\mu_{32}^2 - 18\mu_{11}^2\mu_{12}^2\mu_{41}\mu_{23} + 18\mu_{11}^2\mu_{12}^2\mu_{32}^2 \\
& +4\mu_{11}^2\mu_{12}\mu_{03}\mu_{50}\mu_{23} - 4\mu_{11}^2\mu_{12}\mu_{03}\mu_{41}\mu_{32} - 2\mu_{11}^2\mu_{03}^2\mu_{50}\mu_{32} \\
& +2\mu_{11}^2\mu_{03}^2\mu_{41}^2 + \mu_{11}\mu_{02}\mu_{30}^2\mu_{32}\mu_{05} - \mu_{11}\mu_{02}\mu_{30}^2\mu_{23}\mu_{14} \\
& -2\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{41}\mu_{05} + 2\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{32}\mu_{14} \\
& +\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{50}\mu_{05} - 7\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{41}\mu_{14} \\
& +6\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{32}\mu_{23} + 3\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{50}\mu_{14} \\
& -2\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{41}\mu_{23} - \mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{32}^2 + 6\mu_{11}\mu_{02}\mu_{21}^2\mu_{41}\mu_{14} \\
& -6\mu_{11}\mu_{02}\mu_{21}^2\mu_{32}\mu_{23} - 3\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{50}\mu_{14} \\
& +6\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{41}\mu_{23} - 3\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{32}^2 \\
& -6\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{50}\mu_{23} + 6\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{41}\mu_{32} \\
& +3\mu_{11}\mu_{02}\mu_{12}^2\mu_{50}\mu_{23} - 3\mu_{11}\mu_{02}\mu_{12}^2\mu_{41}\mu_{32} + 2\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{50}\mu_{32} \\
& -2\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{41}^2 - \mu_{02}^2\mu_{30}^2\mu_{32}\mu_{14} + \mu_{02}^2\mu_{30}^2\mu_{23}^2 \\
& +2\mu_{02}^2\mu_{30}\mu_{21}\mu_{41}\mu_{14} - 2\mu_{02}^2\mu_{30}\mu_{21}\mu_{32}\mu_{23} - \mu_{02}^2\mu_{30}\mu_{12}\mu_{50}\mu_{14} \\
& +4\mu_{02}^2\mu_{30}\mu_{12}\mu_{41}\mu_{23} - 3\mu_{02}^2\mu_{30}\mu_{12}\mu_{32}^2 - \mu_{02}^2\mu_{30}\mu_{03}\mu_{50}\mu_{23} \\
& +\mu_{02}^2\mu_{30}\mu_{03}\mu_{41}\mu_{32} - 6\mu_{02}^2\mu_{21}^2\mu_{41}\mu_{23} + 6\mu_{02}^2\mu_{21}^2\mu_{32}^2 \\
& +3\mu_{02}^2\mu_{21}\mu_{12}\mu_{50}\mu_{23} - 3\mu_{02}^2\mu_{21}\mu_{12}\mu_{41}\mu_{32} + 2\mu_{02}^2\mu_{21}\mu_{03}\mu_{50}\mu_{32} \\
& -2\mu_{02}^2\mu_{21}\mu_{03}\mu_{41}^2 - 3\mu_{02}^2\mu_{12}^2\mu_{50}\mu_{32} + 3\mu_{02}^2\mu_{12}^2\mu_{41}^2)/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 2,2,0,2
Generating graph:

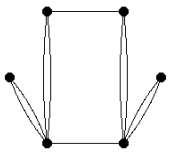
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |



$$
\begin{aligned}
I_{56} \;=\; & (2\mu_{20}^2\mu_{30}\mu_{12}\mu_{23}\mu_{05} - 2\mu_{20}^2\mu_{30}\mu_{12}\mu_{14}^2 - \mu_{20}^2\mu_{30}\mu_{03}\mu_{32}\mu_{05} \\
& +\mu_{20}^2\mu_{30}\mu_{03}\mu_{23}\mu_{14} - 2\mu_{20}^2\mu_{21}^2\mu_{23}\mu_{05} + 2\mu_{20}^2\mu_{21}^2\mu_{14}^2 \\
& +\mu_{20}^2\mu_{21}\mu_{12}\mu_{32}\mu_{05} - \mu_{20}^2\mu_{21}\mu_{12}\mu_{23}\mu_{14} + 2\mu_{20}^2\mu_{21}\mu_{03}\mu_{32}\mu_{14} \\
& -2\mu_{20}^2\mu_{21}\mu_{03}\mu_{23}^2 - 2\mu_{20}^2\mu_{12}^2\mu_{32}\mu_{14} + 2\mu_{20}^2\mu_{12}^2\mu_{23}^2 \\
& -4\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{32}\mu_{05} + 4\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{23}\mu_{14} \\
& +2\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{41}\mu_{05} - 2\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{23}^2 + 4\mu_{20}\mu_{11}\mu_{21}^2\mu_{32}\mu_{05} \\
& -4\mu_{20}\mu_{11}\mu_{21}^2\mu_{23}\mu_{14} - 2\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{41}\mu_{05} + 2\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{23}^2 \\
& -4\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{41}\mu_{14} + 4\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{32}\mu_{23} \\
& +4\mu_{20}\mu_{11}\mu_{12}^2\mu_{41}\mu_{14} - 4\mu_{20}\mu_{11}\mu_{12}^2\mu_{32}\mu_{23} + 2\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{41}\mu_{05} \\
& -4\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{32}\mu_{14} + 2\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{23}^2 \\
& -\mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{50}\mu_{05} + \mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{41}\mu_{14} \\
& -2\mu_{20}\mu_{02}\mu_{21}^2\mu_{41}\mu_{05} + 4\mu_{20}\mu_{02}\mu_{21}^2\mu_{32}\mu_{14} - 2\mu_{20}\mu_{02}\mu_{21}^2\mu_{23}^2 \\
& +\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{50}\mu_{05} - \mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{41}\mu_{14} \\
& +2\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{50}\mu_{14} - 4\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{41}\mu_{23} \\
& +2\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{32}^2 - 2\mu_{20}\mu_{02}\mu_{12}^2\mu_{50}\mu_{14} + 4\mu_{20}\mu_{02}\mu_{12}^2\mu_{41}\mu_{23} \\
& -2\mu_{20}\mu_{02}\mu_{12}^2\mu_{32}^2 + 8\mu_{11}^2\mu_{30}\mu_{12}\mu_{32}\mu_{14} - 8\mu_{11}^2\mu_{30}\mu_{12}\mu_{23}^2 \\
& -4\mu_{11}^2\mu_{30}\mu_{03}\mu_{41}\mu_{14} + 4\mu_{11}^2\mu_{30}\mu_{03}\mu_{32}\mu_{23} - 8\mu_{11}^2\mu_{21}^2\mu_{32}\mu_{14} \\
& +8\mu_{11}^2\mu_{21}^2\mu_{23}^2 + 4\mu_{11}^2\mu_{21}\mu_{12}\mu_{41}\mu_{14} - 4\mu_{11}^2\mu_{21}\mu_{12}\mu_{32}\mu_{23} \\
& +8\mu_{11}^2\mu_{21}\mu_{03}\mu_{41}\mu_{23} - 8\mu_{11}^2\mu_{21}\mu_{03}\mu_{32}^2 - 8\mu_{11}^2\mu_{12}^2\mu_{41}\mu_{23} + 8\mu_{11}^2\mu_{12}^2\mu_{32}^2 \\
& -4\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{41}\mu_{14} + 4\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{32}\mu_{23} \\
& +2\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{50}\mu_{14} - 2\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{32}^2 + 4\mu_{11}\mu_{02}\mu_{21}^2\mu_{41}\mu_{14} \\
& -4\mu_{11}\mu_{02}\mu_{21}^2\mu_{32}\mu_{23} - 2\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{50}\mu_{14} + 2\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{32}^2 \\
& -4\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{50}\mu_{23} + 4\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{41}\mu_{32} \\
& +4\mu_{11}\mu_{02}\mu_{12}^2\mu_{50}\mu_{23} - 4\mu_{11}\mu_{02}\mu_{12}^2\mu_{41}\mu_{32} + 2\mu_{02}^2\mu_{30}\mu_{12}\mu_{41}\mu_{23} \\
& -2\mu_{02}^2\mu_{30}\mu_{12}\mu_{32}^2 - \mu_{02}^2\mu_{30}\mu_{03}\mu_{50}\mu_{23} + \mu_{02}^2\mu_{30}\mu_{03}\mu_{41}\mu_{32} \\
& -2\mu_{02}^2\mu_{21}^2\mu_{41}\mu_{23} + 2\mu_{02}^2\mu_{21}^2\mu_{32}^2 + \mu_{02}^2\mu_{21}\mu_{12}\mu_{50}\mu_{23} \\
& -\mu_{02}^2\mu_{21}\mu_{12}\mu_{41}\mu_{32} + 2\mu_{02}^2\mu_{21}\mu_{03}\mu_{50}\mu_{32} - 2\mu_{02}^2\mu_{21}\mu_{03}\mu_{41}^2 \\
& -2\mu_{02}^2\mu_{12}^2\mu_{50}\mu_{32} + 2\mu_{02}^2\mu_{12}^2\mu_{41}^2)/\mu_{00}^{16}
\end{aligned}
$$

weight=10
structure: 2,2,0,2
Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 6 |

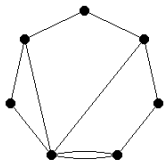


$$
\begin{aligned}
I_{57} \;=\; & (\mu_{20}^3\mu_{21}\mu_{12}^2\mu_{05} - 2\mu_{20}^3\mu_{21}\mu_{12}\mu_{03}\mu_{14} + \mu_{20}^3\mu_{21}\mu_{03}^2\mu_{23} - 2\mu_{20}^3\mu_{12}^3\mu_{14} \\
& +5\mu_{20}^3\mu_{12}^2\mu_{03}\mu_{23} - 4\mu_{20}^3\mu_{12}\mu_{03}^2\mu_{32} + \mu_{20}^3\mu_{03}^3\mu_{41} - \mu_{20}^2\mu_{11}\mu_{30}\mu_{12}^2\mu_{05} \\
& +2\mu_{20}^2\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{14} - \mu_{20}^2\mu_{11}\mu_{30}\mu_{03}^2\mu_{23} - 4\mu_{20}^2\mu_{11}\mu_{21}^2\mu_{12}\mu_{05} \\
& +4\mu_{20}^2\mu_{11}\mu_{21}^2\mu_{03}\mu_{14} + 13\mu_{20}^2\mu_{11}\mu_{21}\mu_{12}^2\mu_{14} - 18\mu_{20}^2\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{23} \\
& +5\mu_{20}^2\mu_{11}\mu_{21}\mu_{03}^2\mu_{32} - 7\mu_{20}^2\mu_{11}\mu_{12}^3\mu_{23} + 9\mu_{20}^2\mu_{11}\mu_{12}^2\mu_{03}\mu_{32} \\
& -\mu_{20}^2\mu_{11}\mu_{12}\mu_{03}^2\mu_{41} - \mu_{20}^2\mu_{11}\mu_{03}^3\mu_{50} + \mu_{20}^2\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{05} \\
& -\mu_{20}^2\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{14} - \mu_{20}^2\mu_{02}\mu_{30}\mu_{12}^2\mu_{14} \\
& +\mu_{20}^2\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{23} + \mu_{20}^2\mu_{02}\mu_{21}^3\mu_{05} - 5\mu_{20}^2\mu_{02}\mu_{21}^2\mu_{12}\mu_{14} \\
& +2\mu_{20}^2\mu_{02}\mu_{21}^2\mu_{03}\mu_{23} + 5\mu_{20}^2\mu_{02}\mu_{21}\mu_{12}^2\mu_{23} - \mu_{20}^2\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{32} \\
& -\mu_{20}^2\mu_{02}\mu_{21}\mu_{03}^2\mu_{41} - \mu_{20}^2\mu_{02}\mu_{12}^3\mu_{32} - \mu_{20}^2\mu_{02}\mu_{12}^2\mu_{03}\mu_{41} \\
& +\mu_{20}^2\mu_{02}\mu_{12}\mu_{03}^2\mu_{50} + 5\mu_{20}\mu_{11}^2\mu_{30}\mu_{21}\mu_{12}\mu_{05} \\
& -5\mu_{20}\mu_{11}^2\mu_{30}\mu_{21}\mu_{03}\mu_{14} - 6\mu_{20}\mu_{11}^2\mu_{30}\mu_{12}^2\mu_{14} \\
& +7\mu_{20}\mu_{11}^2\mu_{30}\mu_{12}\mu_{03}\mu_{23} - \mu_{20}\mu_{11}^2\mu_{30}\mu_{03}^2\mu_{32} + 3\mu_{20}\mu_{11}^2\mu_{21}^3\mu_{05} \\
& -17\mu_{20}\mu_{11}^2\mu_{21}^2\mu_{12}\mu_{14} + 8\mu_{20}\mu_{11}^2\mu_{21}^2\mu_{03}\mu_{23} + 17\mu_{20}\mu_{11}^2\mu_{21}\mu_{12}^2\mu_{23} \\
& -5\mu_{20}\mu_{11}^2\mu_{21}\mu_{12}\mu_{03}\mu_{32} - 3\mu_{20}\mu_{11}^2\mu_{21}\mu_{03}^2\mu_{41} - 2\mu_{20}\mu_{11}^2\mu_{12}^3\mu_{32} \\
& -5\mu_{20}\mu_{11}^2\mu_{12}^2\mu_{03}\mu_{41} + 4\mu_{20}\mu_{11}^2\mu_{12}\mu_{03}^2\mu_{50} - \mu_{20}\mu_{11}\mu_{02}\mu_{30}^2\mu_{12}\mu_{05} \\
& +\mu_{20}\mu_{11}\mu_{02}\mu_{30}^2\mu_{03}\mu_{14} - 5\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{21}^2\mu_{05} \\
& +12\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{14} - 2\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{23} \\
& -4\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{12}^2\mu_{23} - 2\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{32} \\
& +\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{03}^2\mu_{41} + 5\mu_{20}\mu_{11}\mu_{02}\mu_{21}^3\mu_{14} \\
& -6\mu_{20}\mu_{11}\mu_{02}\mu_{21}^2\mu_{12}\mu_{23} - 4\mu_{20}\mu_{11}\mu_{02}\mu_{21}^2\mu_{03}\mu_{32} \\
& -6\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{12}^2\mu_{32} + 12\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{41} \\
& -\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{03}^2\mu_{50} + 5\mu_{20}\mu_{11}\mu_{02}\mu_{12}^3\mu_{41} \\
& -5\mu_{20}\mu_{11}\mu_{02}\mu_{12}^2\mu_{03}\mu_{50} + \mu_{20}\mu_{02}^2\mu_{30}^2\mu_{21}\mu_{05} - \mu_{20}\mu_{02}^2\mu_{30}^2\mu_{12}\mu_{14} \\
& -\mu_{20}\mu_{02}^2\mu_{30}\mu_{21}^2\mu_{14} - \mu_{20}\mu_{02}^2\mu_{30}\mu_{21}\mu_{12}\mu_{23} \\
& +\mu_{20}\mu_{02}^2\mu_{30}\mu_{21}\mu_{03}\mu_{32} + 2\mu_{20}\mu_{02}^2\mu_{30}\mu_{12}^2\mu_{32} \\
& -\mu_{20}\mu_{02}^2\mu_{30}\mu_{12}\mu_{03}\mu_{41} - \mu_{20}\mu_{02}^2\mu_{21}^3\mu_{23} + 5\mu_{20}\mu_{02}^2\mu_{21}^2\mu_{12}\mu_{32} \\
& -\mu_{20}\mu_{02}^2\mu_{21}^2\mu_{03}\mu_{41} - 5\mu_{20}\mu_{02}^2\mu_{21}\mu_{12}^2\mu_{41} + \mu_{20}\mu_{02}^2\mu_{21}\mu_{12}\mu_{03}\mu_{50} \\
& +\mu_{20}\mu_{02}^2\mu_{12}^3\mu_{50} - \mu_{11}^3\mu_{30}^2\mu_{12}\mu_{05} + \mu_{11}^3\mu_{30}^2\mu_{03}\mu_{14} - 3\mu_{11}^3\mu_{30}\mu_{21}^2\mu_{05} \\
& +8\mu_{11}^3\mu_{30}\mu_{21}\mu_{12}\mu_{14} - 2\mu_{11}^3\mu_{30}\mu_{21}\mu_{03}\mu_{23} - 2\mu_{11}^3\mu_{30}\mu_{12}^2\mu_{23} \\
& -2\mu_{11}^3\mu_{30}\mu_{12}\mu_{03}\mu_{32} + \mu_{11}^3\mu_{30}\mu_{03}^2\mu_{41} + 3\mu_{11}^3\mu_{21}^2\mu_{14} - 4\mu_{11}^3\mu_{21}^2\mu_{12}\mu_{23} \\
& -2\mu_{11}^3\mu_{21}^2\mu_{03}\mu_{32} - 4\mu_{11}^3\mu_{21}\mu_{12}^2\mu_{32} + 8\mu_{11}^3\mu_{21}\mu_{12}\mu_{03}\mu_{41} \\
& -\mu_{11}^3\mu_{21}\mu_{03}^2\mu_{50} + 3\mu_{11}^3\mu_{12}^3\mu_{41} - 3\mu_{11}^3\mu_{12}^2\mu_{03}\mu_{50} + 4\mu_{11}^2\mu_{02}\mu_{30}^2\mu_{21}\mu_{05} \\
& -3\mu_{11}^2\mu_{02}\mu_{30}^2\mu_{12}\mu_{14} - \mu_{11}^2\mu_{02}\mu_{30}^2\mu_{03}\mu_{23} - 5\mu_{11}^2\mu_{02}\mu_{30}\mu_{21}^2\mu_{14} \\
& -5\mu_{11}^2\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{23} + 7\mu_{11}^2\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{32} \\
& +8\mu_{11}^2\mu_{02}\mu_{30}\mu_{12}^2\mu_{32} - 5\mu_{11}^2\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{41} - 2\mu_{11}^2\mu_{02}\mu_{21}^3\mu_{23} \\
& +17\mu_{11}^2\mu_{02}\mu_{21}^2\mu_{12}\mu_{32} - 6\mu_{11}^2\mu_{02}\mu_{21}^2\mu_{03}\mu_{41} - 17\mu_{11}^2\mu_{02}\mu_{21}\mu_{12}^2\mu_{41} \\
& +5\mu_{11}^2\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{50} + 3\mu_{11}^2\mu_{02}\mu_{12}^3\mu_{50} - \mu_{11}\mu_{02}^2\mu_{30}^3\mu_{05} \\
& -\mu_{11}\mu_{02}^2\mu_{30}^2\mu_{21}\mu_{14} + 5\mu_{11}\mu_{02}^2\mu_{30}^2\mu_{12}\mu_{23} - \mu_{11}\mu_{02}^2\mu_{30}^2\mu_{03}\mu_{32} \\
& +9\mu_{11}\mu_{02}^2\mu_{30}\mu_{21}^2\mu_{23} - 18\mu_{11}\mu_{02}^2\mu_{30}\mu_{21}\mu_{12}\mu_{32} \\
& +2\mu_{11}\mu_{02}^2\mu_{30}\mu_{21}\mu_{03}\mu_{41} + 4\mu_{11}\mu_{02}^2\mu_{30}\mu_{12}^2\mu_{41} - 7\mu_{11}\mu_{02}^2\mu_{21}^3\mu_{32} \\
& +13\mu_{11}\mu_{02}^2\mu_{21}^2\mu_{12}\mu_{41} - \mu_{11}\mu_{02}^2\mu_{21}^2\mu_{03}\mu_{50} - 4\mu_{11}\mu_{02}^2\mu_{21}\mu_{12}^2\mu_{50} \\
& +\mu_{02}^3\mu_{30}^3\mu_{14} - 4\mu_{02}^3\mu_{30}^2\mu_{21}\mu_{23} + \mu_{02}^3\mu_{30}^2\mu_{12}\mu_{32} + 5\mu_{02}^3\mu_{30}\mu_{21}^2\mu_{32} \\
& -2\mu_{02}^3\mu_{30}\mu_{21}\mu_{12}\mu_{41} - 2\mu_{02}^3\mu_{21}^3\mu_{41} + \mu_{02}^3\mu_{21}^2\mu_{12}\mu_{50})/\mu_{00}^{17}
\end{aligned}
$$

weight=10

structure: 3,3,0,1
Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 |
| 2 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7 |



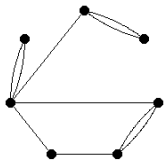
$$
\begin{aligned}
I_{58} \;=\; & (-\mu_{20}^3\mu_{30}\mu_{12}\mu_{03}\mu_{05} + \mu_{20}^3\mu_{30}\mu_{03}^2\mu_{14} + \mu_{20}^3\mu_{21}\mu_{12}^2\mu_{05} \\
& +\mu_{20}^3\mu_{21}\mu_{12}\mu_{03}\mu_{14} - 2\mu_{20}^3\mu_{21}\mu_{03}^2\mu_{23} - 2\mu_{20}^3\mu_{12}^3\mu_{14} + 2\mu_{20}^3\mu_{12}^2\mu_{03}\mu_{23} \\
& +2\mu_{20}^2\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{05} + 2\mu_{20}^2\mu_{11}\mu_{30}\mu_{12}^2\mu_{05} \\
& -2\mu_{20}^2\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{14} - 2\mu_{20}^2\mu_{11}\mu_{30}\mu_{03}^2\mu_{23} - 4\mu_{20}^2\mu_{11}\mu_{21}^2\mu_{12}\mu_{05} \\
& -2\mu_{20}^2\mu_{11}\mu_{21}^2\mu_{03}\mu_{14} + 4\mu_{20}^2\mu_{11}\mu_{21}\mu_{12}^2\mu_{14} + 6\mu_{20}^2\mu_{11}\mu_{21}\mu_{03}^2\mu_{32} \\
& +2\mu_{20}^2\mu_{11}\mu_{12}^3\mu_{23} - 6\mu_{20}^2\mu_{11}\mu_{12}^2\mu_{03}\mu_{32} - \mu_{20}^2\mu_{02}\mu_{30}^2\mu_{03}\mu_{05} \\
& +\mu_{20}^2\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{05} + 3\mu_{20}^2\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{14} \\
& -4\mu_{20}^2\mu_{02}\mu_{30}\mu_{12}^2\mu_{14} + 2\mu_{20}^2\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{23} + \mu_{20}^2\mu_{02}\mu_{21}^2\mu_{12}\mu_{14} \\
& -4\mu_{20}^2\mu_{02}\mu_{21}^2\mu_{03}\mu_{23} + 2\mu_{20}^2\mu_{02}\mu_{21}\mu_{12}^2\mu_{23} + 2\mu_{20}^2\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{32} \\
& -2\mu_{20}^2\mu_{02}\mu_{21}\mu_{03}^2\mu_{41} - 2\mu_{20}^2\mu_{02}\mu_{12}^3\mu_{32} + 2\mu_{20}^2\mu_{02}\mu_{12}^2\mu_{03}\mu_{41} \\
& -4\mu_{20}\mu_{11}^2\mu_{30}\mu_{21}\mu_{12}\mu_{05} - 4\mu_{20}\mu_{11}^2\mu_{30}\mu_{21}\mu_{03}\mu_{14} \\
& +8\mu_{20}\mu_{11}^2\mu_{30}\mu_{12}\mu_{03}\mu_{23} + 4\mu_{20}\mu_{11}^2\mu_{21}^3\mu_{05} + 4\mu_{20}\mu_{11}^2\mu_{21}^2\mu_{12}\mu_{14} \\
& +8\mu_{20}\mu_{11}^2\mu_{21}^2\mu_{03}\mu_{23} - 16\mu_{20}\mu_{11}^2\mu_{21}\mu_{12}^2\mu_{23} - 8\mu_{20}\mu_{11}^2\mu_{21}\mu_{12}\mu_{03}\mu_{32} \\
& -4\mu_{20}\mu_{11}^2\mu_{21}\mu_{03}^2\mu_{41} + 8\mu_{20}\mu_{11}^2\mu_{12}^3\mu_{32} + 4\mu_{20}\mu_{11}^2\mu_{12}^2\mu_{03}\mu_{41} \\
& +2\mu_{20}\mu_{11}\mu_{02}\mu_{30}^2\mu_{12}\mu_{05} + 2\mu_{20}\mu_{11}\mu_{02}\mu_{30}^2\mu_{03}\mu_{14} \\
& -2\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{21}^2\mu_{05} - 8\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{23} \\
& +8\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{12}^2\mu_{23} - 8\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{32} \\
& +2\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{03}^2\mu_{41} - 2\mu_{20}\mu_{11}\mu_{02}\mu_{21}^3\mu_{14} \\
& +8\mu_{20}\mu_{11}\mu_{02}\mu_{21}^2\mu_{03}\mu_{32} + 2\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{03}^2\mu_{50} \\
& -2\mu_{20}\mu_{11}\mu_{02}\mu_{12}^3\mu_{41} - 2\mu_{20}\mu_{11}\mu_{02}\mu_{12}^2\mu_{03}\mu_{50} - 2\mu_{20}\mu_{02}^2\mu_{30}^2\mu_{12}\mu_{14} \\
& +2\mu_{20}\mu_{02}^2\mu_{30}\mu_{21}^2\mu_{14} + 2\mu_{20}\mu_{02}^2\mu_{30}\mu_{21}\mu_{12}\mu_{23} \\
& +2\mu_{20}\mu_{02}^2\mu_{30}\mu_{21}\mu_{03}\mu_{32} - 4\mu_{20}\mu_{02}^2\mu_{30}\mu_{12}^2\mu_{32} \\
& +3\mu_{20}\mu_{02}^2\mu_{30}\mu_{12}\mu_{03}\mu_{41} - \mu_{20}\mu_{02}^2\mu_{30}\mu_{03}^2\mu_{50} - 2\mu_{20}\mu_{02}^2\mu_{21}^3\mu_{23} \\
& +2\mu_{20}\mu_{02}^2\mu_{21}^2\mu_{12}\mu_{32} - 4\mu_{20}\mu_{02}^2\mu_{21}^2\mu_{03}\mu_{41} + \mu_{20}\mu_{02}^2\mu_{21}\mu_{12}^2\mu_{41} \\
& +\mu_{20}\mu_{02}^2\mu_{21}\mu_{12}\mu_{03}\mu_{50} + 8\mu_{11}^3\mu_{30}\mu_{21}\mu_{12}\mu_{14} - 8\mu_{11}^3\mu_{30}\mu_{12}^2\mu_{23} \\
& -8\mu_{11}^3\mu_{21}^3\mu_{14} + 8\mu_{11}^3\mu_{21}^2\mu_{12}\mu_{23} - 8\mu_{11}^3\mu_{21}^2\mu_{03}\mu_{32} + 8\mu_{11}^3\mu_{21}\mu_{12}^2\mu_{32} \\
& +8\mu_{11}^3\mu_{21}\mu_{12}\mu_{03}\mu_{41} - 8\mu_{11}^3\mu_{12}^3\mu_{41} - 4\mu_{11}^2\mu_{02}\mu_{30}^2\mu_{12}\mu_{14} \\
& +4\mu_{11}^2\mu_{02}\mu_{30}\mu_{21}^2\mu_{14} - 8\mu_{11}^2\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{23} \\
& +8\mu_{11}^2\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{32} + 8\mu_{11}^2\mu_{02}\mu_{30}\mu_{12}^2\mu_{32} \\
& -4\mu_{11}^2\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{41} + 8\mu_{11}^2\mu_{02}\mu_{21}^3\mu_{23} - 16\mu_{11}^2\mu_{02}\mu_{21}^2\mu_{12}\mu_{32} \\
& +4\mu_{11}^2\mu_{02}\mu_{21}\mu_{12}^2\mu_{41} - 4\mu_{11}^2\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{50} + 4\mu_{11}^2\mu_{02}\mu_{12}^3\mu_{50} \\
& +6\mu_{11}\mu_{02}^2\mu_{30}^2\mu_{12}\mu_{23} - 2\mu_{11}\mu_{02}^2\mu_{30}^2\mu_{03}\mu_{32} - 6\mu_{11}\mu_{02}^2\mu_{30}\mu_{21}^2\mu_{23} \\
& -2\mu_{11}\mu_{02}^2\mu_{30}\mu_{21}\mu_{03}\mu_{41} - 2\mu_{11}\mu_{02}^2\mu_{30}\mu_{12}^2\mu_{41} \\
& +2\mu_{11}\mu_{02}^2\mu_{30}\mu_{12}\mu_{03}\mu_{50} + 2\mu_{11}\mu_{02}^2\mu_{21}^3\mu_{32} + 4\mu_{11}\mu_{02}^2\mu_{21}^2\mu_{12}\mu_{41} \\
& +2\mu_{11}\mu_{02}^2\mu_{21}^2\mu_{03}\mu_{50} - 4\mu_{11}\mu_{02}^2\mu_{21}\mu_{12}^2\mu_{50} - 2\mu_{02}^3\mu_{30}^2\mu_{12}\mu_{32} \\
& +\mu_{02}^3\mu_{30}^2\mu_{03}\mu_{41} + 2\mu_{02}^3\mu_{30}\mu_{21}^2\mu_{32} + \mu_{02}^3\mu_{30}\mu_{21}\mu_{12}\mu_{41} \\
& -\mu_{02}^3\mu_{30}\mu_{21}\mu_{03}\mu_{50} - 2\mu_{02}^3\mu_{21}^3\mu_{41} + \mu_{02}^3\mu_{21}^2\mu_{12}\mu_{50})/\mu_{00}^{17}
\end{aligned}
$$

weight=10

structure: 3,3,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 |
| 2 | 3 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 7 |



**Simultaneous invariants of the orders 2, 4 and 5**

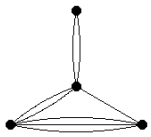
$$
\begin{aligned}
I_{59} \;=\; & (2\mu_{20}\mu_{40}\mu_{23}\mu_{05} - 2\mu_{20}\mu_{40}\mu_{14}^2 - 4\mu_{20}\mu_{31}\mu_{32}\mu_{05} + 4\mu_{20}\mu_{31}\mu_{23}\mu_{14} \\
& +3\mu_{20}\mu_{22}\mu_{41}\mu_{05} - 3\mu_{20}\mu_{22}\mu_{23}^2 - \mu_{20}\mu_{13}\mu_{50}\mu_{05} - \mu_{20}\mu_{13}\mu_{41}\mu_{14} \\
& +2\mu_{20}\mu_{13}\mu_{32}\mu_{23} + \mu_{20}\mu_{04}\mu_{50}\mu_{14} - 2\mu_{20}\mu_{04}\mu_{41}\mu_{23} + \mu_{20}\mu_{04}\mu_{32}^2 \\
& -2\mu_{11}\mu_{40}\mu_{32}\mu_{05} + 2\mu_{11}\mu_{40}\mu_{23}\mu_{14} + 2\mu_{11}\mu_{31}\mu_{41}\mu_{05} + 8\mu_{11}\mu_{31}\mu_{32}\mu_{14} \\
& -10\mu_{11}\mu_{31}\mu_{23}^2 - 12\mu_{11}\mu_{22}\mu_{41}\mu_{14} + 12\mu_{11}\mu_{22}\mu_{32}\mu_{23} + 2\mu_{11}\mu_{13}\mu_{50}\mu_{14} \\
& +8\mu_{11}\mu_{13}\mu_{41}\mu_{23} - 10\mu_{11}\mu_{13}\mu_{32}^2 - 2\mu_{11}\mu_{04}\mu_{50}\mu_{23} + 2\mu_{11}\mu_{04}\mu_{41}\mu_{32} \\
& +\mu_{02}\mu_{40}\mu_{41}\mu_{05} - 2\mu_{02}\mu_{40}\mu_{32}\mu_{14} + \mu_{02}\mu_{40}\mu_{23}^2 - \mu_{02}\mu_{31}\mu_{50}\mu_{05} \\
& -\mu_{02}\mu_{31}\mu_{41}\mu_{14} + 2\mu_{02}\mu_{31}\mu_{32}\mu_{23} + 3\mu_{02}\mu_{22}\mu_{50}\mu_{14} - 3\mu_{02}\mu_{22}\mu_{32}^2 \\
& -4\mu_{02}\mu_{13}\mu_{50}\mu_{23} + 4\mu_{02}\mu_{13}\mu_{41}\mu_{32} + 2\mu_{02}\mu_{04}\mu_{50}\mu_{32} - 2\mu_{02}\mu_{04}\mu_{41}^2)/\mu_{00}^{12}
\end{aligned}
$$

weight=8

structure: 1,0,1,2

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 |



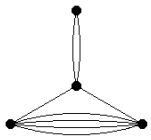
$$
\begin{aligned}
I_{60} \;=\; & (-\mu_{20}\mu_{22}\mu_{41}\mu_{05} + 4\mu_{20}\mu_{22}\mu_{32}\mu_{14} - 3\mu_{20}\mu_{22}\mu_{23}^2 + \mu_{20}\mu_{13}\mu_{50}\mu_{05} \\
& -3\mu_{20}\mu_{13}\mu_{41}\mu_{14} + 2\mu_{20}\mu_{13}\mu_{32}\mu_{23} - \mu_{20}\mu_{04}\mu_{50}\mu_{14} + 4\mu_{20}\mu_{04}\mu_{41}\mu_{23} \\
& -3\mu_{20}\mu_{04}\mu_{32}^2 + 2\mu_{11}\mu_{31}\mu_{41}\mu_{05} - 8\mu_{11}\mu_{31}\mu_{32}\mu_{14} + 6\mu_{11}\mu_{31}\mu_{23}^2 \\
& -2\mu_{11}\mu_{22}\mu_{50}\mu_{05} + 6\mu_{11}\mu_{22}\mu_{41}\mu_{14} - 4\mu_{11}\mu_{22}\mu_{32}\mu_{23} + 2\mu_{11}\mu_{13}\mu_{50}\mu_{14} \\
& -8\mu_{11}\mu_{13}\mu_{41}\mu_{23} + 6\mu_{11}\mu_{13}\mu_{32}^2 - \mu_{02}\mu_{40}\mu_{41}\mu_{05} + 4\mu_{02}\mu_{40}\mu_{32}\mu_{14} \\
& -3\mu_{02}\mu_{40}\mu_{23}^2 + \mu_{02}\mu_{31}\mu_{50}\mu_{05} - 3\mu_{02}\mu_{31}\mu_{41}\mu_{14} + 2\mu_{02}\mu_{31}\mu_{32}\mu_{23} \\
& -\mu_{02}\mu_{22}\mu_{50}\mu_{14} + 4\mu_{02}\mu_{22}\mu_{41}\mu_{23} - 3\mu_{02}\mu_{22}\mu_{32}^2)/\mu_{00}^{12}
\end{aligned}
$$

weight=8

structure: 1,0,1,2

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |



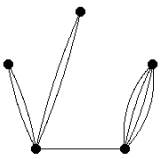
$$
\begin{aligned}
I_{61} \;=\; & (-4\mu_{20}^2\mu_{31}\mu_{23}\mu_{05} + 4\mu_{20}^2\mu_{31}\mu_{14}^2 + 6\mu_{20}^2\mu_{22}\mu_{32}\mu_{05} - 6\mu_{20}^2\mu_{22}\mu_{23}\mu_{14} \\
& -4\mu_{20}^2\mu_{13}\mu_{41}\mu_{05} + 4\mu_{20}^2\mu_{13}\mu_{32}\mu_{14} + \mu_{20}^2\mu_{04}\mu_{50}\mu_{05} - \mu_{20}^2\mu_{04}\mu_{41}\mu_{14} \\
& +4\mu_{20}\mu_{11}\mu_{40}\mu_{23}\mu_{05} - 4\mu_{20}\mu_{11}\mu_{40}\mu_{14}^2 - 24\mu_{20}\mu_{11}\mu_{22}\mu_{32}\mu_{14} \\
& +24\mu_{20}\mu_{11}\mu_{22}\mu_{23}^2 + 16\mu_{20}\mu_{11}\mu_{13}\mu_{41}\mu_{14} - 16\mu_{20}\mu_{11}\mu_{13}\mu_{32}\mu_{23} \\
& -4\mu_{20}\mu_{11}\mu_{04}\mu_{50}\mu_{14} + 4\mu_{20}\mu_{11}\mu_{04}\mu_{41}\mu_{23} - 2\mu_{20}\mu_{02}\mu_{40}\mu_{32}\mu_{05} \\
& +2\mu_{20}\mu_{02}\mu_{40}\mu_{23}\mu_{14} + 8\mu_{20}\mu_{02}\mu_{31}\mu_{32}\mu_{14} - 8\mu_{20}\mu_{02}\mu_{31}\mu_{23}^2 \\
& -8\mu_{20}\mu_{02}\mu_{13}\mu_{41}\mu_{23} + 8\mu_{20}\mu_{02}\mu_{13}\mu_{32}^2 + 2\mu_{20}\mu_{02}\mu_{04}\mu_{50}\mu_{23} \\
& -2\mu_{20}\mu_{02}\mu_{04}\mu_{41}\mu_{32} - 4\mu_{11}^2\mu_{40}\mu_{32}\mu_{05} + 4\mu_{11}^2\mu_{40}\mu_{23}\mu_{14} \\
& +16\mu_{11}^2\mu_{31}\mu_{32}\mu_{14} - 16\mu_{11}^2\mu_{31}\mu_{23}^2 - 16\mu_{11}^2\mu_{13}\mu_{41}\mu_{23} + 16\mu_{11}^2\mu_{13}\mu_{32}^2 \\
& +4\mu_{11}^2\mu_{04}\mu_{50}\mu_{23} - 4\mu_{11}^2\mu_{04}\mu_{41}\mu_{32} + 4\mu_{11}\mu_{02}\mu_{40}\mu_{41}\mu_{05} \\
& -4\mu_{11}\mu_{02}\mu_{40}\mu_{32}\mu_{14} - 16\mu_{11}\mu_{02}\mu_{31}\mu_{41}\mu_{14} + 16\mu_{11}\mu_{02}\mu_{31}\mu_{32}\mu_{23} \\
& +24\mu_{11}\mu_{02}\mu_{22}\mu_{41}\mu_{23} - 24\mu_{11}\mu_{02}\mu_{22}\mu_{32}^2 - 4\mu_{11}\mu_{02}\mu_{04}\mu_{50}\mu_{32} \\
& +4\mu_{11}\mu_{02}\mu_{04}\mu_{41}^2 - \mu_{02}^2\mu_{40}\mu_{50}\mu_{05} + \mu_{02}^2\mu_{40}\mu_{41}\mu_{14} + 4\mu_{02}^2\mu_{31}\mu_{50}\mu_{14} \\
& -4\mu_{02}^2\mu_{31}\mu_{41}\mu_{23} - 6\mu_{02}^2\mu_{22}\mu_{50}\mu_{23} + 6\mu_{02}^2\mu_{22}\mu_{41}\mu_{32} + 4\mu_{02}^2\mu_{13}\mu_{50}\mu_{32} \\
& -4\mu_{02}^2\mu_{13}\mu_{41}^2)/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 2,0,1,2

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5 |



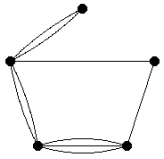
$$
\begin{aligned}
I_{62} \;=\; & (-2\mu_{20}^2\mu_{31}\mu_{23}\mu_{05} + 2\mu_{20}^2\mu_{31}\mu_{14}^2 + 3\mu_{20}^2\mu_{22}\mu_{32}\mu_{05} - 3\mu_{20}^2\mu_{22}\mu_{23}\mu_{14} \\
& -3\mu_{20}^2\mu_{13}\mu_{41}\mu_{05} + 6\mu_{20}^2\mu_{13}\mu_{32}\mu_{14} - 3\mu_{20}^2\mu_{13}\mu_{23}^2 + \mu_{20}^2\mu_{04}\mu_{50}\mu_{05} \\
& -2\mu_{20}^2\mu_{04}\mu_{41}\mu_{14} + \mu_{20}^2\mu_{04}\mu_{32}\mu_{23} + 2\mu_{20}\mu_{11}\mu_{40}\mu_{23}\mu_{05} \\
& -2\mu_{20}\mu_{11}\mu_{40}\mu_{14}^2 + 3\mu_{20}\mu_{11}\mu_{22}\mu_{41}\mu_{05} - 24\mu_{20}\mu_{11}\mu_{22}\mu_{32}\mu_{14} \\
& +21\mu_{20}\mu_{11}\mu_{22}\mu_{23}^2 - \mu_{20}\mu_{11}\mu_{13}\mu_{50}\mu_{05} + 11\mu_{20}\mu_{11}\mu_{13}\mu_{41}\mu_{14} \\
& -10\mu_{20}\mu_{11}\mu_{13}\mu_{32}\mu_{23} - 3\mu_{20}\mu_{11}\mu_{04}\mu_{50}\mu_{14} + 6\mu_{20}\mu_{11}\mu_{04}\mu_{41}\mu_{23} \\
& -3\mu_{20}\mu_{11}\mu_{04}\mu_{32}^2 - \mu_{20}\mu_{02}\mu_{40}\mu_{32}\mu_{05} + \mu_{20}\mu_{02}\mu_{40}\mu_{23}\mu_{14} \\
& -\mu_{20}\mu_{02}\mu_{31}\mu_{41}\mu_{05} + 8\mu_{20}\mu_{02}\mu_{31}\mu_{32}\mu_{14} - 7\mu_{20}\mu_{02}\mu_{31}\mu_{23}^2 \\
& +\mu_{20}\mu_{02}\mu_{13}\mu_{50}\mu_{14} - 8\mu_{20}\mu_{02}\mu_{13}\mu_{41}\mu_{23} + 7\mu_{20}\mu_{02}\mu_{13}\mu_{32}^2 \\
& +\mu_{20}\mu_{02}\mu_{04}\mu_{50}\mu_{23} - \mu_{20}\mu_{02}\mu_{04}\mu_{41}\mu_{32} - 2\mu_{11}^2\mu_{40}\mu_{32}\mu_{05} \\
& +2\mu_{11}^2\mu_{40}\mu_{23}\mu_{14} - 2\mu_{11}^2\mu_{31}\mu_{41}\mu_{05} + 16\mu_{11}^2\mu_{31}\mu_{32}\mu_{14} - 14\mu_{11}^2\mu_{31}\mu_{23}^2 \\
& +2\mu_{11}^2\mu_{13}\mu_{50}\mu_{14} - 16\mu_{11}^2\mu_{13}\mu_{41}\mu_{23} + 14\mu_{11}^2\mu_{13}\mu_{32}^2 + 2\mu_{11}^2\mu_{04}\mu_{50}\mu_{23} \\
& -2\mu_{11}^2\mu_{04}\mu_{41}\mu_{32} + 3\mu_{11}\mu_{02}\mu_{40}\mu_{41}\mu_{05} - 6\mu_{11}\mu_{02}\mu_{40}\mu_{32}\mu_{14} \\
& +3\mu_{11}\mu_{02}\mu_{40}\mu_{23}^2 + \mu_{11}\mu_{02}\mu_{31}\mu_{50}\mu_{05} - 11\mu_{11}\mu_{02}\mu_{31}\mu_{41}\mu_{14} \\
& +10\mu_{11}\mu_{02}\mu_{31}\mu_{32}\mu_{23} - 3\mu_{11}\mu_{02}\mu_{22}\mu_{50}\mu_{14} + 24\mu_{11}\mu_{02}\mu_{22}\mu_{41}\mu_{23} \\
& -21\mu_{11}\mu_{02}\mu_{22}\mu_{32}^2 - 2\mu_{11}\mu_{02}\mu_{04}\mu_{50}\mu_{32} + 2\mu_{11}\mu_{02}\mu_{04}\mu_{41}^2 \\
& -\mu_{02}^2\mu_{40}\mu_{50}\mu_{05} + 2\mu_{02}^2\mu_{40}\mu_{41}\mu_{14} - \mu_{02}^2\mu_{40}\mu_{32}\mu_{23} + 3\mu_{02}^2\mu_{31}\mu_{50}\mu_{14} \\
& -6\mu_{02}^2\mu_{31}\mu_{41}\mu_{23} + 3\mu_{02}^2\mu_{31}\mu_{32}^2 - 3\mu_{02}^2\mu_{22}\mu_{50}\mu_{23} + 3\mu_{02}^2\mu_{22}\mu_{41}\mu_{32} \\
& +2\mu_{02}^2\mu_{13}\mu_{50}\mu_{32} - 2\mu_{02}^2\mu_{13}\mu_{41}^2)/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 2,0,1,2

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 |



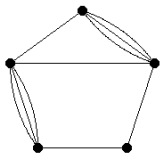
$$
\begin{aligned}
I_{63} \;=\; & (3\mu_{20}\mu_{40}\mu_{22}\mu_{23}\mu_{05} - 3\mu_{20}\mu_{40}\mu_{22}\mu_{14}^2 - 3\mu_{20}\mu_{40}\mu_{13}\mu_{32}\mu_{05} \\
& +3\mu_{20}\mu_{40}\mu_{13}\mu_{23}\mu_{14} + \mu_{20}\mu_{40}\mu_{04}\mu_{41}\mu_{05} - \mu_{20}\mu_{40}\mu_{04}\mu_{32}\mu_{14} \\
& -2\mu_{20}\mu_{31}^2\mu_{23}\mu_{05} + 2\mu_{20}\mu_{31}^2\mu_{14}^2 + 2\mu_{20}\mu_{31}\mu_{13}\mu_{41}\mu_{05} \\
& +4\mu_{20}\mu_{31}\mu_{13}\mu_{32}\mu_{14} - 6\mu_{20}\mu_{31}\mu_{13}\mu_{23}^2 - \mu_{20}\mu_{31}\mu_{04}\mu_{50}\mu_{05} \\
& -\mu_{20}\mu_{31}\mu_{04}\mu_{41}\mu_{14} + 2\mu_{20}\mu_{31}\mu_{04}\mu_{32}\mu_{23} - 6\mu_{20}\mu_{22}\mu_{13}\mu_{41}\mu_{14} \\
& +6\mu_{20}\mu_{22}\mu_{13}\mu_{32}\mu_{23} + 3\mu_{20}\mu_{22}\mu_{04}\mu_{50}\mu_{14} - 3\mu_{20}\mu_{22}\mu_{04}\mu_{41}\mu_{23} \\
& +6\mu_{20}\mu_{13}^2\mu_{41}\mu_{23} - 6\mu_{20}\mu_{13}^2\mu_{32}^2 - 3\mu_{20}\mu_{13}\mu_{04}\mu_{50}\mu_{23} \\
& +3\mu_{20}\mu_{13}\mu_{04}\mu_{41}\mu_{32} + \mu_{20}\mu_{04}^2\mu_{50}\mu_{32} - \mu_{20}\mu_{04}^2\mu_{41}^2 \\
& -2\mu_{11}\mu_{40}\mu_{31}\mu_{23}\mu_{05} + 2\mu_{11}\mu_{40}\mu_{31}\mu_{14}^2 + 6\mu_{11}\mu_{40}\mu_{13}\mu_{32}\mu_{14} \\
& -6\mu_{11}\mu_{40}\mu_{13}\mu_{23}^2 - 2\mu_{11}\mu_{40}\mu_{04}\mu_{41}\mu_{14} + 2\mu_{11}\mu_{40}\mu_{04}\mu_{32}\mu_{23} \\
& +6\mu_{11}\mu_{31}^2\mu_{32}\mu_{05} - 6\mu_{11}\mu_{31}^2\mu_{23}\mu_{14} - 6\mu_{11}\mu_{31}\mu_{22}\mu_{41}\mu_{05} \\
& -12\mu_{11}\mu_{31}\mu_{22}\mu_{32}\mu_{14} + 18\mu_{11}\mu_{31}\mu_{22}\mu_{23}^2 + 2\mu_{11}\mu_{31}\mu_{13}\mu_{50}\mu_{05} \\
& -2\mu_{11}\mu_{31}\mu_{13}\mu_{41}\mu_{14} + 6\mu_{11}\mu_{31}\mu_{04}\mu_{41}\mu_{23} - 6\mu_{11}\mu_{31}\mu_{04}\mu_{32}^2 \\
& +18\mu_{11}\mu_{22}^2\mu_{41}\mu_{14} - 18\mu_{11}\mu_{22}^2\mu_{32}\mu_{23} - 6\mu_{11}\mu_{22}\mu_{13}\mu_{50}\mu_{14} \\
& -12\mu_{11}\mu_{22}\mu_{13}\mu_{41}\mu_{23} + 18\mu_{11}\mu_{22}\mu_{13}\mu_{32}^2 + 6\mu_{11}\mu_{13}^2\mu_{50}\mu_{23} \\
& -6\mu_{11}\mu_{13}^2\mu_{41}\mu_{32} - 2\mu_{11}\mu_{13}\mu_{04}\mu_{50}\mu_{32} + 2\mu_{11}\mu_{13}\mu_{04}\mu_{41}^2 \\
& +\mu_{02}\mu_{40}^2\mu_{23}\mu_{05} - \mu_{02}\mu_{40}^2\mu_{14}^2 - 3\mu_{02}\mu_{40}\mu_{31}\mu_{32}\mu_{05} \\
& +3\mu_{02}\mu_{40}\mu_{31}\mu_{23}\mu_{14} + 3\mu_{02}\mu_{40}\mu_{22}\mu_{41}\mu_{05} - 3\mu_{02}\mu_{40}\mu_{22}\mu_{32}\mu_{14} \\
& -\mu_{02}\mu_{40}\mu_{13}\mu_{50}\mu_{05} - \mu_{02}\mu_{40}\mu_{13}\mu_{41}\mu_{14} + 2\mu_{02}\mu_{40}\mu_{13}\mu_{32}\mu_{23} \\
& +\mu_{02}\mu_{40}\mu_{04}\mu_{50}\mu_{14} - \mu_{02}\mu_{40}\mu_{04}\mu_{41}\mu_{23} + 6\mu_{02}\mu_{31}^2\mu_{32}\mu_{14} \\
& -6\mu_{02}\mu_{31}^2\mu_{23}^2 - 6\mu_{02}\mu_{31}\mu_{22}\mu_{41}\mu_{14} + 6\mu_{02}\mu_{31}\mu_{22}\mu_{32}\mu_{23} \\
& +2\mu_{02}\mu_{31}\mu_{13}\mu_{50}\mu_{14} + 4\mu_{02}\mu_{31}\mu_{13}\mu_{41}\mu_{23} - 6\mu_{02}\mu_{31}\mu_{13}\mu_{32}^2 \\
& -3\mu_{02}\mu_{31}\mu_{04}\mu_{50}\mu_{23} + 3\mu_{02}\mu_{31}\mu_{04}\mu_{41}\mu_{32} + 3\mu_{02}\mu_{22}\mu_{04}\mu_{50}\mu_{32} \\
& -3\mu_{02}\mu_{22}\mu_{04}\mu_{41}^2 - 2\mu_{02}\mu_{13}^2\mu_{50}\mu_{32} + 2\mu_{02}\mu_{13}^2\mu_{41}^2)/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,0,2,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 |



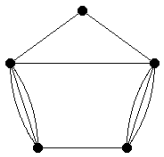
$$
\begin{aligned}
I_{64} \;=\; & (3\mu_{20}\mu_{40}\mu_{22}\mu_{23}\mu_{05} - 3\mu_{20}\mu_{40}\mu_{22}\mu_{14}^2 - 3\mu_{20}\mu_{40}\mu_{13}\mu_{32}\mu_{05} \\
& +3\mu_{20}\mu_{40}\mu_{13}\mu_{23}\mu_{14} + \mu_{20}\mu_{40}\mu_{04}\mu_{41}\mu_{05} - \mu_{20}\mu_{40}\mu_{04}\mu_{32}\mu_{14} \\
& -3\mu_{20}\mu_{31}^2\mu_{23}\mu_{05} + 3\mu_{20}\mu_{31}^2\mu_{14}^2 + 3\mu_{20}\mu_{31}\mu_{22}\mu_{32}\mu_{05} \\
& -3\mu_{20}\mu_{31}\mu_{22}\mu_{23}\mu_{14} - \mu_{20}\mu_{31}\mu_{13}\mu_{41}\mu_{05} + 10\mu_{20}\mu_{31}\mu_{13}\mu_{32}\mu_{14} \\
& -9\mu_{20}\mu_{31}\mu_{13}\mu_{23}^2 - 3\mu_{20}\mu_{31}\mu_{04}\mu_{41}\mu_{14} + 3\mu_{20}\mu_{31}\mu_{04}\mu_{32}\mu_{23} \\
& -9\mu_{20}\mu_{22}^2\mu_{32}\mu_{14} + 9\mu_{20}\mu_{22}^2\mu_{23}^2 + 3\mu_{20}\mu_{22}\mu_{13}\mu_{41}\mu_{14} \\
& -3\mu_{20}\mu_{22}\mu_{13}\mu_{32}\mu_{23} + 3\mu_{20}\mu_{22}\mu_{04}\mu_{41}\mu_{23} - 3\mu_{20}\mu_{22}\mu_{04}\mu_{32}^2 \\
& -3\mu_{20}\mu_{13}^2\mu_{41}\mu_{23} + 3\mu_{20}\mu_{13}^2\mu_{32}^2 - 3\mu_{11}\mu_{40}\mu_{22}\mu_{32}\mu_{05} \\
& +3\mu_{11}\mu_{40}\mu_{22}\mu_{23}\mu_{14} + 3\mu_{11}\mu_{40}\mu_{13}\mu_{41}\mu_{05} - 3\mu_{11}\mu_{40}\mu_{13}\mu_{23}^2 \\
& -\mu_{11}\mu_{40}\mu_{04}\mu_{50}\mu_{05} + \mu_{11}\mu_{40}\mu_{04}\mu_{32}\mu_{23} + 3\mu_{11}\mu_{31}^2\mu_{32}\mu_{05} \\
& -3\mu_{11}\mu_{31}^2\mu_{23}\mu_{14} - 3\mu_{11}\mu_{31}\mu_{22}\mu_{41}\mu_{05} + 3\mu_{11}\mu_{31}\mu_{22}\mu_{23}^2 \\
& +\mu_{11}\mu_{31}\mu_{13}\mu_{50}\mu_{05} - 9\mu_{11}\mu_{31}\mu_{13}\mu_{41}\mu_{14} + 8\mu_{11}\mu_{31}\mu_{13}\mu_{32}\mu_{23} \\
& +3\mu_{11}\mu_{31}\mu_{04}\mu_{50}\mu_{14} - 3\mu_{11}\mu_{31}\mu_{04}\mu_{32}^2 + 9\mu_{11}\mu_{22}^2\mu_{41}\mu_{14} \\
& -9\mu_{11}\mu_{22}^2\mu_{32}\mu_{23} - 3\mu_{11}\mu_{22}\mu_{13}\mu_{50}\mu_{14} + 3\mu_{11}\mu_{22}\mu_{13}\mu_{32}^2 \\
& -3\mu_{11}\mu_{22}\mu_{04}\mu_{50}\mu_{23} + 3\mu_{11}\mu_{22}\mu_{04}\mu_{41}\mu_{32} + 3\mu_{11}\mu_{13}^2\mu_{50}\mu_{23} \\
& -3\mu_{11}\mu_{13}^2\mu_{41}\mu_{32} + 3\mu_{02}\mu_{40}\mu_{22}\mu_{32}\mu_{14} - 3\mu_{02}\mu_{40}\mu_{22}\mu_{23}^2 \\
& -3\mu_{02}\mu_{40}\mu_{13}\mu_{41}\mu_{14} + 3\mu_{02}\mu_{40}\mu_{13}\mu_{32}\mu_{23} + \mu_{02}\mu_{40}\mu_{04}\mu_{50}\mu_{14} \\
& -\mu_{02}\mu_{40}\mu_{04}\mu_{41}\mu_{23} - 3\mu_{02}\mu_{31}^2\mu_{32}\mu_{14} + 3\mu_{02}\mu_{31}^2\mu_{23}^2 \\
& +3\mu_{02}\mu_{31}\mu_{22}\mu_{41}\mu_{14} - 3\mu_{02}\mu_{31}\mu_{22}\mu_{32}\mu_{23} - \mu_{02}\mu_{31}\mu_{13}\mu_{50}\mu_{14} \\
& +10\mu_{02}\mu_{31}\mu_{13}\mu_{41}\mu_{23} - 9\mu_{02}\mu_{31}\mu_{13}\mu_{32}^2 - 3\mu_{02}\mu_{31}\mu_{04}\mu_{50}\mu_{23} \\
& +3\mu_{02}\mu_{31}\mu_{04}\mu_{41}\mu_{32} - 9\mu_{02}\mu_{22}^2\mu_{41}\mu_{23} + 9\mu_{02}\mu_{22}^2\mu_{32}^2 \\
& +3\mu_{02}\mu_{22}\mu_{13}\mu_{50}\mu_{23} - 3\mu_{02}\mu_{22}\mu_{13}\mu_{41}\mu_{32} + 3\mu_{02}\mu_{22}\mu_{04}\mu_{50}\mu_{32} \\
& -3\mu_{02}\mu_{22}\mu_{04}\mu_{41}^2 - 3\mu_{02}\mu_{13}^2\mu_{50}\mu_{32} + 3\mu_{02}\mu_{13}^2\mu_{41}^2)/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,0,2,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 5 |



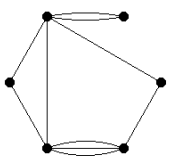
$$
\begin{aligned}
I_{65} \;=\; & (3\mu_{20}^3\mu_{22}\mu_{23}\mu_{05} - 3\mu_{20}^3\mu_{22}\mu_{14}^2 - 3\mu_{20}^3\mu_{13}\mu_{32}\mu_{05} + 3\mu_{20}^3\mu_{13}\mu_{23}\mu_{14} \\
& +\mu_{20}^3\mu_{04}\mu_{41}\mu_{05} - \mu_{20}^3\mu_{04}\mu_{32}\mu_{14} - 6\mu_{20}^2\mu_{11}\mu_{31}\mu_{23}\mu_{05} \\
& +6\mu_{20}^2\mu_{11}\mu_{31}\mu_{14}^2 + 2\mu_{20}^2\mu_{11}\mu_{13}\mu_{41}\mu_{05} + 10\mu_{20}^2\mu_{11}\mu_{13}\mu_{32}\mu_{14} \\
& -12\mu_{20}^2\mu_{11}\mu_{13}\mu_{23}^2 - \mu_{20}^2\mu_{11}\mu_{04}\mu_{50}\mu_{05} - 3\mu_{20}^2\mu_{11}\mu_{04}\mu_{41}\mu_{14} \\
& +4\mu_{20}^2\mu_{11}\mu_{04}\mu_{32}\mu_{23} + \mu_{20}^2\mu_{02}\mu_{40}\mu_{23}\mu_{05} - \mu_{20}^2\mu_{02}\mu_{40}\mu_{14}^2 \\
& +\mu_{20}^2\mu_{02}\mu_{31}\mu_{32}\mu_{05} - \mu_{20}^2\mu_{02}\mu_{31}\mu_{23}\mu_{14} - 3\mu_{20}^2\mu_{02}\mu_{22}\mu_{32}\mu_{14} \\
& +3\mu_{20}^2\mu_{02}\mu_{22}\mu_{23}^2 - 2\mu_{20}^2\mu_{02}\mu_{13}\mu_{41}\mu_{14} + 2\mu_{20}^2\mu_{02}\mu_{13}\mu_{32}\mu_{23} \\
& +\mu_{20}^2\mu_{02}\mu_{04}\mu_{50}\mu_{14} - \mu_{20}^2\mu_{02}\mu_{04}\mu_{32}^2 + 2\mu_{20}\mu_{11}^2\mu_{40}\mu_{23}\mu_{05} \\
& -2\mu_{20}\mu_{11}^2\mu_{40}\mu_{14}^2 + 8\mu_{20}\mu_{11}^2\mu_{31}\mu_{32}\mu_{05} - 8\mu_{20}\mu_{11}^2\mu_{31}\mu_{23}\mu_{14} \\
& -3\mu_{20}\mu_{11}^2\mu_{22}\mu_{41}\mu_{05} - 12\mu_{20}\mu_{11}^2\mu_{22}\mu_{32}\mu_{14} + 15\mu_{20}\mu_{11}^2\mu_{22}\mu_{23}^2 \\
& +\mu_{20}\mu_{11}^2\mu_{13}\mu_{50}\mu_{05} - 7\mu_{20}\mu_{11}^2\mu_{13}\mu_{41}\mu_{14} + 6\mu_{20}\mu_{11}^2\mu_{13}\mu_{32}\mu_{23} \\
& +3\mu_{20}\mu_{11}^2\mu_{04}\mu_{50}\mu_{14} + 2\mu_{20}\mu_{11}^2\mu_{04}\mu_{41}\mu_{23} - 5\mu_{20}\mu_{11}^2\mu_{04}\mu_{32}^2 \\
& -4\mu_{20}\mu_{11}\mu_{02}\mu_{40}\mu_{32}\mu_{05} + 4\mu_{20}\mu_{11}\mu_{02}\mu_{40}\mu_{23}\mu_{14} \\
& -2\mu_{20}\mu_{11}\mu_{02}\mu_{31}\mu_{41}\mu_{05} + 4\mu_{20}\mu_{11}\mu_{02}\mu_{31}\mu_{32}\mu_{14} \\
& -2\mu_{20}\mu_{11}\mu_{02}\mu_{31}\mu_{23}^2 + 12\mu_{20}\mu_{11}\mu_{02}\mu_{22}\mu_{41}\mu_{14} \\
& -12\mu_{20}\mu_{11}\mu_{02}\mu_{22}\mu_{32}\mu_{23} - 2\mu_{20}\mu_{11}\mu_{02}\mu_{13}\mu_{50}\mu_{14} \\
& +4\mu_{20}\mu_{11}\mu_{02}\mu_{13}\mu_{41}\mu_{23} - 2\mu_{20}\mu_{11}\mu_{02}\mu_{13}\mu_{32}^2 \\
& -4\mu_{20}\mu_{11}\mu_{02}\mu_{04}\mu_{50}\mu_{23} + 4\mu_{20}\mu_{11}\mu_{02}\mu_{04}\mu_{41}\mu_{32} \\
& +\mu_{20}\mu_{02}^2\mu_{40}\mu_{41}\mu_{05} - \mu_{20}\mu_{02}^2\mu_{40}\mu_{23}^2 - 2\mu_{20}\mu_{02}^2\mu_{31}\mu_{41}\mu_{14} \\
& +2\mu_{20}\mu_{02}^2\mu_{31}\mu_{32}\mu_{23} - 3\mu_{20}\mu_{02}^2\mu_{22}\mu_{41}\mu_{23} + 3\mu_{20}\mu_{02}^2\mu_{22}\mu_{32}^2 \\
& +\mu_{20}\mu_{02}^2\mu_{13}\mu_{50}\mu_{23} - \mu_{20}\mu_{02}^2\mu_{13}\mu_{41}\mu_{32} + \mu_{20}\mu_{02}^2\mu_{04}\mu_{50}\mu_{32} \\
& -\mu_{20}\mu_{02}^2\mu_{04}\mu_{41}^2 - 2\mu_{11}^3\mu_{40}\mu_{32}\mu_{05} + 2\mu_{11}^3\mu_{40}\mu_{23}\mu_{14} - 2\mu_{11}^3\mu_{31}\mu_{41}\mu_{05} \\
& +2\mu_{11}^3\mu_{31}\mu_{23}^2 + 12\mu_{11}^3\mu_{22}\mu_{41}\mu_{14} - 12\mu_{11}^3\mu_{22}\mu_{32}\mu_{23} - 2\mu_{11}^3\mu_{13}\mu_{50}\mu_{14} \\
& +2\mu_{11}^3\mu_{13}\mu_{32}^2 - 2\mu_{11}^3\mu_{04}\mu_{50}\mu_{23} + 2\mu_{11}^3\mu_{04}\mu_{41}\mu_{32} + 3\mu_{11}^2\mu_{02}\mu_{40}\mu_{41}\mu_{05} \\
& +2\mu_{11}^2\mu_{02}\mu_{40}\mu_{32}\mu_{14} - 5\mu_{11}^2\mu_{02}\mu_{40}\mu_{23}^2 + \mu_{11}^2\mu_{02}\mu_{31}\mu_{50}\mu_{05} \\
& -7\mu_{11}^2\mu_{02}\mu_{31}\mu_{41}\mu_{14} + 6\mu_{11}^2\mu_{02}\mu_{31}\mu_{32}\mu_{23} - 3\mu_{11}^2\mu_{02}\mu_{22}\mu_{50}\mu_{14} \\
& -12\mu_{11}^2\mu_{02}\mu_{22}\mu_{41}\mu_{23} + 15\mu_{11}^2\mu_{02}\mu_{22}\mu_{32}^2 + 8\mu_{11}^2\mu_{02}\mu_{13}\mu_{50}\mu_{23} \\
& -8\mu_{11}^2\mu_{02}\mu_{13}\mu_{41}\mu_{32} + 2\mu_{11}^2\mu_{02}\mu_{04}\mu_{50}\mu_{32} - 2\mu_{11}^2\mu_{02}\mu_{04}\mu_{41}^2 \\
& -\mu_{11}\mu_{02}^2\mu_{40}\mu_{50}\mu_{05} - 3\mu_{11}\mu_{02}^2\mu_{40}\mu_{41}\mu_{14} + 4\mu_{11}\mu_{02}^2\mu_{40}\mu_{32}\mu_{23} \\
& +2\mu_{11}\mu_{02}^2\mu_{31}\mu_{50}\mu_{14} + 10\mu_{11}\mu_{02}^2\mu_{31}\mu_{41}\mu_{23} - 12\mu_{11}\mu_{02}^2\mu_{31}\mu_{32}^2 \\
& -6\mu_{11}\mu_{02}^2\mu_{13}\mu_{50}\mu_{32} + 6\mu_{11}\mu_{02}^2\mu_{13}\mu_{41}^2 + \mu_{02}^3\mu_{40}\mu_{50}\mu_{14} \\
& -\mu_{02}^3\mu_{40}\mu_{41}\mu_{23} - 3\mu_{02}^3\mu_{31}\mu_{50}\mu_{23} + 3\mu_{02}^3\mu_{31}\mu_{41}\mu_{32} + 3\mu_{02}^3\mu_{22}\mu_{50}\mu_{32} \\
& -3\mu_{02}^3\mu_{22}\mu_{41}^2)/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 3,0,1,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |



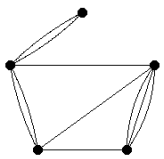
$$
\begin{aligned}
I_{66} \;=\; & (4\mu_{20}\mu_{40}\mu_{22}\mu_{23}\mu_{05} - 4\mu_{20}\mu_{40}\mu_{22}\mu_{14}^2 - 4\mu_{20}\mu_{40}\mu_{13}\mu_{32}\mu_{05} \\
& +4\mu_{20}\mu_{40}\mu_{13}\mu_{23}\mu_{14} + \mu_{20}\mu_{40}\mu_{04}\mu_{41}\mu_{05} - \mu_{20}\mu_{40}\mu_{04}\mu_{23}^2 \\
& -4\mu_{20}\mu_{31}^2\mu_{23}\mu_{05} + 4\mu_{20}\mu_{31}^2\mu_{14}^2 + 4\mu_{20}\mu_{31}\mu_{22}\mu_{32}\mu_{05} \\
& -4\mu_{20}\mu_{31}\mu_{22}\mu_{23}\mu_{14} + 2\mu_{20}\mu_{31}\mu_{13}\mu_{41}\mu_{05} - 2\mu_{20}\mu_{31}\mu_{13}\mu_{23}^2 \\
& -\mu_{20}\mu_{31}\mu_{04}\mu_{50}\mu_{05} - \mu_{20}\mu_{31}\mu_{04}\mu_{41}\mu_{14} + 2\mu_{20}\mu_{31}\mu_{04}\mu_{32}\mu_{23} \\
& -3\mu_{20}\mu_{22}^2\mu_{41}\mu_{05} + 3\mu_{20}\mu_{22}^2\mu_{23}^2 + \mu_{20}\mu_{22}\mu_{13}\mu_{50}\mu_{05} \\
& +\mu_{20}\mu_{22}\mu_{13}\mu_{41}\mu_{14} - 2\mu_{20}\mu_{22}\mu_{13}\mu_{32}\mu_{23} + 2\mu_{20}\mu_{22}\mu_{04}\mu_{50}\mu_{14} \\
& -4\mu_{20}\mu_{22}\mu_{04}\mu_{41}\mu_{23} + 2\mu_{20}\mu_{22}\mu_{04}\mu_{32}^2 - 2\mu_{20}\mu_{13}^2\mu_{50}\mu_{14} \\
& +4\mu_{20}\mu_{13}^2\mu_{41}\mu_{23} - 2\mu_{20}\mu_{13}^2\mu_{32}^2 - 4\mu_{11}\mu_{40}\mu_{22}\mu_{32}\mu_{05} \\
& +4\mu_{11}\mu_{40}\mu_{22}\mu_{23}\mu_{14} + 2\mu_{11}\mu_{40}\mu_{13}\mu_{41}\mu_{05} + 8\mu_{11}\mu_{40}\mu_{13}\mu_{32}\mu_{14} \\
& -10\mu_{11}\mu_{40}\mu_{13}\mu_{23}^2 - 4\mu_{11}\mu_{40}\mu_{04}\mu_{41}\mu_{14} + 4\mu_{11}\mu_{40}\mu_{04}\mu_{32}\mu_{23} \\
& +4\mu_{11}\mu_{31}^2\mu_{32}\mu_{05} - 4\mu_{11}\mu_{31}^2\mu_{23}\mu_{14} - 2\mu_{11}\mu_{31}\mu_{22}\mu_{41}\mu_{05} \\
& -8\mu_{11}\mu_{31}\mu_{22}\mu_{32}\mu_{14} + 10\mu_{11}\mu_{31}\mu_{22}\mu_{23}^2 - 8\mu_{11}\mu_{31}\mu_{13}\mu_{41}\mu_{14} \\
& +8\mu_{11}\mu_{31}\mu_{13}\mu_{32}\mu_{23} + 2\mu_{11}\mu_{31}\mu_{04}\mu_{50}\mu_{14} + 8\mu_{11}\mu_{31}\mu_{04}\mu_{41}\mu_{23} \\
& -10\mu_{11}\mu_{31}\mu_{04}\mu_{32}^2 + 12\mu_{11}\mu_{22}^2\mu_{41}\mu_{14} - 12\mu_{11}\mu_{22}^2\mu_{32}\mu_{23} \\
& -2\mu_{11}\mu_{22}\mu_{13}\mu_{50}\mu_{14} - 8\mu_{11}\mu_{22}\mu_{13}\mu_{41}\mu_{23} + 10\mu_{11}\mu_{22}\mu_{13}\mu_{32}^2 \\
& -4\mu_{11}\mu_{22}\mu_{04}\mu_{50}\mu_{23} + 4\mu_{11}\mu_{22}\mu_{04}\mu_{41}\mu_{32} + 4\mu_{11}\mu_{13}^2\mu_{50}\mu_{23} \\
& -4\mu_{11}\mu_{13}^2\mu_{41}\mu_{32} + 2\mu_{02}\mu_{40}\mu_{22}\mu_{41}\mu_{05} - 4\mu_{02}\mu_{40}\mu_{22}\mu_{32}\mu_{14} \\
& +2\mu_{02}\mu_{40}\mu_{22}\mu_{23}^2 - \mu_{02}\mu_{40}\mu_{13}\mu_{50}\mu_{05} - \mu_{02}\mu_{40}\mu_{13}\mu_{41}\mu_{14} \\
& +2\mu_{02}\mu_{40}\mu_{13}\mu_{32}\mu_{23} + \mu_{02}\mu_{40}\mu_{04}\mu_{50}\mu_{14} - \mu_{02}\mu_{40}\mu_{04}\mu_{32}^2 \\
& -2\mu_{02}\mu_{31}^2\mu_{41}\mu_{05} + 4\mu_{02}\mu_{31}^2\mu_{32}\mu_{14} - 2\mu_{02}\mu_{31}^2\mu_{23}^2 + \mu_{02}\mu_{31}\mu_{22}\mu_{50}\mu_{05} \\
& +\mu_{02}\mu_{31}\mu_{22}\mu_{41}\mu_{14} - 2\mu_{02}\mu_{31}\mu_{22}\mu_{32}\mu_{23} + 2\mu_{02}\mu_{31}\mu_{13}\mu_{50}\mu_{14} \\
& -2\mu_{02}\mu_{31}\mu_{13}\mu_{32}^2 - 4\mu_{02}\mu_{31}\mu_{04}\mu_{50}\mu_{23} + 4\mu_{02}\mu_{31}\mu_{04}\mu_{41}\mu_{32} \\
& -3\mu_{02}\mu_{22}^2\mu_{50}\mu_{14} + 3\mu_{02}\mu_{22}^2\mu_{32}^2 + 4\mu_{02}\mu_{22}\mu_{13}\mu_{50}\mu_{23} \\
& -4\mu_{02}\mu_{22}\mu_{13}\mu_{41}\mu_{32} + 4\mu_{02}\mu_{22}\mu_{04}\mu_{50}\mu_{32} - 4\mu_{02}\mu_{22}\mu_{04}\mu_{41}^2 \\
& -4\mu_{02}\mu_{13}^2\mu_{50}\mu_{32} + 4\mu_{02}\mu_{13}^2\mu_{41}^2)/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,0,2,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 4 |
| 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |



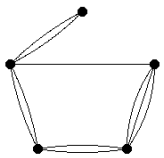
$$
\begin{aligned}
I_{67} \;=\; & (-\mu_{20}\mu_{40}^2\mu_{05}^2 + 8\mu_{20}\mu_{40}\mu_{31}\mu_{14}\mu_{05} - 5\mu_{20}\mu_{40}\mu_{22}\mu_{23}\mu_{05} \\
& -7\mu_{20}\mu_{40}\mu_{22}\mu_{14}^2 + \mu_{20}\mu_{40}\mu_{13}\mu_{32}\mu_{05} + 7\mu_{20}\mu_{40}\mu_{13}\mu_{23}\mu_{14} \\
& -\mu_{20}\mu_{40}\mu_{04}\mu_{32}\mu_{14} - \mu_{20}\mu_{40}\mu_{04}\mu_{23}^2 - 8\mu_{20}\mu_{31}^2\mu_{23}\mu_{05} - 8\mu_{20}\mu_{31}^2\mu_{14}^2 \\
& +10\mu_{20}\mu_{31}\mu_{22}\mu_{32}\mu_{05} + 38\mu_{20}\mu_{31}\mu_{22}\mu_{23}\mu_{14} - 2\mu_{20}\mu_{31}\mu_{13}\mu_{41}\mu_{05} \\
& -16\mu_{20}\mu_{31}\mu_{13}\mu_{32}\mu_{14} - 14\mu_{20}\mu_{31}\mu_{13}\mu_{23}^2 + 2\mu_{20}\mu_{31}\mu_{04}\mu_{41}\mu_{14} \\
& +6\mu_{20}\mu_{31}\mu_{04}\mu_{32}\mu_{23} - 3\mu_{20}\mu_{22}^2\mu_{41}\mu_{05} - 18\mu_{20}\mu_{22}^2\mu_{32}\mu_{14} - 15\mu_{20}\mu_{22}^2\mu_{23}^2 \\
& +\mu_{20}\mu_{22}\mu_{13}\mu_{50}\mu_{05} + 13\mu_{20}\mu_{22}\mu_{13}\mu_{41}\mu_{14} + 34\mu_{20}\mu_{22}\mu_{13}\mu_{32}\mu_{23} \\
& -\mu_{20}\mu_{22}\mu_{04}\mu_{50}\mu_{14} - 7\mu_{20}\mu_{22}\mu_{04}\mu_{41}\mu_{23} - 4\mu_{20}\mu_{22}\mu_{04}\mu_{32}^2 \\
& -2\mu_{20}\mu_{13}^2\mu_{50}\mu_{14} - 8\mu_{20}\mu_{13}^2\mu_{41}\mu_{23} - 6\mu_{20}\mu_{13}^2\mu_{32}^2 + 3\mu_{20}\mu_{13}\mu_{04}\mu_{50}\mu_{23} \\
& +5\mu_{20}\mu_{13}\mu_{04}\mu_{41}\mu_{32} - \mu_{20}\mu_{04}^2\mu_{50}\mu_{32} + 2\mu_{11}\mu_{40}^2\mu_{14}\mu_{05} \\
& -6\mu_{11}\mu_{40}\mu_{31}\mu_{23}\mu_{05} - 10\mu_{11}\mu_{40}\mu_{31}\mu_{14}^2 + 2\mu_{11}\mu_{40}\mu_{22}\mu_{32}\mu_{05} \\
& +22\mu_{11}\mu_{40}\mu_{22}\mu_{23}\mu_{14} - 6\mu_{11}\mu_{40}\mu_{13}\mu_{32}\mu_{14} - 10\mu_{11}\mu_{40}\mu_{13}\mu_{23}^2 \\
& +4\mu_{11}\mu_{40}\mu_{04}\mu_{32}\mu_{23} + 4\mu_{11}\mu_{31}^2\mu_{32}\mu_{05} + 28\mu_{11}\mu_{31}^2\mu_{23}\mu_{14} \\
& -2\mu_{11}\mu_{31}\mu_{22}\mu_{41}\mu_{05} - 44\mu_{11}\mu_{31}\mu_{22}\mu_{32}\mu_{14} - 50\mu_{11}\mu_{31}\mu_{22}\mu_{23}^2 \\
& +8\mu_{11}\mu_{31}\mu_{13}\mu_{41}\mu_{14} + 56\mu_{11}\mu_{31}\mu_{13}\mu_{32}\mu_{23} - 6\mu_{11}\mu_{31}\mu_{04}\mu_{41}\mu_{23} \\
& -10\mu_{11}\mu_{31}\mu_{04}\mu_{32}^2 + 12\mu_{11}\mu_{22}^2\mu_{41}\mu_{14} + 60\mu_{11}\mu_{22}^2\mu_{32}\mu_{23} \\
& -2\mu_{11}\mu_{22}\mu_{13}\mu_{50}\mu_{14} - 44\mu_{11}\mu_{22}\mu_{13}\mu_{41}\mu_{23} - 50\mu_{11}\mu_{22}\mu_{13}\mu_{32}^2 \\
& +2\mu_{11}\mu_{22}\mu_{04}\mu_{50}\mu_{23} + 22\mu_{11}\mu_{22}\mu_{04}\mu_{41}\mu_{32} + 4\mu_{11}\mu_{13}^2\mu_{50}\mu_{23} \\
& +28\mu_{11}\mu_{13}^2\mu_{41}\mu_{32} - 6\mu_{11}\mu_{13}\mu_{04}\mu_{50}\mu_{32} - 10\mu_{11}\mu_{13}\mu_{04}\mu_{41}^2 \\
& +2\mu_{11}\mu_{04}^2\mu_{50}\mu_{41} - \mu_{02}\mu_{40}^2\mu_{23}\mu_{05} + 3\mu_{02}\mu_{40}\mu_{31}\mu_{32}\mu_{05} \\
& +5\mu_{02}\mu_{40}\mu_{31}\mu_{23}\mu_{14} - \mu_{02}\mu_{40}\mu_{22}\mu_{41}\mu_{05} - 7\mu_{02}\mu_{40}\mu_{22}\mu_{32}\mu_{14} \\
& -4\mu_{02}\mu_{40}\mu_{22}\mu_{23}^2 + 2\mu_{02}\mu_{40}\mu_{13}\mu_{41}\mu_{14} + 6\mu_{02}\mu_{40}\mu_{13}\mu_{32}\mu_{23} \\
& -\mu_{02}\mu_{40}\mu_{04}\mu_{41}\mu_{23} - \mu_{02}\mu_{40}\mu_{04}\mu_{32}^2 - 2\mu_{02}\mu_{31}^2\mu_{41}\mu_{05} \\
& -8\mu_{02}\mu_{31}^2\mu_{32}\mu_{14} - 6\mu_{02}\mu_{31}^2\mu_{23}^2 + \mu_{02}\mu_{31}\mu_{22}\mu_{50}\mu_{05} \\
& +13\mu_{02}\mu_{31}\mu_{22}\mu_{41}\mu_{14} + 34\mu_{02}\mu_{31}\mu_{22}\mu_{32}\mu_{23} - 2\mu_{02}\mu_{31}\mu_{13}\mu_{50}\mu_{14} \\
& -16\mu_{02}\mu_{31}\mu_{13}\mu_{41}\mu_{23} - 14\mu_{02}\mu_{31}\mu_{13}\mu_{32}^2 + \mu_{02}\mu_{31}\mu_{04}\mu_{50}\mu_{23} \\
& +7\mu_{02}\mu_{31}\mu_{04}\mu_{41}\mu_{32} - 3\mu_{02}\mu_{22}^2\mu_{50}\mu_{14} - 18\mu_{02}\mu_{22}^2\mu_{41}\mu_{23} - 15\mu_{02}\mu_{22}^2\mu_{32}^2 \\
& +10\mu_{02}\mu_{22}\mu_{13}\mu_{50}\mu_{23} + 38\mu_{02}\mu_{22}\mu_{13}\mu_{41}\mu_{32} - 5\mu_{02}\mu_{22}\mu_{04}\mu_{50}\mu_{32} \\
& -7\mu_{02}\mu_{22}\mu_{04}\mu_{41}^2 - 8\mu_{02}\mu_{13}^2\mu_{50}\mu_{32} - 8\mu_{02}\mu_{13}^2\mu_{41}^2 + 8\mu_{02}\mu_{13}\mu_{04}\mu_{50}\mu_{41} \\
& -\mu_{02}\mu_{04}^2\mu_{50}^2)/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,0,2,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 5 | 5 |



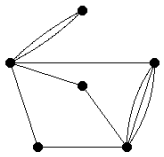
$$
\begin{aligned}
I_{68} \;=\; & (-\mu_{20}^3\mu_{40}\mu_{05}^2 + 4\mu_{20}^3\mu_{31}\mu_{14}\mu_{05} - 3\mu_{20}^3\mu_{22}\mu_{23}\mu_{05} - 3\mu_{20}^3\mu_{22}\mu_{14}^2 \\
& +\mu_{20}^3\mu_{13}\mu_{32}\mu_{05} + 3\mu_{20}^3\mu_{13}\mu_{23}\mu_{14} - \mu_{20}^3\mu_{04}\mu_{32}\mu_{14} \\
& +6\mu_{20}^2\mu_{11}\mu_{40}\mu_{14}\mu_{05} - 10\mu_{20}^2\mu_{11}\mu_{31}\mu_{23}\mu_{05} - 14\mu_{20}^2\mu_{11}\mu_{31}\mu_{14}^2 \\
& +6\mu_{20}^2\mu_{11}\mu_{22}\mu_{32}\mu_{05} + 30\mu_{20}^2\mu_{11}\mu_{22}\mu_{23}\mu_{14} - 2\mu_{20}^2\mu_{11}\mu_{13}\mu_{41}\mu_{05} \\
& -10\mu_{20}^2\mu_{11}\mu_{13}\mu_{32}\mu_{14} - 12\mu_{20}^2\mu_{11}\mu_{13}\mu_{23}^2 + 2\mu_{20}^2\mu_{11}\mu_{04}\mu_{41}\mu_{14} \\
& +4\mu_{20}^2\mu_{11}\mu_{04}\mu_{32}\mu_{23} - \mu_{20}^2\mu_{02}\mu_{40}\mu_{23}\mu_{05} - 2\mu_{20}^2\mu_{02}\mu_{40}\mu_{14}^2 \\
& +\mu_{20}^2\mu_{02}\mu_{31}\mu_{32}\mu_{05} + 11\mu_{20}^2\mu_{02}\mu_{31}\mu_{23}\mu_{14} - 9\mu_{20}^2\mu_{02}\mu_{22}\mu_{32}\mu_{14} \\
& -9\mu_{20}^2\mu_{02}\mu_{22}\mu_{23}^2 + 2\mu_{20}^2\mu_{02}\mu_{13}\mu_{41}\mu_{14} + 10\mu_{20}^2\mu_{02}\mu_{13}\mu_{32}\mu_{23} \\
& -2\mu_{20}^2\mu_{02}\mu_{04}\mu_{41}\mu_{23} - \mu_{20}^2\mu_{02}\mu_{04}\mu_{32}^2 - 6\mu_{20}\mu_{11}^2\mu_{40}\mu_{23}\mu_{05} \\
& -6\mu_{20}\mu_{11}^2\mu_{40}\mu_{14}^2 + 8\mu_{20}\mu_{11}^2\mu_{31}\mu_{32}\mu_{05} + 40\mu_{20}\mu_{11}^2\mu_{31}\mu_{23}\mu_{14} \\
& -3\mu_{20}\mu_{11}^2\mu_{22}\mu_{41}\mu_{05} - 36\mu_{20}\mu_{11}^2\mu_{22}\mu_{32}\mu_{14} - 33\mu_{20}\mu_{11}^2\mu_{22}\mu_{23}^2 \\
& +\mu_{20}\mu_{11}^2\mu_{13}\mu_{50}\mu_{05} + 9\mu_{20}\mu_{11}^2\mu_{13}\mu_{41}\mu_{14} + 38\mu_{20}\mu_{11}^2\mu_{13}\mu_{32}\mu_{23} \\
& -\mu_{20}\mu_{11}^2\mu_{04}\mu_{50}\mu_{14} - 6\mu_{20}\mu_{11}^2\mu_{04}\mu_{41}\mu_{23} - 5\mu_{20}\mu_{11}^2\mu_{04}\mu_{32}^2 \\
& +2\mu_{20}\mu_{11}\mu_{02}\mu_{40}\mu_{32}\mu_{05} + 10\mu_{20}\mu_{11}\mu_{02}\mu_{40}\mu_{23}\mu_{14} \\
& -2\mu_{20}\mu_{11}\mu_{02}\mu_{31}\mu_{41}\mu_{05} - 20\mu_{20}\mu_{11}\mu_{02}\mu_{31}\mu_{32}\mu_{14} \\
& -26\mu_{20}\mu_{11}\mu_{02}\mu_{31}\mu_{23}^2 + 12\mu_{20}\mu_{11}\mu_{02}\mu_{22}\mu_{41}\mu_{14} \\
& +60\mu_{20}\mu_{11}\mu_{02}\mu_{22}\mu_{32}\mu_{23} - 2\mu_{20}\mu_{11}\mu_{02}\mu_{13}\mu_{50}\mu_{14} \\
& -20\mu_{20}\mu_{11}\mu_{02}\mu_{13}\mu_{41}\mu_{23} - 26\mu_{20}\mu_{11}\mu_{02}\mu_{13}\mu_{32}^2 \\
& +2\mu_{20}\mu_{11}\mu_{02}\mu_{04}\mu_{50}\mu_{23} + 10\mu_{20}\mu_{11}\mu_{02}\mu_{04}\mu_{41}\mu_{32} \\
& -2\mu_{20}\mu_{02}^2\mu_{40}\mu_{32}\mu_{14} - \mu_{20}\mu_{02}^2\mu_{40}\mu_{23}^2 + 2\mu_{20}\mu_{02}^2\mu_{31}\mu_{41}\mu_{14} \\
& +10\mu_{20}\mu_{02}^2\mu_{31}\mu_{32}\mu_{23} - 9\mu_{20}\mu_{02}^2\mu_{22}\mu_{41}\mu_{23} - 9\mu_{20}\mu_{02}^2\mu_{22}\mu_{32}^2 \\
& +\mu_{20}\mu_{02}^2\mu_{13}\mu_{50}\mu_{23} + 11\mu_{20}\mu_{02}^2\mu_{13}\mu_{41}\mu_{32} - \mu_{20}\mu_{02}^2\mu_{04}\mu_{50}\mu_{32} \\
& -2\mu_{20}\mu_{02}^2\mu_{04}\mu_{41}^2 + 2\mu_{11}^3\mu_{40}\mu_{32}\mu_{05} + 6\mu_{11}^3\mu_{40}\mu_{23}\mu_{14} - 2\mu_{11}^3\mu_{31}\mu_{41}\mu_{05} \\
& -16\mu_{11}^3\mu_{31}\mu_{32}\mu_{14} - 14\mu_{11}^3\mu_{31}\mu_{23}^2 + 12\mu_{11}^3\mu_{22}\mu_{41}\mu_{14} + 36\mu_{11}^3\mu_{22}\mu_{32}\mu_{23} \\
& -2\mu_{11}^3\mu_{13}\mu_{50}\mu_{14} - 16\mu_{11}^3\mu_{13}\mu_{41}\mu_{23} - 14\mu_{11}^3\mu_{13}\mu_{32}^2 + 2\mu_{11}^3\mu_{04}\mu_{50}\mu_{23} \\
& +6\mu_{11}^3\mu_{04}\mu_{41}\mu_{32} - \mu_{11}^2\mu_{02}\mu_{40}\mu_{41}\mu_{05} - 6\mu_{11}^2\mu_{02}\mu_{40}\mu_{32}\mu_{14} \\
& -5\mu_{11}^2\mu_{02}\mu_{40}\mu_{23}^2 + \mu_{11}^2\mu_{02}\mu_{31}\mu_{50}\mu_{05} + 9\mu_{11}^2\mu_{02}\mu_{31}\mu_{41}\mu_{14} \\
& +38\mu_{11}^2\mu_{02}\mu_{31}\mu_{32}\mu_{23} - 3\mu_{11}^2\mu_{02}\mu_{22}\mu_{50}\mu_{14} - 36\mu_{11}^2\mu_{02}\mu_{22}\mu_{41}\mu_{23} \\
& -33\mu_{11}^2\mu_{02}\mu_{22}\mu_{32}^2 + 8\mu_{11}^2\mu_{02}\mu_{13}\mu_{50}\mu_{23} + 40\mu_{11}^2\mu_{02}\mu_{13}\mu_{41}\mu_{32} \\
& -6\mu_{11}^2\mu_{02}\mu_{04}\mu_{50}\mu_{32} - 6\mu_{11}^2\mu_{02}\mu_{04}\mu_{41}^2 + 2\mu_{11}\mu_{02}^2\mu_{40}\mu_{41}\mu_{14} \\
& +4\mu_{11}\mu_{02}^2\mu_{40}\mu_{32}\mu_{23} - 2\mu_{11}\mu_{02}^2\mu_{31}\mu_{50}\mu_{14} - 10\mu_{11}\mu_{02}^2\mu_{31}\mu_{41}\mu_{23} \\
& -12\mu_{11}\mu_{02}^2\mu_{31}\mu_{32}^2 + 6\mu_{11}\mu_{02}^2\mu_{22}\mu_{50}\mu_{23} + 30\mu_{11}\mu_{02}^2\mu_{22}\mu_{41}\mu_{32} \\
& -10\mu_{11}\mu_{02}^2\mu_{13}\mu_{50}\mu_{32} - 14\mu_{11}\mu_{02}^2\mu_{13}\mu_{41}^2 + 6\mu_{11}\mu_{02}^2\mu_{04}\mu_{50}\mu_{41} \\
& -\mu_{02}^3\mu_{40}\mu_{41}\mu_{23} + \mu_{02}^3\mu_{31}\mu_{50}\mu_{23} + 3\mu_{02}^3\mu_{31}\mu_{41}\mu_{32} - 3\mu_{02}^3\mu_{22}\mu_{50}\mu_{32} \\
& -3\mu_{02}^3\mu_{22}\mu_{41}^2 + 4\mu_{02}^3\mu_{13}\mu_{50}\mu_{41} - \mu_{02}^3\mu_{04}\mu_{50}^2)/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 3,0,1,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 4 |
| 2 | 3 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 |



**Simultaneous invariants of the orders 3, 4 and 5**

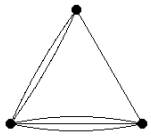
$$\begin{aligned} I_{69} \;=\; & (\mu_{30}\mu_{31}\mu_{05} - 3\mu_{30}\mu_{22}\mu_{14} + 3\mu_{30}\mu_{13}\mu_{23} - \mu_{30}\mu_{04}\mu_{32} - \mu_{21}\mu_{40}\mu_{05} \\ & +\mu_{21}\mu_{31}\mu_{14} + 3\mu_{21}\mu_{22}\mu_{23} - 5\mu_{21}\mu_{13}\mu_{32} + 2\mu_{21}\mu_{04}\mu_{41} + 2\mu_{12}\mu_{40}\mu_{14} \\ & -5\mu_{12}\mu_{31}\mu_{23} + 3\mu_{12}\mu_{22}\mu_{32} + \mu_{12}\mu_{13}\mu_{41} - \mu_{12}\mu_{04}\mu_{50} - \mu_{03}\mu_{40}\mu_{23} \\ & +3\mu_{03}\mu_{31}\mu_{32} - 3\mu_{03}\mu_{22}\mu_{41} + \mu_{03}\mu_{13}\mu_{50})/\mu_{00}^{9} \end{aligned}$$

weight=6

structure: 0,1,1,1

Generating graph:

| | | | | | |
|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 3 | 3 | 3 |



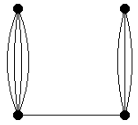
$$\begin{aligned} I_{70} \;=\; & (\mu_{30}\mu_{40}\mu_{13}\mu_{05} - \mu_{30}\mu_{40}\mu_{04}\mu_{14} - 4\mu_{30}\mu_{31}\mu_{13}\mu_{14} + 4\mu_{30}\mu_{31}\mu_{04}\mu_{23} \\ & +6\mu_{30}\mu_{22}\mu_{13}\mu_{23} - 6\mu_{30}\mu_{22}\mu_{04}\mu_{32} - 4\mu_{30}\mu_{13}^{2}\mu_{32} + 5\mu_{30}\mu_{13}\mu_{04}\mu_{41} \\ & -\mu_{30}\mu_{04}^{2}\mu_{50} - 3\mu_{21}\mu_{40}\mu_{22}\mu_{05} + 3\mu_{21}\mu_{40}\mu_{13}\mu_{14} + 12\mu_{21}\mu_{31}\mu_{22}\mu_{14} \\ & -12\mu_{21}\mu_{31}\mu_{13}\mu_{23} - 18\mu_{21}\mu_{22}^{2}\mu_{23} + 30\mu_{21}\mu_{22}\mu_{13}\mu_{32} - 3\mu_{21}\mu_{22}\mu_{04}\mu_{41} \\ & -12\mu_{21}\mu_{13}^{2}\mu_{41} + 3\mu_{21}\mu_{13}\mu_{04}\mu_{50} + 3\mu_{12}\mu_{40}\mu_{31}\mu_{05} - 3\mu_{12}\mu_{40}\mu_{22}\mu_{14} \\ & -12\mu_{12}\mu_{31}^{2}\mu_{14} + 30\mu_{12}\mu_{31}\mu_{22}\mu_{23} - 12\mu_{12}\mu_{31}\mu_{13}\mu_{32} + 3\mu_{12}\mu_{31}\mu_{04}\mu_{41} \\ & -18\mu_{12}\mu_{22}^{2}\mu_{32} + 12\mu_{12}\mu_{22}\mu_{13}\mu_{41} - 3\mu_{12}\mu_{22}\mu_{04}\mu_{50} - \mu_{03}\mu_{40}^{2}\mu_{05} \\ & +5\mu_{03}\mu_{40}\mu_{31}\mu_{14} - 6\mu_{03}\mu_{40}\mu_{22}\mu_{23} + 4\mu_{03}\mu_{40}\mu_{13}\mu_{32} - \mu_{03}\mu_{40}\mu_{04}\mu_{41} \\ & -4\mu_{03}\mu_{31}^{2}\mu_{23} + 6\mu_{03}\mu_{31}\mu_{22}\mu_{32} - 4\mu_{03}\mu_{31}\mu_{13}\mu_{41} + \mu_{03}\mu_{31}\mu_{04}\mu_{50})/\mu_{00}^{12} \end{aligned}$$

weight=8

structure: 0,1,2,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |



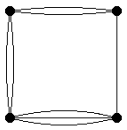
$$
\begin{aligned}
I_{71} \;=\; & (\mu_{30}\mu_{31}\mu_{22}\mu_{05} - 2\mu_{30}\mu_{31}\mu_{13}\mu_{14} + \mu_{30}\mu_{31}\mu_{04}\mu_{23} - 3\mu_{30}\mu_{22}^2\mu_{14} \\
& +9\mu_{30}\mu_{22}\mu_{13}\mu_{23} - 4\mu_{30}\mu_{22}\mu_{04}\mu_{32} - 6\mu_{30}\mu_{13}^2\mu_{32} + 5\mu_{30}\mu_{13}\mu_{04}\mu_{41} \\
& -\mu_{30}\mu_{04}^2\mu_{50} - \mu_{21}\mu_{40}\mu_{22}\mu_{05} + 2\mu_{21}\mu_{40}\mu_{13}\mu_{14} - \mu_{21}\mu_{40}\mu_{04}\mu_{23} \\
& -2\mu_{21}\mu_{31}^2\mu_{05} + 13\mu_{21}\mu_{31}\mu_{22}\mu_{14} - 14\mu_{21}\mu_{31}\mu_{13}\mu_{23} + 5\mu_{21}\mu_{31}\mu_{04}\mu_{32} \\
& -15\mu_{21}\mu_{22}^2\mu_{23} + 25\mu_{21}\mu_{22}\mu_{13}\mu_{32} - 7\mu_{21}\mu_{22}\mu_{04}\mu_{41} - 8\mu_{21}\mu_{13}^2\mu_{41} \\
& +3\mu_{21}\mu_{13}\mu_{04}\mu_{50} + 3\mu_{12}\mu_{40}\mu_{31}\mu_{05} - 7\mu_{12}\mu_{40}\mu_{22}\mu_{14} + 5\mu_{12}\mu_{40}\mu_{13}\mu_{23} \\
& -\mu_{12}\mu_{40}\mu_{04}\mu_{32} - 8\mu_{12}\mu_{31}^2\mu_{14} + 25\mu_{12}\mu_{31}\mu_{22}\mu_{23} - 14\mu_{12}\mu_{31}\mu_{13}\mu_{32} \\
& +2\mu_{12}\mu_{31}\mu_{04}\mu_{41} - 15\mu_{12}\mu_{22}^2\mu_{32} + 13\mu_{12}\mu_{22}\mu_{13}\mu_{41} - \mu_{12}\mu_{22}\mu_{04}\mu_{50} \\
& -2\mu_{12}\mu_{13}^2\mu_{50} - \mu_{03}\mu_{40}^2\mu_{05} + 5\mu_{03}\mu_{40}\mu_{31}\mu_{14} - 4\mu_{03}\mu_{40}\mu_{22}\mu_{23} \\
& +\mu_{03}\mu_{40}\mu_{13}\mu_{32} - 6\mu_{03}\mu_{31}^2\mu_{23} + 9\mu_{03}\mu_{31}\mu_{22}\mu_{32} - 2\mu_{03}\mu_{31}\mu_{13}\mu_{41} \\
& -3\mu_{03}\mu_{22}^2\mu_{41} + \mu_{03}\mu_{22}\mu_{13}\mu_{50})/\mu_{00}^{12}
\end{aligned}
$$

weight=8

structure: 0,1,2,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 |



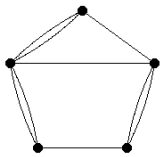
$$
\begin{aligned}
I_{72} \;=\; & (-2\mu_{30}^2\mu_{12}\mu_{22}\mu_{05} + 4\mu_{30}^2\mu_{12}\mu_{13}\mu_{14} - 2\mu_{30}^2\mu_{12}\mu_{04}\mu_{23} + \mu_{30}^2\mu_{03}\mu_{31}\mu_{05} \\
& -\mu_{30}^2\mu_{03}\mu_{22}\mu_{14} - \mu_{30}^2\mu_{03}\mu_{13}\mu_{23} + \mu_{30}^2\mu_{03}\mu_{04}\mu_{32} + 2\mu_{30}\mu_{21}^2\mu_{22}\mu_{05} \\
& -4\mu_{30}\mu_{21}^2\mu_{13}\mu_{14} + 2\mu_{30}\mu_{21}^2\mu_{04}\mu_{23} + \mu_{30}\mu_{21}\mu_{12}\mu_{31}\mu_{05} \\
& +\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{14} - 5\mu_{30}\mu_{21}\mu_{12}\mu_{13}\mu_{23} + 3\mu_{30}\mu_{21}\mu_{12}\mu_{04}\mu_{32} \\
& -\mu_{30}\mu_{21}\mu_{03}\mu_{40}\mu_{05} - 3\mu_{30}\mu_{21}\mu_{03}\mu_{31}\mu_{14} + 7\mu_{30}\mu_{21}\mu_{03}\mu_{22}\mu_{23} \\
& -\mu_{30}\mu_{21}\mu_{03}\mu_{13}\mu_{32} - 2\mu_{30}\mu_{21}\mu_{03}\mu_{04}\mu_{41} - 2\mu_{30}\mu_{12}^2\mu_{31}\mu_{14} \\
& +2\mu_{30}\mu_{12}^2\mu_{22}\mu_{23} + 2\mu_{30}\mu_{12}^2\mu_{13}\mu_{32} - 2\mu_{30}\mu_{12}^2\mu_{04}\mu_{41} \\
& +2\mu_{30}\mu_{12}\mu_{03}\mu_{40}\mu_{14} + \mu_{30}\mu_{12}\mu_{03}\mu_{31}\mu_{23} - 7\mu_{30}\mu_{12}\mu_{03}\mu_{22}\mu_{32} \\
& +3\mu_{30}\mu_{12}\mu_{03}\mu_{13}\mu_{41} + \mu_{30}\mu_{12}\mu_{03}\mu_{04}\mu_{50} - \mu_{30}\mu_{03}^2\mu_{40}\mu_{23} \\
& +\mu_{30}\mu_{03}^2\mu_{31}\mu_{32} + \mu_{30}\mu_{03}^2\mu_{22}\mu_{41} - \mu_{30}\mu_{03}^2\mu_{13}\mu_{50} - 2\mu_{21}^3\mu_{31}\mu_{05} \\
& +6\mu_{21}^3\mu_{13}\mu_{23} - 4\mu_{21}^3\mu_{04}\mu_{32} + \mu_{21}^2\mu_{12}\mu_{40}\mu_{05} + 5\mu_{21}^2\mu_{12}\mu_{31}\mu_{14} \\
& -9\mu_{21}^2\mu_{12}\mu_{22}\mu_{23} - \mu_{21}^2\mu_{12}\mu_{13}\mu_{32} + 4\mu_{21}^2\mu_{12}\mu_{04}\mu_{41} + 2\mu_{21}^2\mu_{03}\mu_{40}\mu_{14} \\
& -2\mu_{21}^2\mu_{03}\mu_{31}\mu_{23} - 2\mu_{21}^2\mu_{03}\mu_{22}\mu_{32} + 2\mu_{21}^2\mu_{03}\mu_{13}\mu_{41} - 4\mu_{21}\mu_{12}^2\mu_{40}\mu_{14} \\
& +\mu_{21}\mu_{12}^2\mu_{31}\mu_{23} + 9\mu_{21}\mu_{12}^2\mu_{22}\mu_{32} - 5\mu_{21}\mu_{12}^2\mu_{13}\mu_{41} - \mu_{21}\mu_{12}^2\mu_{04}\mu_{50} \\
& -3\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{23} + 5\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{32} - \mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{41} \\
& -\mu_{21}\mu_{12}\mu_{03}\mu_{13}\mu_{50} + 2\mu_{21}\mu_{03}^2\mu_{40}\mu_{32} - 4\mu_{21}\mu_{03}^2\mu_{31}\mu_{41} \\
& +2\mu_{21}\mu_{03}^2\mu_{22}\mu_{50} + 4\mu_{12}^3\mu_{40}\mu_{23} - 6\mu_{12}^3\mu_{31}\mu_{32} + 2\mu_{12}^3\mu_{13}\mu_{50} \\
& -2\mu_{12}^2\mu_{03}\mu_{40}\mu_{32} + 4\mu_{12}^2\mu_{03}\mu_{31}\mu_{41} - 2\mu_{12}^2\mu_{03}\mu_{22}\mu_{50})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 0,3,1,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |



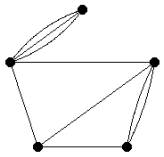
$$
\begin{aligned}
I_{73} \;=\; & (-\mu_{30}^2\mu_{12}\mu_{22}\mu_{05} + 2\mu_{30}^2\mu_{12}\mu_{13}\mu_{14} - \mu_{30}^2\mu_{12}\mu_{04}\mu_{23} + \mu_{30}^2\mu_{03}\mu_{31}\mu_{05} \\
& -2\mu_{30}^2\mu_{03}\mu_{22}\mu_{14} + \mu_{30}^2\mu_{03}\mu_{13}\mu_{23} + \mu_{30}\mu_{21}^2\mu_{22}\mu_{05} - 2\mu_{30}\mu_{21}^2\mu_{13}\mu_{14} \\
& +\mu_{30}\mu_{21}^2\mu_{04}\mu_{23} - \mu_{30}\mu_{21}\mu_{12}\mu_{31}\mu_{05} + 5\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{14} \\
& -7\mu_{30}\mu_{21}\mu_{12}\mu_{13}\mu_{23} + 3\mu_{30}\mu_{21}\mu_{12}\mu_{04}\mu_{32} - \mu_{30}\mu_{21}\mu_{03}\mu_{40}\mu_{05} \\
& -\mu_{30}\mu_{21}\mu_{03}\mu_{31}\mu_{14} + 5\mu_{30}\mu_{21}\mu_{03}\mu_{22}\mu_{23} - 3\mu_{30}\mu_{21}\mu_{03}\mu_{13}\mu_{32} \\
& +\mu_{30}\mu_{12}^2\mu_{40}\mu_{05} - 2\mu_{30}\mu_{12}^2\mu_{31}\mu_{14} - 2\mu_{30}\mu_{12}^2\mu_{22}\mu_{23} + 6\mu_{30}\mu_{12}^2\mu_{13}\mu_{32} \\
& -3\mu_{30}\mu_{12}^2\mu_{04}\mu_{41} + 3\mu_{30}\mu_{12}\mu_{03}\mu_{31}\mu_{23} - 5\mu_{30}\mu_{12}\mu_{03}\mu_{22}\mu_{32} \\
& +\mu_{30}\mu_{12}\mu_{03}\mu_{13}\mu_{41} + \mu_{30}\mu_{12}\mu_{03}\mu_{04}\mu_{50} - \mu_{30}\mu_{03}^2\mu_{31}\mu_{32} \\
& +2\mu_{30}\mu_{03}^2\mu_{22}\mu_{41} - \mu_{30}\mu_{03}^2\mu_{13}\mu_{50} - 3\mu_{21}^3\mu_{22}\mu_{14} + 6\mu_{21}^3\mu_{13}\mu_{23} \\
& -3\mu_{21}^3\mu_{04}\mu_{32} + 3\mu_{21}^2\mu_{12}\mu_{31}\mu_{14} - 3\mu_{21}^2\mu_{12}\mu_{22}\mu_{23} - 3\mu_{21}^2\mu_{12}\mu_{13}\mu_{32} \\
& +3\mu_{21}^2\mu_{12}\mu_{04}\mu_{41} + 3\mu_{21}^2\mu_{03}\mu_{40}\mu_{14} - 6\mu_{21}^2\mu_{03}\mu_{31}\mu_{23} + 2\mu_{21}^2\mu_{03}\mu_{22}\mu_{32} \\
& +2\mu_{21}^2\mu_{03}\mu_{13}\mu_{41} - \mu_{21}^2\mu_{03}\mu_{04}\mu_{50} - 3\mu_{21}\mu_{12}^2\mu_{40}\mu_{14} + 3\mu_{21}\mu_{12}^2\mu_{31}\mu_{23} \\
& +3\mu_{21}\mu_{12}^2\mu_{22}\mu_{32} - 3\mu_{21}\mu_{12}^2\mu_{13}\mu_{41} - 3\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{23} \\
& +7\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{32} - 5\mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{41} + \mu_{21}\mu_{12}\mu_{03}\mu_{13}\mu_{50} \\
& +\mu_{21}\mu_{03}^2\mu_{40}\mu_{32} - 2\mu_{21}\mu_{03}^2\mu_{31}\mu_{41} + \mu_{21}\mu_{03}^2\mu_{22}\mu_{50} + 3\mu_{12}^3\mu_{40}\mu_{23} \\
& -6\mu_{12}^3\mu_{31}\mu_{32} + 3\mu_{12}^3\mu_{22}\mu_{41} - \mu_{12}^2\mu_{03}\mu_{40}\mu_{32} + 2\mu_{12}^2\mu_{03}\mu_{31}\mu_{41} \\
& -\mu_{12}^2\mu_{03}\mu_{22}\mu_{50})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 0,3,1,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 4 |
| 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



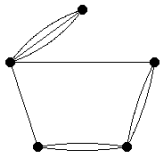
$$
\begin{aligned}
I_{74} \;=\; & (-\mu_{30}^3\mu_{04}\mu_{05} + 4\mu_{30}^2\mu_{21}\mu_{13}\mu_{05} + 5\mu_{30}^2\mu_{21}\mu_{04}\mu_{14} - 2\mu_{30}^2\mu_{12}\mu_{22}\mu_{05} \\
& -4\mu_{30}^2\mu_{12}\mu_{13}\mu_{14} - 3\mu_{30}^2\mu_{12}\mu_{04}\mu_{23} + 2\mu_{30}^2\mu_{03}\mu_{22}\mu_{14} + \mu_{30}^2\mu_{03}\mu_{04}\mu_{32} \\
& -4\mu_{30}\mu_{21}^2\mu_{22}\mu_{05} - 16\mu_{30}\mu_{21}^2\mu_{13}\mu_{14} - 7\mu_{30}\mu_{21}^2\mu_{04}\mu_{23} \\
& +4\mu_{30}\mu_{21}\mu_{12}\mu_{31}\mu_{05} + 16\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{14} + 28\mu_{30}\mu_{21}\mu_{12}\mu_{13}\mu_{23} \\
& +6\mu_{30}\mu_{21}\mu_{12}\mu_{04}\mu_{32} - 4\mu_{30}\mu_{21}\mu_{03}\mu_{31}\mu_{14} - 8\mu_{30}\mu_{21}\mu_{03}\mu_{22}\mu_{23} \\
& -4\mu_{30}\mu_{21}\mu_{03}\mu_{13}\mu_{32} - 2\mu_{30}\mu_{21}\mu_{03}\mu_{04}\mu_{41} - \mu_{30}\mu_{12}^2\mu_{40}\mu_{05} \\
& -4\mu_{30}\mu_{12}^2\mu_{31}\mu_{14} - 10\mu_{30}\mu_{12}^2\mu_{22}\mu_{23} - 12\mu_{30}\mu_{12}^2\mu_{13}\mu_{32} \\
& +2\mu_{30}\mu_{12}\mu_{03}\mu_{40}\mu_{14} + 4\mu_{30}\mu_{12}\mu_{03}\mu_{31}\mu_{23} + 8\mu_{30}\mu_{12}\mu_{03}\mu_{22}\mu_{32} \\
& +4\mu_{30}\mu_{12}\mu_{03}\mu_{13}\mu_{41} - \mu_{30}\mu_{03}^2\mu_{40}\mu_{23} - 2\mu_{30}\mu_{03}^2\mu_{22}\mu_{41} + 12\mu_{21}^3\mu_{22}\mu_{14} \\
& +12\mu_{21}^3\mu_{13}\mu_{23} + 3\mu_{21}^3\mu_{04}\mu_{32} - 12\mu_{21}^2\mu_{12}\mu_{31}\mu_{14} - 42\mu_{21}^2\mu_{12}\mu_{22}\mu_{23} \\
& -24\mu_{21}^2\mu_{12}\mu_{13}\mu_{32} - 3\mu_{21}^2\mu_{12}\mu_{04}\mu_{41} + 12\mu_{21}^2\mu_{03}\mu_{31}\mu_{23} + 10\mu_{21}^2\mu_{03}\mu_{22}\mu_{32} \\
& +4\mu_{21}^2\mu_{03}\mu_{13}\mu_{41} + \mu_{21}^2\mu_{03}\mu_{04}\mu_{50} + 3\mu_{21}\mu_{12}^2\mu_{40}\mu_{14} + 24\mu_{21}\mu_{12}^2\mu_{31}\mu_{23} \\
& +42\mu_{21}\mu_{12}^2\mu_{22}\mu_{32} + 12\mu_{21}\mu_{12}^2\mu_{13}\mu_{41} - 6\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{23} \\
& -28\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{32} - 16\mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{41} - 4\mu_{21}\mu_{12}\mu_{03}\mu_{13}\mu_{50} \\
& +3\mu_{21}\mu_{03}^2\mu_{40}\mu_{32} + 4\mu_{21}\mu_{03}^2\mu_{31}\mu_{41} + 2\mu_{21}\mu_{03}^2\mu_{22}\mu_{50} - 3\mu_{12}^3\mu_{40}\mu_{23} \\
& -12\mu_{12}^3\mu_{31}\mu_{32} - 12\mu_{12}^3\mu_{22}\mu_{41} + 7\mu_{12}^2\mu_{03}\mu_{40}\mu_{32} + 16\mu_{12}^2\mu_{03}\mu_{31}\mu_{41} \\
& +4\mu_{12}^2\mu_{03}\mu_{22}\mu_{50} - 5\mu_{12}\mu_{03}^2\mu_{40}\mu_{41} - 4\mu_{12}\mu_{03}^2\mu_{31}\mu_{50} + \mu_{03}^3\mu_{40}\mu_{50})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 0,3,1,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 |
| 2 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |



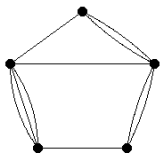
$$
\begin{aligned}
I_{75} \;=\; & (3\mu_{30}^2\mu_{22}\mu_{23}\mu_{05} - 3\mu_{30}^2\mu_{22}\mu_{14}^2 - 3\mu_{30}^2\mu_{13}\mu_{32}\mu_{05} + 3\mu_{30}^2\mu_{13}\mu_{23}\mu_{14} \\
& +\mu_{30}^2\mu_{04}\mu_{41}\mu_{05} - \mu_{30}^2\mu_{04}\mu_{32}\mu_{14} - 6\mu_{30}\mu_{21}\mu_{31}\mu_{23}\mu_{05} \\
& +6\mu_{30}\mu_{21}\mu_{31}\mu_{14}^2 + 2\mu_{30}\mu_{21}\mu_{13}\mu_{41}\mu_{05} + 10\mu_{30}\mu_{21}\mu_{13}\mu_{32}\mu_{14} \\
& -12\mu_{30}\mu_{21}\mu_{13}\mu_{23}^2 - \mu_{30}\mu_{21}\mu_{04}\mu_{50}\mu_{05} - 3\mu_{30}\mu_{21}\mu_{04}\mu_{41}\mu_{14} \\
& +4\mu_{30}\mu_{21}\mu_{04}\mu_{32}\mu_{23} + 2\mu_{30}\mu_{12}\mu_{40}\mu_{23}\mu_{05} - 2\mu_{30}\mu_{12}\mu_{40}\mu_{14}^2 \\
& +2\mu_{30}\mu_{12}\mu_{31}\mu_{32}\mu_{05} - 2\mu_{30}\mu_{12}\mu_{31}\mu_{23}\mu_{14} - 6\mu_{30}\mu_{12}\mu_{22}\mu_{32}\mu_{14} \\
& +6\mu_{30}\mu_{12}\mu_{22}\mu_{23}^2 - 4\mu_{30}\mu_{12}\mu_{13}\mu_{41}\mu_{14} + 4\mu_{30}\mu_{12}\mu_{13}\mu_{32}\mu_{23} \\
& +2\mu_{30}\mu_{12}\mu_{04}\mu_{50}\mu_{14} - 2\mu_{30}\mu_{12}\mu_{04}\mu_{32}^2 - \mu_{30}\mu_{03}\mu_{40}\mu_{32}\mu_{05} \\
& +\mu_{30}\mu_{03}\mu_{40}\mu_{23}\mu_{14} + 2\mu_{30}\mu_{03}\mu_{31}\mu_{32}\mu_{14} - 2\mu_{30}\mu_{03}\mu_{31}\mu_{23}^2 \\
& +2\mu_{30}\mu_{03}\mu_{13}\mu_{41}\mu_{23} - 2\mu_{30}\mu_{03}\mu_{13}\mu_{32}^2 - \mu_{30}\mu_{03}\mu_{04}\mu_{50}\mu_{23} \\
& +\mu_{30}\mu_{03}\mu_{04}\mu_{41}\mu_{32} + \mu_{21}^2\mu_{40}\mu_{23}\mu_{05} - \mu_{21}^2\mu_{40}\mu_{14}^2 + 7\mu_{21}^2\mu_{31}\mu_{32}\mu_{05} \\
& -7\mu_{21}^2\mu_{31}\mu_{23}\mu_{14} - 3\mu_{21}^2\mu_{22}\mu_{41}\mu_{05} - 9\mu_{21}^2\mu_{22}\mu_{32}\mu_{14} + 12\mu_{21}^2\mu_{22}\mu_{23}^2 \\
& +\mu_{21}^2\mu_{13}\mu_{50}\mu_{05} - 5\mu_{21}^2\mu_{13}\mu_{41}\mu_{14} + 4\mu_{21}^2\mu_{13}\mu_{32}\mu_{23} + 2\mu_{21}^2\mu_{04}\mu_{50}\mu_{14} \\
& +2\mu_{21}^2\mu_{04}\mu_{41}\mu_{23} - 4\mu_{21}^2\mu_{04}\mu_{32}^2 - 5\mu_{21}\mu_{12}\mu_{40}\mu_{32}\mu_{05} \\
& +5\mu_{21}\mu_{12}\mu_{40}\mu_{23}\mu_{14} - 4\mu_{21}\mu_{12}\mu_{31}\mu_{41}\mu_{05} + 2\mu_{21}\mu_{12}\mu_{31}\mu_{32}\mu_{14} \\
& +2\mu_{21}\mu_{12}\mu_{31}\mu_{23}^2 + 24\mu_{21}\mu_{12}\mu_{22}\mu_{41}\mu_{14} - 24\mu_{21}\mu_{12}\mu_{22}\mu_{32}\mu_{23} \\
& -4\mu_{21}\mu_{12}\mu_{13}\mu_{50}\mu_{14} + 2\mu_{21}\mu_{12}\mu_{13}\mu_{41}\mu_{23} + 2\mu_{21}\mu_{12}\mu_{13}\mu_{32}^2 \\
& -5\mu_{21}\mu_{12}\mu_{04}\mu_{50}\mu_{23} + 5\mu_{21}\mu_{12}\mu_{04}\mu_{41}\mu_{32} + 2\mu_{21}\mu_{03}\mu_{40}\mu_{41}\mu_{05} \\
& -2\mu_{21}\mu_{03}\mu_{40}\mu_{23}^2 - 4\mu_{21}\mu_{03}\mu_{31}\mu_{41}\mu_{14} + 4\mu_{21}\mu_{03}\mu_{31}\mu_{32}\mu_{23} \\
& -6\mu_{21}\mu_{03}\mu_{22}\mu_{41}\mu_{23} + 6\mu_{21}\mu_{03}\mu_{22}\mu_{32}^2 + 2\mu_{21}\mu_{03}\mu_{13}\mu_{50}\mu_{23} \\
& -2\mu_{21}\mu_{03}\mu_{13}\mu_{41}\mu_{32} + 2\mu_{21}\mu_{03}\mu_{04}\mu_{50}\mu_{32} - 2\mu_{21}\mu_{03}\mu_{04}\mu_{41}^2 \\
& +2\mu_{12}^2\mu_{40}\mu_{41}\mu_{05} + 2\mu_{12}^2\mu_{40}\mu_{32}\mu_{14} - 4\mu_{12}^2\mu_{40}\mu_{23}^2 + \mu_{12}^2\mu_{31}\mu_{50}\mu_{05} \\
& -5\mu_{12}^2\mu_{31}\mu_{41}\mu_{14} + 4\mu_{12}^2\mu_{31}\mu_{32}\mu_{23} - 3\mu_{12}^2\mu_{22}\mu_{50}\mu_{14} - 9\mu_{12}^2\mu_{22}\mu_{41}\mu_{23} \\
& +12\mu_{12}^2\mu_{22}\mu_{32}^2 + 7\mu_{12}^2\mu_{13}\mu_{50}\mu_{23} - 7\mu_{12}^2\mu_{13}\mu_{41}\mu_{32} + \mu_{12}^2\mu_{04}\mu_{50}\mu_{32} \\
& -\mu_{12}^2\mu_{04}\mu_{41}^2 - \mu_{12}\mu_{03}\mu_{40}\mu_{50}\mu_{05} - 3\mu_{12}\mu_{03}\mu_{40}\mu_{41}\mu_{14} \\
& +4\mu_{12}\mu_{03}\mu_{40}\mu_{32}\mu_{23} + 2\mu_{12}\mu_{03}\mu_{31}\mu_{50}\mu_{14} + 10\mu_{12}\mu_{03}\mu_{31}\mu_{41}\mu_{23} \\
& -12\mu_{12}\mu_{03}\mu_{31}\mu_{32}^2 - 6\mu_{12}\mu_{03}\mu_{13}\mu_{50}\mu_{32} + 6\mu_{12}\mu_{03}\mu_{13}\mu_{41}^2 \\
& +\mu_{03}^2\mu_{40}\mu_{50}\mu_{14} - \mu_{03}^2\mu_{40}\mu_{41}\mu_{23} - 3\mu_{03}^2\mu_{31}\mu_{50}\mu_{23} + 3\mu_{03}^2\mu_{31}\mu_{41}\mu_{32} \\
& +3\mu_{03}^2\mu_{22}\mu_{50}\mu_{32} - 3\mu_{03}^2\mu_{22}\mu_{41}^2)/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 0,2,1,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |



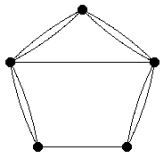
$$
\begin{aligned}
I_{76} \;=\; & (2\mu_{30}\mu_{12}\mu_{40}\mu_{23}\mu_{05} - 2\mu_{30}\mu_{12}\mu_{40}\mu_{14}^2 - 4\mu_{30}\mu_{12}\mu_{31}\mu_{32}\mu_{05} \\
& +4\mu_{30}\mu_{12}\mu_{31}\mu_{23}\mu_{14} + 2\mu_{30}\mu_{12}\mu_{22}\mu_{41}\mu_{05} + 4\mu_{30}\mu_{12}\mu_{22}\mu_{32}\mu_{14} \\
& -6\mu_{30}\mu_{12}\mu_{22}\mu_{23}^2 - 4\mu_{30}\mu_{12}\mu_{13}\mu_{41}\mu_{14} + 4\mu_{30}\mu_{12}\mu_{13}\mu_{32}\mu_{23} \\
& +2\mu_{30}\mu_{12}\mu_{04}\mu_{41}\mu_{23} - 2\mu_{30}\mu_{12}\mu_{04}\mu_{32}^2 - \mu_{30}\mu_{03}\mu_{40}\mu_{32}\mu_{05} \\
& +\mu_{30}\mu_{03}\mu_{40}\mu_{23}\mu_{14} + 2\mu_{30}\mu_{03}\mu_{31}\mu_{41}\mu_{05} - 2\mu_{30}\mu_{03}\mu_{31}\mu_{23}^2 \\
& -\mu_{30}\mu_{03}\mu_{22}\mu_{50}\mu_{05} - 3\mu_{30}\mu_{03}\mu_{22}\mu_{41}\mu_{14} + 4\mu_{30}\mu_{03}\mu_{22}\mu_{32}\mu_{23} \\
& +2\mu_{30}\mu_{03}\mu_{13}\mu_{50}\mu_{14} - 2\mu_{30}\mu_{03}\mu_{13}\mu_{32}^2 - \mu_{30}\mu_{03}\mu_{04}\mu_{50}\mu_{23} \\
& +\mu_{30}\mu_{03}\mu_{04}\mu_{41}\mu_{32} - 2\mu_{21}^2\mu_{40}\mu_{23}\mu_{05} + 2\mu_{21}^2\mu_{40}\mu_{14}^2 + 4\mu_{21}^2\mu_{31}\mu_{32}\mu_{05} \\
& -4\mu_{21}^2\mu_{31}\mu_{23}\mu_{14} - 2\mu_{21}^2\mu_{22}\mu_{41}\mu_{05} - 4\mu_{21}^2\mu_{22}\mu_{32}\mu_{14} + 6\mu_{21}^2\mu_{22}\mu_{23}^2 \\
& +4\mu_{21}^2\mu_{13}\mu_{41}\mu_{14} - 4\mu_{21}^2\mu_{13}\mu_{32}\mu_{23} - 2\mu_{21}^2\mu_{04}\mu_{41}\mu_{23} + 2\mu_{21}^2\mu_{04}\mu_{32}^2 \\
& +\mu_{21}\mu_{12}\mu_{40}\mu_{32}\mu_{05} - \mu_{21}\mu_{12}\mu_{40}\mu_{23}\mu_{14} - 2\mu_{21}\mu_{12}\mu_{31}\mu_{41}\mu_{05} \\
& +2\mu_{21}\mu_{12}\mu_{31}\mu_{23}^2 + \mu_{21}\mu_{12}\mu_{22}\mu_{50}\mu_{05} + 3\mu_{21}\mu_{12}\mu_{22}\mu_{41}\mu_{14} \\
& -4\mu_{21}\mu_{12}\mu_{22}\mu_{32}\mu_{23} - 2\mu_{21}\mu_{12}\mu_{13}\mu_{50}\mu_{14} + 2\mu_{21}\mu_{12}\mu_{13}\mu_{32}^2 \\
& +\mu_{21}\mu_{12}\mu_{04}\mu_{50}\mu_{23} - \mu_{21}\mu_{12}\mu_{04}\mu_{41}\mu_{32} + 2\mu_{21}\mu_{03}\mu_{40}\mu_{32}\mu_{14} \\
& -2\mu_{21}\mu_{03}\mu_{40}\mu_{23}^2 - 4\mu_{21}\mu_{03}\mu_{31}\mu_{41}\mu_{14} + 4\mu_{21}\mu_{03}\mu_{31}\mu_{32}\mu_{23} \\
& +2\mu_{21}\mu_{03}\mu_{22}\mu_{50}\mu_{14} + 4\mu_{21}\mu_{03}\mu_{22}\mu_{41}\mu_{23} - 6\mu_{21}\mu_{03}\mu_{22}\mu_{32}^2 \\
& -4\mu_{21}\mu_{03}\mu_{13}\mu_{50}\mu_{23} + 4\mu_{21}\mu_{03}\mu_{13}\mu_{41}\mu_{32} + 2\mu_{21}\mu_{03}\mu_{04}\mu_{50}\mu_{32} \\
& -2\mu_{21}\mu_{03}\mu_{04}\mu_{41}^2 - 2\mu_{12}^2\mu_{40}\mu_{32}\mu_{14} + 2\mu_{12}^2\mu_{40}\mu_{23}^2 + 4\mu_{12}^2\mu_{31}\mu_{41}\mu_{14} \\
& -4\mu_{12}^2\mu_{31}\mu_{32}\mu_{23} - 2\mu_{12}^2\mu_{22}\mu_{50}\mu_{14} - 4\mu_{12}^2\mu_{22}\mu_{41}\mu_{23} + 6\mu_{12}^2\mu_{22}\mu_{32}^2 \\
& +4\mu_{12}^2\mu_{13}\mu_{50}\mu_{23} - 4\mu_{12}^2\mu_{13}\mu_{41}\mu_{32} - 2\mu_{12}^2\mu_{04}\mu_{50}\mu_{32} + 2\mu_{12}^2\mu_{04}\mu_{41}^2)/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 0,2,1,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |



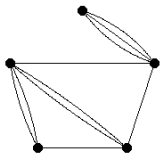
$$
\begin{aligned}
I_{77} \;=\; & (-\mu_{30}^2\mu_{22}\mu_{23}\mu_{05} + \mu_{30}^2\mu_{22}\mu_{14}^2 + \mu_{30}^2\mu_{13}\mu_{32}\mu_{05} - \mu_{30}^2\mu_{13}\mu_{23}\mu_{14} \\
& -\mu_{30}^2\mu_{04}\mu_{32}\mu_{14} + \mu_{30}^2\mu_{04}\mu_{23}^2 + 2\mu_{30}\mu_{21}\mu_{31}\mu_{23}\mu_{05} - 2\mu_{30}\mu_{21}\mu_{31}\mu_{14}^2 \\
& -2\mu_{30}\mu_{21}\mu_{13}\mu_{41}\mu_{05} + 2\mu_{30}\mu_{21}\mu_{13}\mu_{32}\mu_{14} + 2\mu_{30}\mu_{21}\mu_{04}\mu_{41}\mu_{14} \\
& -2\mu_{30}\mu_{21}\mu_{04}\mu_{32}\mu_{23} + 2\mu_{30}\mu_{12}\mu_{40}\mu_{23}\mu_{05} - 2\mu_{30}\mu_{12}\mu_{40}\mu_{14}^2 \\
& -6\mu_{30}\mu_{12}\mu_{31}\mu_{32}\mu_{05} + 6\mu_{30}\mu_{12}\mu_{31}\mu_{23}\mu_{14} + 3\mu_{30}\mu_{12}\mu_{22}\mu_{41}\mu_{05} \\
& +6\mu_{30}\mu_{12}\mu_{22}\mu_{32}\mu_{14} - 9\mu_{30}\mu_{12}\mu_{22}\mu_{23}^2 + \mu_{30}\mu_{12}\mu_{13}\mu_{50}\mu_{05} \\
& -7\mu_{30}\mu_{12}\mu_{13}\mu_{41}\mu_{14} + 6\mu_{30}\mu_{12}\mu_{13}\mu_{32}\mu_{23} - \mu_{30}\mu_{12}\mu_{04}\mu_{50}\mu_{14} \\
& +4\mu_{30}\mu_{12}\mu_{04}\mu_{41}\mu_{23} - 3\mu_{30}\mu_{12}\mu_{04}\mu_{32}^2 - \mu_{30}\mu_{03}\mu_{40}\mu_{32}\mu_{05} \\
& +\mu_{30}\mu_{03}\mu_{40}\mu_{23}\mu_{14} + 3\mu_{30}\mu_{03}\mu_{31}\mu_{41}\mu_{05} - 2\mu_{30}\mu_{03}\mu_{31}\mu_{32}\mu_{14} \\
& -\mu_{30}\mu_{03}\mu_{31}\mu_{23}^2 - 2\mu_{30}\mu_{03}\mu_{22}\mu_{50}\mu_{05} - 2\mu_{30}\mu_{03}\mu_{22}\mu_{41}\mu_{14} \\
& +4\mu_{30}\mu_{03}\mu_{22}\mu_{32}\mu_{23} + 3\mu_{30}\mu_{03}\mu_{13}\mu_{50}\mu_{14} - 2\mu_{30}\mu_{03}\mu_{13}\mu_{41}\mu_{23} \\
& -\mu_{30}\mu_{03}\mu_{13}\mu_{32}^2 - \mu_{30}\mu_{03}\mu_{04}\mu_{50}\mu_{23} + \mu_{30}\mu_{03}\mu_{04}\mu_{41}\mu_{32} \\
& -3\mu_{21}^2\mu_{40}\mu_{23}\mu_{05} + 3\mu_{21}^2\mu_{40}\mu_{14}^2 + 3\mu_{21}^2\mu_{31}\mu_{32}\mu_{05} - 3\mu_{21}^2\mu_{31}\mu_{23}\mu_{14} \\
& -9\mu_{21}^2\mu_{22}\mu_{32}\mu_{14} + 9\mu_{21}^2\mu_{22}\mu_{23}^2 + 6\mu_{21}^2\mu_{13}\mu_{41}\mu_{14} - 6\mu_{21}^2\mu_{13}\mu_{32}\mu_{23} \\
& -6\mu_{21}^2\mu_{04}\mu_{41}\mu_{23} + 6\mu_{21}^2\mu_{04}\mu_{32}^2 + 3\mu_{21}\mu_{12}\mu_{40}\mu_{32}\mu_{05} \\
& -3\mu_{21}\mu_{12}\mu_{40}\mu_{23}\mu_{14} - 3\mu_{21}\mu_{12}\mu_{31}\mu_{41}\mu_{05} + 6\mu_{21}\mu_{12}\mu_{31}\mu_{32}\mu_{14} \\
& -3\mu_{21}\mu_{12}\mu_{31}\mu_{23}^2 - 3\mu_{21}\mu_{12}\mu_{13}\mu_{50}\mu_{14} + 6\mu_{21}\mu_{12}\mu_{13}\mu_{41}\mu_{23} \\
& -3\mu_{21}\mu_{12}\mu_{13}\mu_{32}^2 + 3\mu_{21}\mu_{12}\mu_{04}\mu_{50}\mu_{23} - 3\mu_{21}\mu_{12}\mu_{04}\mu_{41}\mu_{32} \\
& -\mu_{21}\mu_{03}\mu_{40}\mu_{41}\mu_{05} + 4\mu_{21}\mu_{03}\mu_{40}\mu_{32}\mu_{14} - 3\mu_{21}\mu_{03}\mu_{40}\mu_{23}^2 \\
& +\mu_{21}\mu_{03}\mu_{31}\mu_{50}\mu_{05} - 7\mu_{21}\mu_{03}\mu_{31}\mu_{41}\mu_{14} + 6\mu_{21}\mu_{03}\mu_{31}\mu_{32}\mu_{23} \\
& +3\mu_{21}\mu_{03}\mu_{22}\mu_{50}\mu_{14} + 6\mu_{21}\mu_{03}\mu_{22}\mu_{41}\mu_{23} - 9\mu_{21}\mu_{03}\mu_{22}\mu_{32}^2 \\
& -6\mu_{21}\mu_{03}\mu_{13}\mu_{50}\mu_{23} + 6\mu_{21}\mu_{03}\mu_{13}\mu_{41}\mu_{32} + 2\mu_{21}\mu_{03}\mu_{04}\mu_{50}\mu_{32} \\
& -2\mu_{21}\mu_{03}\mu_{04}\mu_{41}^2 - 6\mu_{12}^2\mu_{40}\mu_{32}\mu_{14} + 6\mu_{12}^2\mu_{40}\mu_{23}^2 + 6\mu_{12}^2\mu_{31}\mu_{41}\mu_{14} \\
& -6\mu_{12}^2\mu_{31}\mu_{32}\mu_{23} - 9\mu_{12}^2\mu_{22}\mu_{41}\mu_{23} + 9\mu_{12}^2\mu_{22}\mu_{32}^2 + 3\mu_{12}^2\mu_{13}\mu_{50}\mu_{23} \\
& -3\mu_{12}^2\mu_{13}\mu_{41}\mu_{32} - 3\mu_{12}^2\mu_{04}\mu_{50}\mu_{32} + 3\mu_{12}^2\mu_{04}\mu_{41}^2 + 2\mu_{12}\mu_{03}\mu_{40}\mu_{41}\mu_{14} \\
& -2\mu_{12}\mu_{03}\mu_{40}\mu_{32}\mu_{23} - 2\mu_{12}\mu_{03}\mu_{31}\mu_{50}\mu_{14} + 2\mu_{12}\mu_{03}\mu_{31}\mu_{41}\mu_{23} \\
& +2\mu_{12}\mu_{03}\mu_{13}\mu_{50}\mu_{32} - 2\mu_{12}\mu_{03}\mu_{13}\mu_{41}^2 - \mu_{03}^2\mu_{40}\mu_{41}\mu_{23} + \mu_{03}^2\mu_{40}\mu_{32}^2 \\
& +\mu_{03}^2\mu_{31}\mu_{50}\mu_{23} - \mu_{03}^2\mu_{31}\mu_{41}\mu_{32} - \mu_{03}^2\mu_{22}\mu_{50}\mu_{32} + \mu_{03}^2\mu_{22}\mu_{41}^2)/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 0,2,1,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 4 |
| 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |



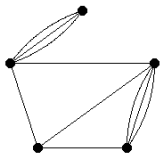
$$
\begin{aligned}
I_{78} \;=\; & (3\mu_{30}^2\mu_{22}\mu_{23}\mu_{05} - 3\mu_{30}^2\mu_{22}\mu_{14}^2 - 3\mu_{30}^2\mu_{13}\mu_{32}\mu_{05} + 3\mu_{30}^2\mu_{13}\mu_{23}\mu_{14} \\
& +\mu_{30}^2\mu_{04}\mu_{41}\mu_{05} - \mu_{30}^2\mu_{04}\mu_{32}\mu_{14} - 6\mu_{30}\mu_{21}\mu_{31}\mu_{23}\mu_{05} \\
& +6\mu_{30}\mu_{21}\mu_{31}\mu_{14}^2 + 2\mu_{30}\mu_{21}\mu_{13}\mu_{41}\mu_{05} + 10\mu_{30}\mu_{21}\mu_{13}\mu_{32}\mu_{14} \\
& -12\mu_{30}\mu_{21}\mu_{13}\mu_{23}^2 - \mu_{30}\mu_{21}\mu_{04}\mu_{50}\mu_{05} - 3\mu_{30}\mu_{21}\mu_{04}\mu_{41}\mu_{14} \\
& +4\mu_{30}\mu_{21}\mu_{04}\mu_{32}\mu_{23} + 6\mu_{30}\mu_{12}\mu_{31}\mu_{32}\mu_{05} - 6\mu_{30}\mu_{12}\mu_{31}\mu_{23}\mu_{14} \\
& -3\mu_{30}\mu_{12}\mu_{22}\mu_{41}\mu_{05} - 6\mu_{30}\mu_{12}\mu_{22}\mu_{32}\mu_{14} + 9\mu_{30}\mu_{12}\mu_{22}\mu_{23}^2 \\
& +\mu_{30}\mu_{12}\mu_{13}\mu_{50}\mu_{05} - 3\mu_{30}\mu_{12}\mu_{13}\mu_{41}\mu_{14} + 2\mu_{30}\mu_{12}\mu_{13}\mu_{32}\mu_{23} \\
& +\mu_{30}\mu_{12}\mu_{04}\mu_{50}\mu_{14} + 2\mu_{30}\mu_{12}\mu_{04}\mu_{41}\mu_{23} - 3\mu_{30}\mu_{12}\mu_{04}\mu_{32}^2 \\
& -\mu_{30}\mu_{03}\mu_{31}\mu_{41}\mu_{05} - 2\mu_{30}\mu_{03}\mu_{31}\mu_{32}\mu_{14} + 3\mu_{30}\mu_{03}\mu_{31}\mu_{23}^2 \\
& +6\mu_{30}\mu_{03}\mu_{22}\mu_{41}\mu_{14} - 6\mu_{30}\mu_{03}\mu_{22}\mu_{32}\mu_{23} - \mu_{30}\mu_{03}\mu_{13}\mu_{50}\mu_{14} \\
& -2\mu_{30}\mu_{03}\mu_{13}\mu_{41}\mu_{23} + 3\mu_{30}\mu_{03}\mu_{13}\mu_{32}^2 + 3\mu_{21}^2\mu_{40}\mu_{23}\mu_{05} - 3\mu_{21}^2\mu_{40}\mu_{14}^2 \\
& +3\mu_{21}^2\mu_{31}\mu_{32}\mu_{05} - 3\mu_{21}^2\mu_{31}\mu_{23}\mu_{14} - 9\mu_{21}^2\mu_{22}\mu_{32}\mu_{14} + 9\mu_{21}^2\mu_{22}\mu_{23}^2 \\
& -6\mu_{21}^2\mu_{13}\mu_{41}\mu_{14} + 6\mu_{21}^2\mu_{13}\mu_{32}\mu_{23} + 3\mu_{21}^2\mu_{04}\mu_{50}\mu_{14} - 3\mu_{21}^2\mu_{04}\mu_{32}^2 \\
& -6\mu_{21}\mu_{12}\mu_{40}\mu_{32}\mu_{05} + 6\mu_{21}\mu_{12}\mu_{40}\mu_{23}\mu_{14} - 3\mu_{21}\mu_{12}\mu_{31}\mu_{41}\mu_{05} \\
& +6\mu_{21}\mu_{12}\mu_{31}\mu_{32}\mu_{14} - 3\mu_{21}\mu_{12}\mu_{31}\mu_{23}^2 + 18\mu_{21}\mu_{12}\mu_{22}\mu_{41}\mu_{14} \\
& -18\mu_{21}\mu_{12}\mu_{22}\mu_{32}\mu_{23} - 3\mu_{21}\mu_{12}\mu_{13}\mu_{50}\mu_{14} + 6\mu_{21}\mu_{12}\mu_{13}\mu_{41}\mu_{23} \\
& -3\mu_{21}\mu_{12}\mu_{13}\mu_{32}^2 - 6\mu_{21}\mu_{12}\mu_{04}\mu_{50}\mu_{23} + 6\mu_{21}\mu_{12}\mu_{04}\mu_{41}\mu_{32} \\
& +\mu_{21}\mu_{03}\mu_{40}\mu_{41}\mu_{05} + 2\mu_{21}\mu_{03}\mu_{40}\mu_{32}\mu_{14} - 3\mu_{21}\mu_{03}\mu_{40}\mu_{23}^2 \\
& +\mu_{21}\mu_{03}\mu_{31}\mu_{50}\mu_{05} - 3\mu_{21}\mu_{03}\mu_{31}\mu_{41}\mu_{14} + 2\mu_{21}\mu_{03}\mu_{31}\mu_{32}\mu_{23} \\
& -3\mu_{21}\mu_{03}\mu_{22}\mu_{50}\mu_{14} - 6\mu_{21}\mu_{03}\mu_{22}\mu_{41}\mu_{23} + 9\mu_{21}\mu_{03}\mu_{22}\mu_{32}^2 \\
& +6\mu_{21}\mu_{03}\mu_{13}\mu_{50}\mu_{23} - 6\mu_{21}\mu_{03}\mu_{13}\mu_{41}\mu_{32} + 3\mu_{12}^2\mu_{40}\mu_{41}\mu_{05} \\
& -3\mu_{12}^2\mu_{40}\mu_{23}^2 - 6\mu_{12}^2\mu_{31}\mu_{41}\mu_{14} + 6\mu_{12}^2\mu_{31}\mu_{32}\mu_{23} - 9\mu_{12}^2\mu_{22}\mu_{41}\mu_{23} \\
& +9\mu_{12}^2\mu_{22}\mu_{32}^2 + 3\mu_{12}^2\mu_{13}\mu_{50}\mu_{23} - 3\mu_{12}^2\mu_{13}\mu_{41}\mu_{32} + 3\mu_{12}^2\mu_{04}\mu_{50}\mu_{32} \\
& -3\mu_{12}^2\mu_{04}\mu_{41}^2 - \mu_{12}\mu_{03}\mu_{40}\mu_{50}\mu_{05} - 3\mu_{12}\mu_{03}\mu_{40}\mu_{41}\mu_{14} \\
& +4\mu_{12}\mu_{03}\mu_{40}\mu_{32}\mu_{23} + 2\mu_{12}\mu_{03}\mu_{31}\mu_{50}\mu_{14} + 10\mu_{12}\mu_{03}\mu_{31}\mu_{41}\mu_{23} \\
& -12\mu_{12}\mu_{03}\mu_{31}\mu_{32}^2 - 6\mu_{12}\mu_{03}\mu_{13}\mu_{50}\mu_{32} + 6\mu_{12}\mu_{03}\mu_{13}\mu_{41}^2 \\
& +\mu_{03}^2\mu_{40}\mu_{50}\mu_{14} - \mu_{03}^2\mu_{40}\mu_{41}\mu_{23} - 3\mu_{03}^2\mu_{31}\mu_{50}\mu_{23} + 3\mu_{03}^2\mu_{31}\mu_{41}\mu_{32} \\
& +3\mu_{03}^2\mu_{22}\mu_{50}\mu_{32} - 3\mu_{03}^2\mu_{22}\mu_{41}^2)/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 0,2,1,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 4 |
| 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 5 |



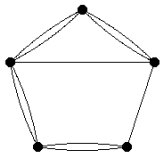
$$
\begin{aligned}
I_{79} \;=\; & (\mu_{30}\mu_{40}\mu_{22}\mu_{13}\mu_{05} - \mu_{30}\mu_{40}\mu_{22}\mu_{04}\mu_{14} - 2\mu_{30}\mu_{40}\mu_{13}^2\mu_{14} \\
& +3\mu_{30}\mu_{40}\mu_{13}\mu_{04}\mu_{23} - \mu_{30}\mu_{40}\mu_{04}^2\mu_{32} - \mu_{30}\mu_{31}\mu_{22}^2\mu_{05} \\
& +2\mu_{30}\mu_{31}\mu_{22}\mu_{04}\mu_{23} + 4\mu_{30}\mu_{31}\mu_{13}^2\mu_{23} - 8\mu_{30}\mu_{31}\mu_{13}\mu_{04}\mu_{32} \\
& +3\mu_{30}\mu_{31}\mu_{04}^2\mu_{41} + 3\mu_{30}\mu_{22}^3\mu_{14} - 9\mu_{30}\mu_{22}^2\mu_{13}\mu_{23} + \mu_{30}\mu_{22}^2\mu_{04}\mu_{32} \\
& +8\mu_{30}\mu_{22}\mu_{13}^2\mu_{32} + \mu_{30}\mu_{22}\mu_{13}\mu_{04}\mu_{41} - 2\mu_{30}\mu_{22}\mu_{04}^2\mu_{50} - 4\mu_{30}\mu_{13}^3\mu_{41} \\
& +2\mu_{30}\mu_{13}^2\mu_{04}\mu_{50} - 2\mu_{21}\mu_{40}\mu_{31}\mu_{13}\mu_{05} + 2\mu_{21}\mu_{40}\mu_{31}\mu_{04}\mu_{14} \\
& -2\mu_{21}\mu_{40}\mu_{22}^2\mu_{05} + 11\mu_{21}\mu_{40}\mu_{22}\mu_{13}\mu_{14} - 7\mu_{21}\mu_{40}\mu_{22}\mu_{04}\mu_{23} \\
& -8\mu_{21}\mu_{40}\mu_{13}^2\mu_{23} + 7\mu_{21}\mu_{40}\mu_{13}\mu_{04}\mu_{32} - \mu_{21}\mu_{40}\mu_{04}^2\mu_{41} \\
& +4\mu_{21}\mu_{31}^2\mu_{22}\mu_{05} - 4\mu_{21}\mu_{31}^2\mu_{04}\mu_{23} - 13\mu_{21}\mu_{31}\mu_{22}^2\mu_{14} \\
& +4\mu_{21}\mu_{31}\mu_{22}\mu_{13}\mu_{23} + 14\mu_{21}\mu_{31}\mu_{22}\mu_{04}\mu_{32} + 4\mu_{21}\mu_{31}\mu_{13}^2\mu_{32} \\
& -10\mu_{21}\mu_{31}\mu_{13}\mu_{04}\mu_{41} + \mu_{21}\mu_{31}\mu_{04}^2\mu_{50} + 15\mu_{21}\mu_{22}^3\mu_{23} - 25\mu_{21}\mu_{22}^2\mu_{13}\mu_{32} \\
& -5\mu_{21}\mu_{22}^2\mu_{04}\mu_{41} + 16\mu_{21}\mu_{22}\mu_{13}^2\mu_{41} + 3\mu_{21}\mu_{22}\mu_{13}\mu_{04}\mu_{50} - 4\mu_{21}\mu_{13}^3\mu_{50} \\
& +\mu_{12}\mu_{40}^2\mu_{13}\mu_{05} - \mu_{12}\mu_{40}^2\mu_{04}\mu_{14} + 3\mu_{12}\mu_{40}\mu_{31}\mu_{22}\mu_{05} \\
& -10\mu_{12}\mu_{40}\mu_{31}\mu_{13}\mu_{14} + 7\mu_{12}\mu_{40}\mu_{31}\mu_{04}\mu_{23} - 5\mu_{12}\mu_{40}\mu_{22}^2\mu_{14} \\
& +14\mu_{12}\mu_{40}\mu_{22}\mu_{13}\mu_{23} - 7\mu_{12}\mu_{40}\mu_{22}\mu_{04}\mu_{32} - 4\mu_{12}\mu_{40}\mu_{13}^2\mu_{32} \\
& +2\mu_{12}\mu_{40}\mu_{13}\mu_{04}\mu_{41} - 4\mu_{12}\mu_{31}^3\mu_{05} + 16\mu_{12}\mu_{31}^2\mu_{22}\mu_{14} + 4\mu_{12}\mu_{31}^2\mu_{13}\mu_{23} \\
& -8\mu_{12}\mu_{31}^2\mu_{04}\mu_{32} - 25\mu_{12}\mu_{31}\mu_{22}^2\mu_{23} + 4\mu_{12}\mu_{31}\mu_{22}\mu_{13}\mu_{32} \\
& +11\mu_{12}\mu_{31}\mu_{22}\mu_{04}\mu_{41} - 2\mu_{12}\mu_{31}\mu_{13}\mu_{04}\mu_{50} + 15\mu_{12}\mu_{22}^3\mu_{32} \\
& -13\mu_{12}\mu_{22}^2\mu_{13}\mu_{41} - 2\mu_{12}\mu_{22}^2\mu_{04}\mu_{50} + 4\mu_{12}\mu_{22}\mu_{13}^2\mu_{50} - 2\mu_{03}\mu_{40}^2\mu_{22}\mu_{05} \\
& +3\mu_{03}\mu_{40}^2\mu_{13}\mu_{14} - \mu_{03}\mu_{40}^2\mu_{04}\mu_{23} + 2\mu_{03}\mu_{40}\mu_{31}^2\mu_{05} \\
& +\mu_{03}\mu_{40}\mu_{31}\mu_{22}\mu_{14} - 8\mu_{03}\mu_{40}\mu_{31}\mu_{13}\mu_{23} + 3\mu_{03}\mu_{40}\mu_{31}\mu_{04}\mu_{32} \\
& +\mu_{03}\mu_{40}\mu_{22}^2\mu_{23} + 2\mu_{03}\mu_{40}\mu_{22}\mu_{13}\mu_{32} - \mu_{03}\mu_{40}\mu_{22}\mu_{04}\mu_{41} \\
& -4\mu_{03}\mu_{31}^3\mu_{14} + 8\mu_{03}\mu_{31}^2\mu_{22}\mu_{23} + 4\mu_{03}\mu_{31}^2\mu_{13}\mu_{32} - 2\mu_{03}\mu_{31}^2\mu_{04}\mu_{41} \\
& -9\mu_{03}\mu_{31}\mu_{22}^2\mu_{32} + \mu_{03}\mu_{31}\mu_{22}\mu_{04}\mu_{50} + 3\mu_{03}\mu_{22}^3\mu_{41} - \mu_{03}\mu_{22}^2\mu_{13}\mu_{50})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 0,1,3,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| 2 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |



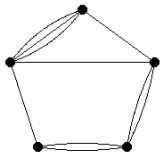
$$
\begin{aligned}
I_{80} \;=\; & (-\mu_{30}\mu_{40}\mu_{22}\mu_{13}\mu_{05} + \mu_{30}\mu_{40}\mu_{22}\mu_{04}\mu_{14} + 2\mu_{30}\mu_{40}\mu_{13}^2\mu_{14} \\
& -3\mu_{30}\mu_{40}\mu_{13}\mu_{04}\mu_{23} + \mu_{30}\mu_{40}\mu_{04}^2\mu_{32} + 2\mu_{30}\mu_{31}^2\mu_{13}\mu_{05} \\
& -2\mu_{30}\mu_{31}^2\mu_{04}\mu_{14} - \mu_{30}\mu_{31}\mu_{22}^2\mu_{05} - 4\mu_{30}\mu_{31}\mu_{22}\mu_{13}\mu_{14} \\
& +6\mu_{30}\mu_{31}\mu_{22}\mu_{04}\mu_{23} - \mu_{30}\mu_{31}\mu_{04}^2\mu_{41} + 3\mu_{30}\mu_{22}^3\mu_{14} - 3\mu_{30}\mu_{22}^2\mu_{13}\mu_{23} \\
& -5\mu_{30}\mu_{22}^2\mu_{04}\mu_{32} + 4\mu_{30}\mu_{22}\mu_{13}^2\mu_{32} + 3\mu_{30}\mu_{22}\mu_{13}\mu_{04}\mu_{41} - 2\mu_{30}\mu_{13}^3\mu_{41} \\
& -2\mu_{21}\mu_{40}\mu_{31}\mu_{13}\mu_{05} + 2\mu_{21}\mu_{40}\mu_{31}\mu_{04}\mu_{14} + 4\mu_{21}\mu_{40}\mu_{22}^2\mu_{05} \\
& -7\mu_{21}\mu_{40}\mu_{22}\mu_{13}\mu_{14} - \mu_{21}\mu_{40}\mu_{22}\mu_{04}\mu_{23} + 4\mu_{21}\mu_{40}\mu_{13}^2\mu_{23} \\
& +\mu_{21}\mu_{40}\mu_{13}\mu_{04}\mu_{32} - \mu_{21}\mu_{40}\mu_{04}^2\mu_{41} - 2\mu_{21}\mu_{31}^2\mu_{22}\mu_{05} \\
& +6\mu_{21}\mu_{31}^2\mu_{13}\mu_{14} - 4\mu_{21}\mu_{31}^2\mu_{04}\mu_{23} - \mu_{21}\mu_{31}\mu_{22}^2\mu_{14} \\
& +4\mu_{21}\mu_{31}\mu_{22}\mu_{13}\mu_{23} + 2\mu_{21}\mu_{31}\mu_{22}\mu_{04}\mu_{32} - 8\mu_{21}\mu_{31}\mu_{13}^2\mu_{32} \\
& +2\mu_{21}\mu_{31}\mu_{13}\mu_{04}\mu_{41} + \mu_{21}\mu_{31}\mu_{04}^2\mu_{50} - 3\mu_{21}\mu_{22}^3\mu_{23} + 5\mu_{21}\mu_{22}^2\mu_{13}\mu_{32} \\
& +\mu_{21}\mu_{22}^2\mu_{04}\mu_{41} - 2\mu_{21}\mu_{22}\mu_{13}^2\mu_{41} - 3\mu_{21}\mu_{22}\mu_{13}\mu_{04}\mu_{50} + 2\mu_{21}\mu_{13}^3\mu_{50} \\
& +\mu_{12}\mu_{40}^2\mu_{13}\mu_{05} - \mu_{12}\mu_{40}^2\mu_{04}\mu_{14} - 3\mu_{12}\mu_{40}\mu_{31}\mu_{22}\mu_{05} \\
& +2\mu_{12}\mu_{40}\mu_{31}\mu_{13}\mu_{14} + \mu_{12}\mu_{40}\mu_{31}\mu_{04}\mu_{23} + \mu_{12}\mu_{40}\mu_{22}^2\mu_{14} \\
& +2\mu_{12}\mu_{40}\mu_{22}\mu_{13}\mu_{23} - \mu_{12}\mu_{40}\mu_{22}\mu_{04}\mu_{32} - 4\mu_{12}\mu_{40}\mu_{13}^2\mu_{32} \\
& +2\mu_{12}\mu_{40}\mu_{13}\mu_{04}\mu_{41} + 2\mu_{12}\mu_{31}^3\mu_{05} - 2\mu_{12}\mu_{31}^2\mu_{22}\mu_{14} - 8\mu_{12}\mu_{31}^2\mu_{13}\mu_{23} \\
& +4\mu_{12}\mu_{31}^2\mu_{04}\mu_{32} + 5\mu_{12}\mu_{31}\mu_{22}^2\mu_{23} + 4\mu_{12}\mu_{31}\mu_{22}\mu_{13}\mu_{32} \\
& -7\mu_{12}\mu_{31}\mu_{22}\mu_{04}\mu_{41} + 6\mu_{12}\mu_{31}\mu_{13}^2\mu_{41} - 2\mu_{12}\mu_{31}\mu_{13}\mu_{04}\mu_{50} \\
& -3\mu_{12}\mu_{22}^3\mu_{32} - \mu_{12}\mu_{22}^2\mu_{13}\mu_{41} + 4\mu_{12}\mu_{22}^2\mu_{04}\mu_{50} - 2\mu_{12}\mu_{22}\mu_{13}^2\mu_{50} \\
& -\mu_{03}\mu_{40}^2\mu_{13}\mu_{14} + \mu_{03}\mu_{40}^2\mu_{04}\mu_{23} + 3\mu_{03}\mu_{40}\mu_{31}\mu_{22}\mu_{14} \\
& -3\mu_{03}\mu_{40}\mu_{31}\mu_{04}\mu_{32} - 5\mu_{03}\mu_{40}\mu_{22}^2\mu_{23} + 6\mu_{03}\mu_{40}\mu_{22}\mu_{13}\mu_{32} \\
& +\mu_{03}\mu_{40}\mu_{22}\mu_{04}\mu_{41} - 2\mu_{03}\mu_{40}\mu_{13}^2\mu_{41} - 2\mu_{03}\mu_{31}^3\mu_{14} + 4\mu_{03}\mu_{31}^2\mu_{22}\mu_{23} \\
& +2\mu_{03}\mu_{31}^2\mu_{04}\mu_{41} - 3\mu_{03}\mu_{31}\mu_{22}^2\mu_{32} - 4\mu_{03}\mu_{31}\mu_{22}\mu_{13}\mu_{41} \\
& -\mu_{03}\mu_{31}\mu_{22}\mu_{04}\mu_{50} + 2\mu_{03}\mu_{31}\mu_{13}^2\mu_{50} + 3\mu_{03}\mu_{22}^3\mu_{41} - \mu_{03}\mu_{22}^2\mu_{13}\mu_{50})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 0,1,3,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| 2 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |



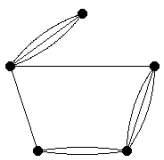
$$
\begin{aligned}
I_{81} \;=\; & (-\mu_{30}^2\mu_{40}\mu_{05}^2 + 4\mu_{30}^2\mu_{31}\mu_{14}\mu_{05} - 3\mu_{30}^2\mu_{22}\mu_{23}\mu_{05} - 3\mu_{30}^2\mu_{22}\mu_{14}^2 \\
& +\mu_{30}^2\mu_{13}\mu_{32}\mu_{05} + 3\mu_{30}^2\mu_{13}\mu_{23}\mu_{14} - \mu_{30}^2\mu_{04}\mu_{32}\mu_{14} \\
& +6\mu_{30}\mu_{21}\mu_{40}\mu_{14}\mu_{05} - 10\mu_{30}\mu_{21}\mu_{31}\mu_{23}\mu_{05} - 14\mu_{30}\mu_{21}\mu_{31}\mu_{14}^2 \\
& +6\mu_{30}\mu_{21}\mu_{22}\mu_{32}\mu_{05} + 30\mu_{30}\mu_{21}\mu_{22}\mu_{23}\mu_{14} - 2\mu_{30}\mu_{21}\mu_{13}\mu_{41}\mu_{05} \\
& -10\mu_{30}\mu_{21}\mu_{13}\mu_{32}\mu_{14} - 12\mu_{30}\mu_{21}\mu_{13}\mu_{23}^2 + 2\mu_{30}\mu_{21}\mu_{04}\mu_{41}\mu_{14} \\
& +4\mu_{30}\mu_{21}\mu_{04}\mu_{32}\mu_{23} - 4\mu_{30}\mu_{12}\mu_{40}\mu_{23}\mu_{05} - 2\mu_{30}\mu_{12}\mu_{40}\mu_{14}^2 \\
& +6\mu_{30}\mu_{12}\mu_{31}\mu_{32}\mu_{05} + 18\mu_{30}\mu_{12}\mu_{31}\mu_{23}\mu_{14} - 3\mu_{30}\mu_{12}\mu_{22}\mu_{41}\mu_{05} \\
& -18\mu_{30}\mu_{12}\mu_{22}\mu_{32}\mu_{14} - 15\mu_{30}\mu_{12}\mu_{22}\mu_{23}^2 + \mu_{30}\mu_{12}\mu_{13}\mu_{50}\mu_{05} \\
& +5\mu_{30}\mu_{12}\mu_{13}\mu_{41}\mu_{14} + 18\mu_{30}\mu_{12}\mu_{13}\mu_{32}\mu_{23} - \mu_{30}\mu_{12}\mu_{04}\mu_{50}\mu_{14} \\
& -2\mu_{30}\mu_{12}\mu_{04}\mu_{41}\mu_{23} - 3\mu_{30}\mu_{12}\mu_{04}\mu_{32}^2 + \mu_{30}\mu_{03}\mu_{40}\mu_{32}\mu_{05} \\
& +\mu_{30}\mu_{03}\mu_{40}\mu_{23}\mu_{14} - \mu_{30}\mu_{03}\mu_{31}\mu_{41}\mu_{05} - 6\mu_{30}\mu_{03}\mu_{31}\mu_{32}\mu_{14} \\
& -\mu_{30}\mu_{03}\mu_{31}\mu_{23}^2 + 6\mu_{30}\mu_{03}\mu_{22}\mu_{41}\mu_{14} + 6\mu_{30}\mu_{03}\mu_{22}\mu_{32}\mu_{23} \\
& -\mu_{30}\mu_{03}\mu_{13}\mu_{50}\mu_{14} - 6\mu_{30}\mu_{03}\mu_{13}\mu_{41}\mu_{23} - \mu_{30}\mu_{03}\mu_{13}\mu_{32}^2 \\
& +\mu_{30}\mu_{03}\mu_{04}\mu_{50}\mu_{23} + \mu_{30}\mu_{03}\mu_{04}\mu_{41}\mu_{32} - 3\mu_{21}^2\mu_{40}\mu_{23}\mu_{05} \\
& -6\mu_{21}^2\mu_{40}\mu_{14}^2 + 3\mu_{21}^2\mu_{31}\mu_{32}\mu_{05} + 33\mu_{21}^2\mu_{31}\mu_{23}\mu_{14} - 27\mu_{21}^2\mu_{22}\mu_{32}\mu_{14} \\
& -27\mu_{21}^2\mu_{22}\mu_{23}^2 + 6\mu_{21}^2\mu_{13}\mu_{41}\mu_{14} + 30\mu_{21}^2\mu_{13}\mu_{32}\mu_{23} - 6\mu_{21}^2\mu_{04}\mu_{41}\mu_{23} \\
& -3\mu_{21}^2\mu_{04}\mu_{32}^2 + 3\mu_{21}\mu_{12}\mu_{40}\mu_{32}\mu_{05} + 15\mu_{21}\mu_{12}\mu_{40}\mu_{23}\mu_{14} \\
& -3\mu_{21}\mu_{12}\mu_{31}\mu_{41}\mu_{05} - 30\mu_{21}\mu_{12}\mu_{31}\mu_{32}\mu_{14} - 39\mu_{21}\mu_{12}\mu_{31}\mu_{23}^2 \\
& +18\mu_{21}\mu_{12}\mu_{22}\mu_{41}\mu_{14} + 90\mu_{21}\mu_{12}\mu_{22}\mu_{32}\mu_{23} - 3\mu_{21}\mu_{12}\mu_{13}\mu_{50}\mu_{14} \\
& -30\mu_{21}\mu_{12}\mu_{13}\mu_{41}\mu_{23} - 39\mu_{21}\mu_{12}\mu_{13}\mu_{32}^2 + 3\mu_{21}\mu_{12}\mu_{04}\mu_{50}\mu_{23} \\
& +15\mu_{21}\mu_{12}\mu_{04}\mu_{41}\mu_{32} - \mu_{21}\mu_{03}\mu_{40}\mu_{41}\mu_{05} - 2\mu_{21}\mu_{03}\mu_{40}\mu_{32}\mu_{14} \\
& -3\mu_{21}\mu_{03}\mu_{40}\mu_{23}^2 + \mu_{21}\mu_{03}\mu_{31}\mu_{50}\mu_{05} + 5\mu_{21}\mu_{03}\mu_{31}\mu_{41}\mu_{14} \\
& +18\mu_{21}\mu_{03}\mu_{31}\mu_{32}\mu_{23} - 3\mu_{21}\mu_{03}\mu_{22}\mu_{50}\mu_{14} - 18\mu_{21}\mu_{03}\mu_{22}\mu_{41}\mu_{23} \\
& -15\mu_{21}\mu_{03}\mu_{22}\mu_{32}^2 + 6\mu_{21}\mu_{03}\mu_{13}\mu_{50}\mu_{23} + 18\mu_{21}\mu_{03}\mu_{13}\mu_{41}\mu_{32} \\
& -4\mu_{21}\mu_{03}\mu_{04}\mu_{50}\mu_{32} - 2\mu_{21}\mu_{03}\mu_{04}\mu_{41}^2 - 6\mu_{12}^2\mu_{40}\mu_{32}\mu_{14} - 3\mu_{12}^2\mu_{40}\mu_{23}^2 \\
& +6\mu_{12}^2\mu_{31}\mu_{41}\mu_{14} + 30\mu_{12}^2\mu_{31}\mu_{32}\mu_{23} - 27\mu_{12}^2\mu_{22}\mu_{41}\mu_{23} - 27\mu_{12}^2\mu_{22}\mu_{32}^2 \\
& +3\mu_{12}^2\mu_{13}\mu_{50}\mu_{23} + 33\mu_{12}^2\mu_{13}\mu_{41}\mu_{32} - 3\mu_{12}^2\mu_{04}\mu_{50}\mu_{32} - 6\mu_{12}^2\mu_{04}\mu_{41}^2 \\
& +2\mu_{12}\mu_{03}\mu_{40}\mu_{41}\mu_{14} + 4\mu_{12}\mu_{03}\mu_{40}\mu_{32}\mu_{23} - 2\mu_{12}\mu_{03}\mu_{31}\mu_{50}\mu_{14} \\
& -10\mu_{12}\mu_{03}\mu_{31}\mu_{41}\mu_{23} - 12\mu_{12}\mu_{03}\mu_{31}\mu_{32}^2 + 6\mu_{12}\mu_{03}\mu_{22}\mu_{50}\mu_{23} \\
& +30\mu_{12}\mu_{03}\mu_{22}\mu_{41}\mu_{32} - 10\mu_{12}\mu_{03}\mu_{13}\mu_{50}\mu_{32} - 14\mu_{12}\mu_{03}\mu_{13}\mu_{41}^2 \\
& +6\mu_{12}\mu_{03}\mu_{04}\mu_{50}\mu_{41} - \mu_{03}^2\mu_{40}\mu_{41}\mu_{23} + \mu_{03}^2\mu_{31}\mu_{50}\mu_{23} \\
& +3\mu_{03}^2\mu_{31}\mu_{41}\mu_{32} - 3\mu_{03}^2\mu_{22}\mu_{50}\mu_{32} - 3\mu_{03}^2\mu_{22}\mu_{41}^2 + 4\mu_{03}^2\mu_{13}\mu_{50}\mu_{41} \\
& -\mu_{03}^2\mu_{04}\mu_{50}^2)/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 0,2,1,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| 2 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 |



**Simultaneous invariants of the orders 2, 3, 4 and 5**

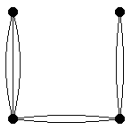
$$
\begin{aligned}
I_{82} \;=\; & (-\mu_{20}\mu_{30}\mu_{22}\mu_{05} + 2\mu_{20}\mu_{30}\mu_{13}\mu_{14} - \mu_{20}\mu_{30}\mu_{04}\mu_{23} + 3\mu_{20}\mu_{21}\mu_{22}\mu_{14} \\
& -6\mu_{20}\mu_{21}\mu_{13}\mu_{23} + 3\mu_{20}\mu_{21}\mu_{04}\mu_{32} - 3\mu_{20}\mu_{12}\mu_{22}\mu_{23} + 6\mu_{20}\mu_{12}\mu_{13}\mu_{32} \\
& -3\mu_{20}\mu_{12}\mu_{04}\mu_{41} + \mu_{20}\mu_{03}\mu_{22}\mu_{32} - 2\mu_{20}\mu_{03}\mu_{13}\mu_{41} + \mu_{20}\mu_{03}\mu_{04}\mu_{50} \\
& +2\mu_{11}\mu_{30}\mu_{31}\mu_{05} - 4\mu_{11}\mu_{30}\mu_{22}\mu_{14} + 2\mu_{11}\mu_{30}\mu_{13}\mu_{23} - 6\mu_{11}\mu_{21}\mu_{31}\mu_{14} \\
& +12\mu_{11}\mu_{21}\mu_{22}\mu_{23} - 6\mu_{11}\mu_{21}\mu_{13}\mu_{32} + 6\mu_{11}\mu_{12}\mu_{31}\mu_{23} - 12\mu_{11}\mu_{12}\mu_{22}\mu_{32} \\
& +6\mu_{11}\mu_{12}\mu_{13}\mu_{41} - 2\mu_{11}\mu_{03}\mu_{31}\mu_{32} + 4\mu_{11}\mu_{03}\mu_{22}\mu_{41} - 2\mu_{11}\mu_{03}\mu_{13}\mu_{50} \\
& -\mu_{02}\mu_{30}\mu_{40}\mu_{05} + 2\mu_{02}\mu_{30}\mu_{31}\mu_{14} - \mu_{02}\mu_{30}\mu_{22}\mu_{23} + 3\mu_{02}\mu_{21}\mu_{40}\mu_{14} \\
& -6\mu_{02}\mu_{21}\mu_{31}\mu_{23} + 3\mu_{02}\mu_{21}\mu_{22}\mu_{32} - 3\mu_{02}\mu_{12}\mu_{40}\mu_{23} + 6\mu_{02}\mu_{12}\mu_{31}\mu_{32} \\
& -3\mu_{02}\mu_{12}\mu_{22}\mu_{41} + \mu_{02}\mu_{03}\mu_{40}\mu_{32} - 2\mu_{02}\mu_{03}\mu_{31}\mu_{41} + \mu_{02}\mu_{03}\mu_{22}\mu_{50})/\mu_{00}^{11}
\end{aligned}
$$

weight=7

structure: 1,1,1,1

Generating graph:

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 4 | 4 |



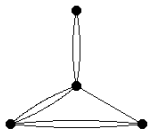
$$
\begin{aligned}
I_{83} \;=\; & (-\mu_{20}\mu_{30}\mu_{22}\mu_{05} + 2\mu_{20}\mu_{30}\mu_{13}\mu_{14} - \mu_{20}\mu_{30}\mu_{04}\mu_{23} + 2\mu_{20}\mu_{21}\mu_{31}\mu_{05} \\
& -3\mu_{20}\mu_{21}\mu_{22}\mu_{14} + \mu_{20}\mu_{21}\mu_{04}\mu_{32} - \mu_{20}\mu_{12}\mu_{40}\mu_{05} + 3\mu_{20}\mu_{12}\mu_{22}\mu_{23} \\
& -2\mu_{20}\mu_{12}\mu_{13}\mu_{32} + \mu_{20}\mu_{03}\mu_{40}\mu_{14} - 2\mu_{20}\mu_{03}\mu_{31}\mu_{23} + \mu_{20}\mu_{03}\mu_{22}\mu_{32} \\
& +2\mu_{11}\mu_{30}\mu_{22}\mu_{14} - 4\mu_{11}\mu_{30}\mu_{13}\mu_{23} + 2\mu_{11}\mu_{30}\mu_{04}\mu_{32} - 4\mu_{11}\mu_{21}\mu_{31}\mu_{14} \\
& +6\mu_{11}\mu_{21}\mu_{22}\mu_{23} - 2\mu_{11}\mu_{21}\mu_{04}\mu_{41} + 2\mu_{11}\mu_{12}\mu_{40}\mu_{14} - 6\mu_{11}\mu_{12}\mu_{22}\mu_{32} \\
& +4\mu_{11}\mu_{12}\mu_{13}\mu_{41} - 2\mu_{11}\mu_{03}\mu_{40}\mu_{23} + 4\mu_{11}\mu_{03}\mu_{31}\mu_{32} - 2\mu_{11}\mu_{03}\mu_{22}\mu_{41} \\
& -\mu_{02}\mu_{30}\mu_{22}\mu_{23} + 2\mu_{02}\mu_{30}\mu_{13}\mu_{32} - \mu_{02}\mu_{30}\mu_{04}\mu_{41} + 2\mu_{02}\mu_{21}\mu_{31}\mu_{23} \\
& -3\mu_{02}\mu_{21}\mu_{22}\mu_{32} + \mu_{02}\mu_{21}\mu_{04}\mu_{50} - \mu_{02}\mu_{12}\mu_{40}\mu_{23} + 3\mu_{02}\mu_{12}\mu_{22}\mu_{41} \\
& -2\mu_{02}\mu_{12}\mu_{13}\mu_{50} + \mu_{02}\mu_{03}\mu_{40}\mu_{32} - 2\mu_{02}\mu_{03}\mu_{31}\mu_{41} + \mu_{02}\mu_{03}\mu_{22}\mu_{50})/\mu_{00}^{11}
\end{aligned}
$$

weight=7

structure: 1,1,1,1

Generating graph:

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 3 | 3 | 4 | 4 | 4 |



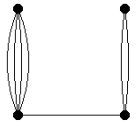
$$
\begin{aligned}
I_{84} \;=\; & (-\mu_{20}\mu_{12}\mu_{40}\mu_{05} + 4\mu_{20}\mu_{12}\mu_{31}\mu_{14} - 6\mu_{20}\mu_{12}\mu_{22}\mu_{23} + 4\mu_{20}\mu_{12}\mu_{13}\mu_{32} \\
& -\mu_{20}\mu_{12}\mu_{04}\mu_{41} + \mu_{20}\mu_{03}\mu_{40}\mu_{14} - 4\mu_{20}\mu_{03}\mu_{31}\mu_{23} + 6\mu_{20}\mu_{03}\mu_{22}\mu_{32} \\
& -4\mu_{20}\mu_{03}\mu_{13}\mu_{41} + \mu_{20}\mu_{03}\mu_{04}\mu_{50} + 2\mu_{11}\mu_{21}\mu_{40}\mu_{05} - 8\mu_{11}\mu_{21}\mu_{31}\mu_{14} \\
& +12\mu_{11}\mu_{21}\mu_{22}\mu_{23} - 8\mu_{11}\mu_{21}\mu_{13}\mu_{32} + 2\mu_{11}\mu_{21}\mu_{04}\mu_{41} - 2\mu_{11}\mu_{12}\mu_{40}\mu_{14} \\
& +8\mu_{11}\mu_{12}\mu_{31}\mu_{23} - 12\mu_{11}\mu_{12}\mu_{22}\mu_{32} + 8\mu_{11}\mu_{12}\mu_{13}\mu_{41} - 2\mu_{11}\mu_{12}\mu_{04}\mu_{50} \\
& -\mu_{02}\mu_{30}\mu_{40}\mu_{05} + 4\mu_{02}\mu_{30}\mu_{31}\mu_{14} - 6\mu_{02}\mu_{30}\mu_{22}\mu_{23} + 4\mu_{02}\mu_{30}\mu_{13}\mu_{32} \\
& -\mu_{02}\mu_{30}\mu_{04}\mu_{41} + \mu_{02}\mu_{21}\mu_{40}\mu_{14} - 4\mu_{02}\mu_{21}\mu_{31}\mu_{23} + 6\mu_{02}\mu_{21}\mu_{22}\mu_{32} \\
& -4\mu_{02}\mu_{21}\mu_{13}\mu_{41} + \mu_{02}\mu_{21}\mu_{04}\mu_{50})/\mu_{00}^{11}
\end{aligned}
$$

weight=7

structure: 1,1,1,1

Generating graph:

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 3 | 3 | 3 | 3 | 4 | 4 |



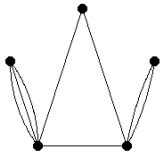
$$
\begin{aligned}
I_{85} \;=\; & (\mu_{20}^2\mu_{30}\mu_{13}\mu_{05} - \mu_{20}^2\mu_{30}\mu_{04}\mu_{14} - 3\mu_{20}^2\mu_{21}\mu_{13}\mu_{14} + 3\mu_{20}^2\mu_{21}\mu_{04}\mu_{23} \\
& +3\mu_{20}^2\mu_{12}\mu_{13}\mu_{23} - 3\mu_{20}^2\mu_{12}\mu_{04}\mu_{32} - \mu_{20}^2\mu_{03}\mu_{13}\mu_{32} + \mu_{20}^2\mu_{03}\mu_{04}\mu_{41} \\
& -3\mu_{20}\mu_{11}\mu_{30}\mu_{22}\mu_{05} + 2\mu_{20}\mu_{11}\mu_{30}\mu_{13}\mu_{14} + \mu_{20}\mu_{11}\mu_{30}\mu_{04}\mu_{23} \\
& +9\mu_{20}\mu_{11}\mu_{21}\mu_{22}\mu_{14} - 6\mu_{20}\mu_{11}\mu_{21}\mu_{13}\mu_{23} - 3\mu_{20}\mu_{11}\mu_{21}\mu_{04}\mu_{32} \\
& -9\mu_{20}\mu_{11}\mu_{12}\mu_{22}\mu_{23} + 6\mu_{20}\mu_{11}\mu_{12}\mu_{13}\mu_{32} + 3\mu_{20}\mu_{11}\mu_{12}\mu_{04}\mu_{41} \\
& +3\mu_{20}\mu_{11}\mu_{03}\mu_{22}\mu_{32} - 2\mu_{20}\mu_{11}\mu_{03}\mu_{13}\mu_{41} - \mu_{20}\mu_{11}\mu_{03}\mu_{04}\mu_{50} \\
& +\mu_{20}\mu_{02}\mu_{30}\mu_{31}\mu_{05} - \mu_{20}\mu_{02}\mu_{30}\mu_{13}\mu_{23} - 3\mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{14} \\
& +3\mu_{20}\mu_{02}\mu_{21}\mu_{13}\mu_{32} + 3\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{23} - 3\mu_{20}\mu_{02}\mu_{12}\mu_{13}\mu_{41} \\
& -\mu_{20}\mu_{02}\mu_{03}\mu_{31}\mu_{32} + \mu_{20}\mu_{02}\mu_{03}\mu_{13}\mu_{50} + 2\mu_{11}^2\mu_{30}\mu_{31}\mu_{05} \\
& -2\mu_{11}^2\mu_{30}\mu_{13}\mu_{23} - 6\mu_{11}^2\mu_{21}\mu_{31}\mu_{14} + 6\mu_{11}^2\mu_{21}\mu_{13}\mu_{32} + 6\mu_{11}^2\mu_{12}\mu_{31}\mu_{23} \\
& -6\mu_{11}^2\mu_{12}\mu_{13}\mu_{41} - 2\mu_{11}^2\mu_{03}\mu_{31}\mu_{32} + 2\mu_{11}^2\mu_{03}\mu_{13}\mu_{50} \\
& -\mu_{11}\mu_{02}\mu_{30}\mu_{40}\mu_{05} - 2\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{14} + 3\mu_{11}\mu_{02}\mu_{30}\mu_{22}\mu_{23} \\
& +3\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{14} + 6\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{23} - 9\mu_{11}\mu_{02}\mu_{21}\mu_{22}\mu_{32} \\
& -3\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{23} - 6\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{32} + 9\mu_{11}\mu_{02}\mu_{12}\mu_{22}\mu_{41} \\
& +\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{32} + 2\mu_{11}\mu_{02}\mu_{03}\mu_{31}\mu_{41} - 3\mu_{11}\mu_{02}\mu_{03}\mu_{22}\mu_{50} \\
& +\mu_{02}^2\mu_{30}\mu_{40}\mu_{14} - \mu_{02}^2\mu_{30}\mu_{31}\mu_{23} - 3\mu_{02}^2\mu_{21}\mu_{40}\mu_{23} + 3\mu_{02}^2\mu_{21}\mu_{31}\mu_{32} \\
& +3\mu_{02}^2\mu_{12}\mu_{40}\mu_{32} - 3\mu_{02}^2\mu_{12}\mu_{31}\mu_{41} - \mu_{02}^2\mu_{03}\mu_{40}\mu_{41} + \mu_{02}^2\mu_{03}\mu_{31}\mu_{50})/\mu_{00}^{13}
\end{aligned}
$$

weight=8

structure: 2,1,1,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 |



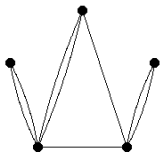
$$
\begin{aligned}
I_{86} \;=\; & (\mu_{20}^2\mu_{30}\mu_{13}\mu_{05} - \mu_{20}^2\mu_{30}\mu_{04}\mu_{14} - \mu_{20}^2\mu_{21}\mu_{22}\mu_{05} - \mu_{20}^2\mu_{21}\mu_{13}\mu_{14} \\
& +2\mu_{20}^2\mu_{21}\mu_{04}\mu_{23} + 2\mu_{20}^2\mu_{12}\mu_{22}\mu_{14} - \mu_{20}^2\mu_{12}\mu_{13}\mu_{23} - \mu_{20}^2\mu_{12}\mu_{04}\mu_{32} \\
& -\mu_{20}^2\mu_{03}\mu_{22}\mu_{23} + \mu_{20}^2\mu_{03}\mu_{13}\mu_{32} - 2\mu_{20}\mu_{11}\mu_{30}\mu_{22}\mu_{05} \\
& +2\mu_{20}\mu_{11}\mu_{30}\mu_{04}\mu_{23} + 2\mu_{20}\mu_{11}\mu_{21}\mu_{31}\mu_{05} + 4\mu_{20}\mu_{11}\mu_{21}\mu_{22}\mu_{14} \\
& -2\mu_{20}\mu_{11}\mu_{21}\mu_{13}\mu_{23} - 4\mu_{20}\mu_{11}\mu_{21}\mu_{04}\mu_{32} - 4\mu_{20}\mu_{11}\mu_{12}\mu_{31}\mu_{14} \\
& -2\mu_{20}\mu_{11}\mu_{12}\mu_{22}\mu_{23} + 4\mu_{20}\mu_{11}\mu_{12}\mu_{13}\mu_{32} + 2\mu_{20}\mu_{11}\mu_{12}\mu_{04}\mu_{41} \\
& +2\mu_{20}\mu_{11}\mu_{03}\mu_{31}\mu_{23} - 2\mu_{20}\mu_{11}\mu_{03}\mu_{13}\mu_{41} + \mu_{20}\mu_{02}\mu_{30}\mu_{31}\mu_{05} \\
& -\mu_{20}\mu_{02}\mu_{30}\mu_{22}\mu_{14} + \mu_{20}\mu_{02}\mu_{30}\mu_{13}\mu_{23} - \mu_{20}\mu_{02}\mu_{30}\mu_{04}\mu_{32} \\
& -\mu_{20}\mu_{02}\mu_{21}\mu_{40}\mu_{05} - \mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{14} + \mu_{20}\mu_{02}\mu_{21}\mu_{22}\mu_{23} \\
& -\mu_{20}\mu_{02}\mu_{21}\mu_{13}\mu_{32} + 2\mu_{20}\mu_{02}\mu_{21}\mu_{04}\mu_{41} + 2\mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{14} \\
& -\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{23} + \mu_{20}\mu_{02}\mu_{12}\mu_{22}\mu_{32} - \mu_{20}\mu_{02}\mu_{12}\mu_{13}\mu_{41} \\
& -\mu_{20}\mu_{02}\mu_{12}\mu_{04}\mu_{50} - \mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{23} + \mu_{20}\mu_{02}\mu_{03}\mu_{31}\mu_{32} \\
& -\mu_{20}\mu_{02}\mu_{03}\mu_{22}\mu_{41} + \mu_{20}\mu_{02}\mu_{03}\mu_{13}\mu_{50} + 4\mu_{11}^2\mu_{30}\mu_{22}\mu_{14} \\
& -4\mu_{11}^2\mu_{30}\mu_{13}\mu_{23} - 4\mu_{11}^2\mu_{21}\mu_{31}\mu_{14} - 4\mu_{11}^2\mu_{21}\mu_{22}\mu_{23} + 8\mu_{11}^2\mu_{21}\mu_{13}\mu_{32} \\
& +8\mu_{11}^2\mu_{12}\mu_{31}\mu_{23} - 4\mu_{11}^2\mu_{12}\mu_{22}\mu_{32} - 4\mu_{11}^2\mu_{12}\mu_{13}\mu_{41} - 4\mu_{11}^2\mu_{03}\mu_{31}\mu_{32} \\
& +4\mu_{11}^2\mu_{03}\mu_{22}\mu_{41} - 2\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{14} + 2\mu_{11}\mu_{02}\mu_{30}\mu_{13}\mu_{32} \\
& +2\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{14} + 4\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{23} - 2\mu_{11}\mu_{02}\mu_{21}\mu_{22}\mu_{32} \\
& -4\mu_{11}\mu_{02}\mu_{21}\mu_{13}\mu_{41} - 4\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{23} - 2\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{32} \\
& +4\mu_{11}\mu_{02}\mu_{12}\mu_{22}\mu_{41} + 2\mu_{11}\mu_{02}\mu_{12}\mu_{13}\mu_{50} + 2\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{32} \\
& -2\mu_{11}\mu_{02}\mu_{03}\mu_{22}\mu_{50} + \mu_{02}^2\mu_{30}\mu_{31}\mu_{23} - \mu_{02}^2\mu_{30}\mu_{22}\mu_{32} \\
& -\mu_{02}^2\mu_{21}\mu_{40}\mu_{23} - \mu_{02}^2\mu_{21}\mu_{31}\mu_{32} + 2\mu_{02}^2\mu_{21}\mu_{22}\mu_{41} + 2\mu_{02}^2\mu_{12}\mu_{40}\mu_{32} \\
& -\mu_{02}^2\mu_{12}\mu_{31}\mu_{41} - \mu_{02}^2\mu_{12}\mu_{22}\mu_{50} - \mu_{02}^2\mu_{03}\mu_{40}\mu_{41} + \mu_{02}^2\mu_{03}\mu_{31}\mu_{50})/\mu_{00}^{13}
\end{aligned}
$$

weight=8

structure: 2,1,1,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |



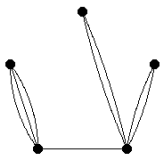
$$
\begin{aligned}
I_{87} \;=\; & (\mu_{20}^2\mu_{30}\mu_{13}\mu_{05} - \mu_{20}^2\mu_{30}\mu_{04}\mu_{14} - 3\mu_{20}^2\mu_{21}\mu_{22}\mu_{05} + 3\mu_{20}^2\mu_{21}\mu_{13}\mu_{14} \\
& +3\mu_{20}^2\mu_{12}\mu_{31}\mu_{05} - 3\mu_{20}^2\mu_{12}\mu_{22}\mu_{14} - \mu_{20}^2\mu_{03}\mu_{40}\mu_{05} + \mu_{20}^2\mu_{03}\mu_{31}\mu_{14} \\
& -4\mu_{20}\mu_{11}\mu_{30}\mu_{13}\mu_{14} + 4\mu_{20}\mu_{11}\mu_{30}\mu_{04}\mu_{23} + 12\mu_{20}\mu_{11}\mu_{21}\mu_{22}\mu_{14} \\
& -12\mu_{20}\mu_{11}\mu_{21}\mu_{13}\mu_{23} - 12\mu_{20}\mu_{11}\mu_{12}\mu_{31}\mu_{14} + 12\mu_{20}\mu_{11}\mu_{12}\mu_{22}\mu_{23} \\
& +4\mu_{20}\mu_{11}\mu_{03}\mu_{40}\mu_{14} - 4\mu_{20}\mu_{11}\mu_{03}\mu_{31}\mu_{23} + 2\mu_{20}\mu_{02}\mu_{30}\mu_{13}\mu_{23} \\
& -2\mu_{20}\mu_{02}\mu_{30}\mu_{04}\mu_{32} - 6\mu_{20}\mu_{02}\mu_{21}\mu_{22}\mu_{23} + 6\mu_{20}\mu_{02}\mu_{21}\mu_{13}\mu_{32} \\
& +6\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{23} - 6\mu_{20}\mu_{02}\mu_{12}\mu_{22}\mu_{32} - 2\mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{23} \\
& +2\mu_{20}\mu_{02}\mu_{03}\mu_{31}\mu_{32} + 4\mu_{11}^2\mu_{30}\mu_{13}\mu_{23} - 4\mu_{11}^2\mu_{30}\mu_{04}\mu_{32} \\
& -12\mu_{11}^2\mu_{21}\mu_{22}\mu_{23} + 12\mu_{11}^2\mu_{21}\mu_{13}\mu_{32} + 12\mu_{11}^2\mu_{12}\mu_{31}\mu_{23} - 12\mu_{11}^2\mu_{12}\mu_{22}\mu_{32} \\
& -4\mu_{11}^2\mu_{03}\mu_{40}\mu_{23} + 4\mu_{11}^2\mu_{03}\mu_{31}\mu_{32} - 4\mu_{11}\mu_{02}\mu_{30}\mu_{13}\mu_{32} \\
& +4\mu_{11}\mu_{02}\mu_{30}\mu_{04}\mu_{41} + 12\mu_{11}\mu_{02}\mu_{21}\mu_{22}\mu_{32} - 12\mu_{11}\mu_{02}\mu_{21}\mu_{13}\mu_{41} \\
& -12\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{32} + 12\mu_{11}\mu_{02}\mu_{12}\mu_{22}\mu_{41} + 4\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{32} \\
& -4\mu_{11}\mu_{02}\mu_{03}\mu_{31}\mu_{41} + \mu_{02}^2\mu_{30}\mu_{13}\mu_{41} - \mu_{02}^2\mu_{30}\mu_{04}\mu_{50} \\
& -3\mu_{02}^2\mu_{21}\mu_{22}\mu_{41} + 3\mu_{02}^2\mu_{21}\mu_{13}\mu_{50} + 3\mu_{02}^2\mu_{12}\mu_{31}\mu_{41} - 3\mu_{02}^2\mu_{12}\mu_{22}\mu_{50} \\
& -\mu_{02}^2\mu_{03}\mu_{40}\mu_{41} + \mu_{02}^2\mu_{03}\mu_{31}\mu_{50})/\mu_{00}^{13}
\end{aligned}
$$

weight=8

structure: 2,1,1,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



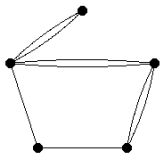
$$
\begin{aligned}
I_{88} \;=\; & (-\mu_{20}^2\mu_{21}\mu_{22}\mu_{05} + 2\mu_{20}^2\mu_{21}\mu_{13}\mu_{14} - \mu_{20}^2\mu_{21}\mu_{04}\mu_{23} + 2\mu_{20}^2\mu_{12}\mu_{31}\mu_{05} \\
& -4\mu_{20}^2\mu_{12}\mu_{22}\mu_{14} + 2\mu_{20}^2\mu_{12}\mu_{13}\mu_{23} - \mu_{20}^2\mu_{03}\mu_{40}\mu_{05} + 2\mu_{20}^2\mu_{03}\mu_{31}\mu_{14} \\
& -\mu_{20}^2\mu_{03}\mu_{22}\mu_{23} + \mu_{20}\mu_{11}\mu_{30}\mu_{22}\mu_{05} - 2\mu_{20}\mu_{11}\mu_{30}\mu_{13}\mu_{14} \\
& +\mu_{20}\mu_{11}\mu_{30}\mu_{04}\mu_{23} - 2\mu_{20}\mu_{11}\mu_{21}\mu_{31}\mu_{05} + 7\mu_{20}\mu_{11}\mu_{21}\mu_{22}\mu_{14} \\
& -8\mu_{20}\mu_{11}\mu_{21}\mu_{13}\mu_{23} + 3\mu_{20}\mu_{11}\mu_{21}\mu_{04}\mu_{32} + \mu_{20}\mu_{11}\mu_{12}\mu_{40}\mu_{05} \\
& -8\mu_{20}\mu_{11}\mu_{12}\mu_{31}\mu_{14} + 13\mu_{20}\mu_{11}\mu_{12}\mu_{22}\mu_{23} - 6\mu_{20}\mu_{11}\mu_{12}\mu_{13}\mu_{32} \\
& +3\mu_{20}\mu_{11}\mu_{03}\mu_{40}\mu_{14} - 6\mu_{20}\mu_{11}\mu_{03}\mu_{31}\mu_{23} + 3\mu_{20}\mu_{11}\mu_{03}\mu_{22}\mu_{32} \\
& -\mu_{20}\mu_{02}\mu_{30}\mu_{22}\mu_{14} + 2\mu_{20}\mu_{02}\mu_{30}\mu_{13}\mu_{23} - \mu_{20}\mu_{02}\mu_{30}\mu_{04}\mu_{32} \\
& +2\mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{14} - 5\mu_{20}\mu_{02}\mu_{21}\mu_{22}\mu_{23} + 4\mu_{20}\mu_{02}\mu_{21}\mu_{13}\mu_{32} \\
& -\mu_{20}\mu_{02}\mu_{21}\mu_{04}\mu_{41} - \mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{14} + 4\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{23} \\
& -5\mu_{20}\mu_{02}\mu_{12}\mu_{22}\mu_{32} + 2\mu_{20}\mu_{02}\mu_{12}\mu_{13}\mu_{41} - \mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{23} \\
& +2\mu_{20}\mu_{02}\mu_{03}\mu_{31}\mu_{32} - \mu_{20}\mu_{02}\mu_{03}\mu_{22}\mu_{41} - 2\mu_{11}^2\mu_{30}\mu_{22}\mu_{14} \\
& +4\mu_{11}^2\mu_{30}\mu_{13}\mu_{23} - 2\mu_{11}^2\mu_{30}\mu_{04}\mu_{32} + 4\mu_{11}^2\mu_{21}\mu_{31}\mu_{14} - 10\mu_{11}^2\mu_{21}\mu_{22}\mu_{23} \\
& +8\mu_{11}^2\mu_{21}\mu_{13}\mu_{32} - 2\mu_{11}^2\mu_{21}\mu_{04}\mu_{41} - 2\mu_{11}^2\mu_{12}\mu_{40}\mu_{14} + 8\mu_{11}^2\mu_{12}\mu_{31}\mu_{23} \\
& -10\mu_{11}^2\mu_{12}\mu_{22}\mu_{32} + 4\mu_{11}^2\mu_{12}\mu_{13}\mu_{41} - 2\mu_{11}^2\mu_{03}\mu_{40}\mu_{23} + 4\mu_{11}^2\mu_{03}\mu_{31}\mu_{32} \\
& -2\mu_{11}^2\mu_{03}\mu_{22}\mu_{41} + 3\mu_{11}\mu_{02}\mu_{30}\mu_{22}\mu_{23} - 6\mu_{11}\mu_{02}\mu_{30}\mu_{13}\mu_{32} \\
& +3\mu_{11}\mu_{02}\mu_{30}\mu_{04}\mu_{41} - 6\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{23} + 13\mu_{11}\mu_{02}\mu_{21}\mu_{22}\mu_{32} \\
& -8\mu_{11}\mu_{02}\mu_{21}\mu_{13}\mu_{41} + \mu_{11}\mu_{02}\mu_{21}\mu_{04}\mu_{50} + 3\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{23} \\
& -8\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{32} + 7\mu_{11}\mu_{02}\mu_{12}\mu_{22}\mu_{41} - 2\mu_{11}\mu_{02}\mu_{12}\mu_{13}\mu_{50} \\
& +\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{32} - 2\mu_{11}\mu_{02}\mu_{03}\mu_{31}\mu_{41} + \mu_{11}\mu_{02}\mu_{03}\mu_{22}\mu_{50} \\
& -\mu_{02}^2\mu_{30}\mu_{22}\mu_{32} + 2\mu_{02}^2\mu_{30}\mu_{13}\mu_{41} - \mu_{02}^2\mu_{30}\mu_{04}\mu_{50} + 2\mu_{02}^2\mu_{21}\mu_{31}\mu_{32} \\
& -4\mu_{02}^2\mu_{21}\mu_{22}\mu_{41} + 2\mu_{02}^2\mu_{21}\mu_{13}\mu_{50} - \mu_{02}^2\mu_{12}\mu_{40}\mu_{32} + 2\mu_{02}^2\mu_{12}\mu_{31}\mu_{41} \\
& -\mu_{02}^2\mu_{12}\mu_{22}\mu_{50})/\mu_{00}^{13}
\end{aligned}
$$

weight=8

structure: 2,1,1,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 2 | 3 | 4 | 4 | 5 | 5 | 5 |



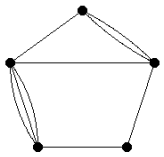
$$
\begin{aligned}
I_{89} \;=\; & (-\mu_{20}\mu_{30}\mu_{31}\mu_{13}\mu_{05} + \mu_{20}\mu_{30}\mu_{31}\mu_{04}\mu_{14} + 3\mu_{20}\mu_{30}\mu_{22}\mu_{13}\mu_{14} \\
& -3\mu_{20}\mu_{30}\mu_{22}\mu_{04}\mu_{23} - 3\mu_{20}\mu_{30}\mu_{13}^2\mu_{23} + 4\mu_{20}\mu_{30}\mu_{13}\mu_{04}\mu_{32} \\
& -\mu_{20}\mu_{30}\mu_{04}^2\mu_{41} + 2\mu_{20}\mu_{21}\mu_{31}\mu_{22}\mu_{05} - \mu_{20}\mu_{21}\mu_{31}\mu_{13}\mu_{14} \\
& -\mu_{20}\mu_{21}\mu_{31}\mu_{04}\mu_{23} - 6\mu_{20}\mu_{21}\mu_{22}^2\mu_{14} + 9\mu_{20}\mu_{21}\mu_{22}\mu_{13}\mu_{23} \\
& +\mu_{20}\mu_{21}\mu_{22}\mu_{04}\mu_{32} - 3\mu_{20}\mu_{21}\mu_{13}^2\mu_{32} - 2\mu_{20}\mu_{21}\mu_{13}\mu_{04}\mu_{41} \\
& +\mu_{20}\mu_{21}\mu_{04}^2\mu_{50} - \mu_{20}\mu_{12}\mu_{31}^2\mu_{05} + 2\mu_{20}\mu_{12}\mu_{31}\mu_{22}\mu_{14} \\
& -\mu_{20}\mu_{12}\mu_{31}\mu_{13}\mu_{23} + \mu_{20}\mu_{12}\mu_{31}\mu_{04}\mu_{32} + 3\mu_{20}\mu_{12}\mu_{22}^2\mu_{23} \\
& -9\mu_{20}\mu_{12}\mu_{22}\mu_{13}\mu_{32} + \mu_{20}\mu_{12}\mu_{22}\mu_{04}\mu_{41} + 6\mu_{20}\mu_{12}\mu_{13}^2\mu_{41} \\
& -2\mu_{20}\mu_{12}\mu_{13}\mu_{04}\mu_{50} + \mu_{20}\mu_{03}\mu_{31}^2\mu_{14} - 4\mu_{20}\mu_{03}\mu_{31}\mu_{22}\mu_{23} \\
& +3\mu_{20}\mu_{03}\mu_{31}\mu_{13}\mu_{32} - \mu_{20}\mu_{03}\mu_{31}\mu_{04}\mu_{41} + 3\mu_{20}\mu_{03}\mu_{22}^2\mu_{32} \\
& -3\mu_{20}\mu_{03}\mu_{22}\mu_{13}\mu_{41} + \mu_{20}\mu_{03}\mu_{22}\mu_{04}\mu_{50} + \mu_{11}\mu_{30}\mu_{40}\mu_{13}\mu_{05} \\
& -\mu_{11}\mu_{30}\mu_{40}\mu_{04}\mu_{14} + \mu_{11}\mu_{30}\mu_{31}\mu_{22}\mu_{05} - 4\mu_{11}\mu_{30}\mu_{31}\mu_{13}\mu_{14} \\
& +3\mu_{11}\mu_{30}\mu_{31}\mu_{04}\mu_{23} - 3\mu_{11}\mu_{30}\mu_{22}^2\mu_{14} + 9\mu_{11}\mu_{30}\mu_{22}\mu_{13}\mu_{23} \\
& -4\mu_{11}\mu_{30}\mu_{22}\mu_{04}\mu_{32} - 4\mu_{11}\mu_{30}\mu_{13}^2\mu_{32} + 2\mu_{11}\mu_{30}\mu_{13}\mu_{04}\mu_{41} \\
& -2\mu_{11}\mu_{21}\mu_{40}\mu_{22}\mu_{05} + \mu_{11}\mu_{21}\mu_{40}\mu_{13}\mu_{14} + \mu_{11}\mu_{21}\mu_{40}\mu_{04}\mu_{23} \\
& -2\mu_{11}\mu_{21}\mu_{31}^2\mu_{05} + 13\mu_{11}\mu_{21}\mu_{31}\mu_{22}\mu_{14} - 8\mu_{11}\mu_{21}\mu_{31}\mu_{13}\mu_{23} \\
& -\mu_{11}\mu_{21}\mu_{31}\mu_{04}\mu_{32} - 9\mu_{11}\mu_{21}\mu_{22}^2\mu_{23} + 5\mu_{11}\mu_{21}\mu_{22}\mu_{13}\mu_{32} \\
& +2\mu_{11}\mu_{21}\mu_{22}\mu_{04}\mu_{41} + 2\mu_{11}\mu_{21}\mu_{13}^2\mu_{41} - 2\mu_{11}\mu_{21}\mu_{13}\mu_{04}\mu_{50} \\
& +2\mu_{11}\mu_{12}\mu_{40}\mu_{31}\mu_{05} - 2\mu_{11}\mu_{12}\mu_{40}\mu_{22}\mu_{14} + \mu_{11}\mu_{12}\mu_{40}\mu_{13}\mu_{23} \\
& -\mu_{11}\mu_{12}\mu_{40}\mu_{04}\mu_{32} - 2\mu_{11}\mu_{12}\mu_{31}^2\mu_{14} - 5\mu_{11}\mu_{12}\mu_{31}\mu_{22}\mu_{23} \\
& +8\mu_{11}\mu_{12}\mu_{31}\mu_{13}\mu_{32} - \mu_{11}\mu_{12}\mu_{31}\mu_{04}\mu_{41} + 9\mu_{11}\mu_{12}\mu_{22}^2\mu_{32} \\
& -13\mu_{11}\mu_{12}\mu_{22}\mu_{13}\mu_{41} + 2\mu_{11}\mu_{12}\mu_{22}\mu_{04}\mu_{50} + 2\mu_{11}\mu_{12}\mu_{13}^2\mu_{50} \\
& -2\mu_{11}\mu_{03}\mu_{40}\mu_{31}\mu_{14} + 4\mu_{11}\mu_{03}\mu_{40}\mu_{22}\mu_{23} - 3\mu_{11}\mu_{03}\mu_{40}\mu_{13}\mu_{32} \\
& +\mu_{11}\mu_{03}\mu_{40}\mu_{04}\mu_{41} + 4\mu_{11}\mu_{03}\mu_{31}^2\mu_{23} - 9\mu_{11}\mu_{03}\mu_{31}\mu_{22}\mu_{32} \\
& +4\mu_{11}\mu_{03}\mu_{31}\mu_{13}\mu_{41} - \mu_{11}\mu_{03}\mu_{31}\mu_{04}\mu_{50} + 3\mu_{11}\mu_{03}\mu_{22}^2\mu_{41} \\
& -\mu_{11}\mu_{03}\mu_{22}\mu_{13}\mu_{50} - \mu_{02}\mu_{30}\mu_{40}\mu_{22}\mu_{05} + \mu_{02}\mu_{30}\mu_{40}\mu_{13}\mu_{14} \\
& +3\mu_{02}\mu_{30}\mu_{31}\mu_{22}\mu_{14} - 3\mu_{02}\mu_{30}\mu_{31}\mu_{13}\mu_{23} - 3\mu_{02}\mu_{30}\mu_{22}^2\mu_{23} \\
& +4\mu_{02}\mu_{30}\mu_{22}\mu_{13}\mu_{32} - \mu_{02}\mu_{30}\mu_{13}^2\mu_{41} + 2\mu_{02}\mu_{21}\mu_{40}\mu_{31}\mu_{05} \\
& -\mu_{02}\mu_{21}\mu_{40}\mu_{22}\mu_{14} - \mu_{02}\mu_{21}\mu_{40}\mu_{13}\mu_{23} - 6\mu_{02}\mu_{21}\mu_{31}^2\mu_{14} \\
& +9\mu_{02}\mu_{21}\mu_{31}\mu_{22}\mu_{23} + \mu_{02}\mu_{21}\mu_{31}\mu_{13}\mu_{32} - 3\mu_{02}\mu_{21}\mu_{22}^2\mu_{32} \\
& -2\mu_{02}\mu_{21}\mu_{22}\mu_{13}\mu_{41} + \mu_{02}\mu_{21}\mu_{13}^2\mu_{50} - \mu_{02}\mu_{12}\mu_{40}^2\mu_{05} \\
& +2\mu_{02}\mu_{12}\mu_{40}\mu_{31}\mu_{14} - \mu_{02}\mu_{12}\mu_{40}\mu_{22}\mu_{23} + \mu_{02}\mu_{12}\mu_{40}\mu_{13}\mu_{32} \\
& +3\mu_{02}\mu_{12}\mu_{31}^2\mu_{23} - 9\mu_{02}\mu_{12}\mu_{31}\mu_{22}\mu_{32} + \mu_{02}\mu_{12}\mu_{31}\mu_{13}\mu_{41} \\
& +6\mu_{02}\mu_{12}\mu_{22}^2\mu_{41} - 2\mu_{02}\mu_{12}\mu_{22}\mu_{13}\mu_{50} + \mu_{02}\mu_{03}\mu_{40}^2\mu_{14} \\
& -4\mu_{02}\mu_{03}\mu_{40}\mu_{31}\mu_{23} + 3\mu_{02}\mu_{03}\mu_{40}\mu_{22}\mu_{32} - \mu_{02}\mu_{03}\mu_{40}\mu_{13}\mu_{41} \\
& +3\mu_{02}\mu_{03}\mu_{31}^2\mu_{32} - 3\mu_{02}\mu_{03}\mu_{31}\mu_{22}\mu_{41} + \mu_{02}\mu_{03}\mu_{31}\mu_{13}\mu_{50})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 1,1,2,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |



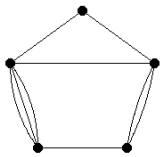
$$
\begin{aligned}
I_{90} \;=\; & (-\mu_{20}\mu_{30}\mu_{31}\mu_{13}\mu_{05} + \mu_{20}\mu_{30}\mu_{31}\mu_{04}\mu_{14} + 3\mu_{20}\mu_{30}\mu_{22}\mu_{13}\mu_{14} \\
& -3\mu_{20}\mu_{30}\mu_{22}\mu_{04}\mu_{23} - 3\mu_{20}\mu_{30}\mu_{13}^2\mu_{23} + 4\mu_{20}\mu_{30}\mu_{13}\mu_{04}\mu_{32} \\
& -\mu_{20}\mu_{30}\mu_{04}^2\mu_{41} + \mu_{20}\mu_{21}\mu_{40}\mu_{13}\mu_{05} - \mu_{20}\mu_{21}\mu_{40}\mu_{04}\mu_{14} \\
& +2\mu_{20}\mu_{21}\mu_{31}\mu_{22}\mu_{05} - 5\mu_{20}\mu_{21}\mu_{31}\mu_{13}\mu_{14} + 3\mu_{20}\mu_{21}\mu_{31}\mu_{04}\mu_{23} \\
& -6\mu_{20}\mu_{21}\mu_{22}^2\mu_{14} + 15\mu_{20}\mu_{21}\mu_{22}\mu_{13}\mu_{23} - 5\mu_{20}\mu_{21}\mu_{22}\mu_{04}\mu_{32} \\
& -7\mu_{20}\mu_{21}\mu_{13}^2\mu_{32} + 3\mu_{20}\mu_{21}\mu_{13}\mu_{04}\mu_{41} - 2\mu_{20}\mu_{12}\mu_{40}\mu_{22}\mu_{05} \\
& +2\mu_{20}\mu_{12}\mu_{40}\mu_{13}\mu_{14} - \mu_{20}\mu_{12}\mu_{31}^2\mu_{05} + 10\mu_{20}\mu_{12}\mu_{31}\mu_{22}\mu_{14} \\
& -9\mu_{20}\mu_{12}\mu_{31}\mu_{13}\mu_{23} + \mu_{20}\mu_{12}\mu_{31}\mu_{04}\mu_{32} - 9\mu_{20}\mu_{12}\mu_{22}^2\mu_{23} \\
& +11\mu_{20}\mu_{12}\mu_{22}\mu_{13}\mu_{32} - \mu_{20}\mu_{12}\mu_{22}\mu_{04}\mu_{41} - 2\mu_{20}\mu_{12}\mu_{13}^2\mu_{41} \\
& +\mu_{20}\mu_{03}\mu_{40}\mu_{31}\mu_{05} - \mu_{20}\mu_{03}\mu_{40}\mu_{22}\mu_{14} - 3\mu_{20}\mu_{03}\mu_{31}^2\mu_{14} \\
& +6\mu_{20}\mu_{03}\mu_{31}\mu_{22}\mu_{23} - \mu_{20}\mu_{03}\mu_{31}\mu_{13}\mu_{32} - 3\mu_{20}\mu_{03}\mu_{22}^2\mu_{32} \\
& +\mu_{20}\mu_{03}\mu_{22}\mu_{13}\mu_{41} + \mu_{11}\mu_{30}\mu_{31}\mu_{22}\mu_{05} - \mu_{11}\mu_{30}\mu_{31}\mu_{04}\mu_{23} \\
& -3\mu_{11}\mu_{30}\mu_{22}^2\mu_{14} + 3\mu_{11}\mu_{30}\mu_{22}\mu_{13}\mu_{23} + 2\mu_{11}\mu_{30}\mu_{22}\mu_{04}\mu_{32} \\
& -3\mu_{11}\mu_{30}\mu_{13}\mu_{04}\mu_{41} + \mu_{11}\mu_{30}\mu_{04}^2\mu_{50} - \mu_{11}\mu_{21}\mu_{40}\mu_{22}\mu_{05} \\
& +\mu_{11}\mu_{21}\mu_{40}\mu_{04}\mu_{23} - 2\mu_{11}\mu_{21}\mu_{31}^2\mu_{05} + 9\mu_{11}\mu_{21}\mu_{31}\mu_{22}\mu_{14} \\
& -4\mu_{11}\mu_{21}\mu_{31}\mu_{13}\mu_{23} - \mu_{11}\mu_{21}\mu_{31}\mu_{04}\mu_{32} - 3\mu_{11}\mu_{21}\mu_{22}^2\mu_{23} \\
& -5\mu_{11}\mu_{21}\mu_{22}\mu_{13}\mu_{32} + 3\mu_{11}\mu_{21}\mu_{22}\mu_{04}\mu_{41} + 6\mu_{11}\mu_{21}\mu_{13}^2\mu_{41} \\
& -3\mu_{11}\mu_{21}\mu_{13}\mu_{04}\mu_{50} + 3\mu_{11}\mu_{12}\mu_{40}\mu_{31}\mu_{05} - 3\mu_{11}\mu_{12}\mu_{40}\mu_{22}\mu_{14} \\
& +\mu_{11}\mu_{12}\mu_{40}\mu_{13}\mu_{23} - \mu_{11}\mu_{12}\mu_{40}\mu_{04}\mu_{32} - 6\mu_{11}\mu_{12}\mu_{31}^2\mu_{14} \\
& +5\mu_{11}\mu_{12}\mu_{31}\mu_{22}\mu_{23} + 4\mu_{11}\mu_{12}\mu_{31}\mu_{13}\mu_{32} + 3\mu_{11}\mu_{12}\mu_{22}^2\mu_{32} \\
& -9\mu_{11}\mu_{12}\mu_{22}\mu_{13}\mu_{41} + \mu_{11}\mu_{12}\mu_{22}\mu_{04}\mu_{50} + 2\mu_{11}\mu_{12}\mu_{13}^2\mu_{50} \\
& -\mu_{11}\mu_{03}\mu_{40}^2\mu_{05} + 3\mu_{11}\mu_{03}\mu_{40}\mu_{31}\mu_{14} - 2\mu_{11}\mu_{03}\mu_{40}\mu_{22}\mu_{23} \\
& +\mu_{11}\mu_{03}\mu_{40}\mu_{13}\mu_{32} - 3\mu_{11}\mu_{03}\mu_{31}\mu_{22}\mu_{32} + 3\mu_{11}\mu_{03}\mu_{22}^2\mu_{41} \\
& -\mu_{11}\mu_{03}\mu_{22}\mu_{13}\mu_{50} - \mu_{02}\mu_{30}\mu_{31}\mu_{22}\mu_{14} + \mu_{02}\mu_{30}\mu_{31}\mu_{13}\mu_{23} \\
& +3\mu_{02}\mu_{30}\mu_{22}^2\mu_{23} - 6\mu_{02}\mu_{30}\mu_{22}\mu_{13}\mu_{32} + \mu_{02}\mu_{30}\mu_{22}\mu_{04}\mu_{41} \\
& +3\mu_{02}\mu_{30}\mu_{13}^2\mu_{41} - \mu_{02}\mu_{30}\mu_{13}\mu_{04}\mu_{50} + \mu_{02}\mu_{21}\mu_{40}\mu_{22}\mu_{14} \\
& -\mu_{02}\mu_{21}\mu_{40}\mu_{13}\mu_{23} + 2\mu_{02}\mu_{21}\mu_{31}^2\mu_{14} - 11\mu_{02}\mu_{21}\mu_{31}\mu_{22}\mu_{23} \\
& +9\mu_{02}\mu_{21}\mu_{31}\mu_{13}\mu_{32} - 2\mu_{02}\mu_{21}\mu_{31}\mu_{04}\mu_{41} + 9\mu_{02}\mu_{21}\mu_{22}^2\mu_{32} \\
& -10\mu_{02}\mu_{21}\mu_{22}\mu_{13}\mu_{41} + 2\mu_{02}\mu_{21}\mu_{22}\mu_{04}\mu_{50} + \mu_{02}\mu_{21}\mu_{13}^2\mu_{50} \\
& -3\mu_{02}\mu_{12}\mu_{40}\mu_{31}\mu_{14} + 5\mu_{02}\mu_{12}\mu_{40}\mu_{22}\mu_{23} - 3\mu_{02}\mu_{12}\mu_{40}\mu_{13}\mu_{32} \\
& +\mu_{02}\mu_{12}\mu_{40}\mu_{04}\mu_{41} + 7\mu_{02}\mu_{12}\mu_{31}^2\mu_{23} - 15\mu_{02}\mu_{12}\mu_{31}\mu_{22}\mu_{32} \\
& +5\mu_{02}\mu_{12}\mu_{31}\mu_{13}\mu_{41} - \mu_{02}\mu_{12}\mu_{31}\mu_{04}\mu_{50} + 6\mu_{02}\mu_{12}\mu_{22}^2\mu_{41} \\
& -2\mu_{02}\mu_{12}\mu_{22}\mu_{13}\mu_{50} + \mu_{02}\mu_{03}\mu_{40}^2\mu_{14} - 4\mu_{02}\mu_{03}\mu_{40}\mu_{31}\mu_{23} \\
& +3\mu_{02}\mu_{03}\mu_{40}\mu_{22}\mu_{32} - \mu_{02}\mu_{03}\mu_{40}\mu_{13}\mu_{41} + 3\mu_{02}\mu_{03}\mu_{31}^2\mu_{32} \\
& -3\mu_{02}\mu_{03}\mu_{31}\mu_{22}\mu_{41} + \mu_{02}\mu_{03}\mu_{31}\mu_{13}\mu_{50})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 1,1,2,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



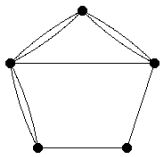
$$
\begin{aligned}
I_{91} \;=\; & (-\mu_{20}\mu_{21}\mu_{40}\mu_{13}\mu_{05} + \mu_{20}\mu_{21}\mu_{40}\mu_{04}\mu_{14} + \mu_{20}\mu_{21}\mu_{31}\mu_{22}\mu_{05} \\
& +2\mu_{20}\mu_{21}\mu_{31}\mu_{13}\mu_{14} - 3\mu_{20}\mu_{21}\mu_{31}\mu_{04}\mu_{23} - 3\mu_{20}\mu_{21}\mu_{22}^2\mu_{14} \\
& +3\mu_{20}\mu_{21}\mu_{22}\mu_{13}\mu_{23} + 2\mu_{20}\mu_{21}\mu_{22}\mu_{04}\mu_{32} - 2\mu_{20}\mu_{21}\mu_{13}^2\mu_{32} \\
& +2\mu_{20}\mu_{12}\mu_{40}\mu_{13}\mu_{14} - 2\mu_{20}\mu_{12}\mu_{40}\mu_{04}\mu_{23} - 2\mu_{20}\mu_{12}\mu_{31}\mu_{22}\mu_{14} \\
& -4\mu_{20}\mu_{12}\mu_{31}\mu_{13}\mu_{23} + 6\mu_{20}\mu_{12}\mu_{31}\mu_{04}\mu_{32} + 6\mu_{20}\mu_{12}\mu_{22}^2\mu_{23} \\
& -6\mu_{20}\mu_{12}\mu_{22}\mu_{13}\mu_{32} - 4\mu_{20}\mu_{12}\mu_{22}\mu_{04}\mu_{41} + 4\mu_{20}\mu_{12}\mu_{13}^2\mu_{41} \\
& -\mu_{20}\mu_{03}\mu_{40}\mu_{13}\mu_{23} + \mu_{20}\mu_{03}\mu_{40}\mu_{04}\mu_{32} + \mu_{20}\mu_{03}\mu_{31}\mu_{22}\mu_{23} \\
& +2\mu_{20}\mu_{03}\mu_{31}\mu_{13}\mu_{32} - 3\mu_{20}\mu_{03}\mu_{31}\mu_{04}\mu_{41} - 3\mu_{20}\mu_{03}\mu_{22}^2\mu_{32} \\
& +3\mu_{20}\mu_{03}\mu_{22}\mu_{13}\mu_{41} + 2\mu_{20}\mu_{03}\mu_{22}\mu_{04}\mu_{50} - 2\mu_{20}\mu_{03}\mu_{13}^2\mu_{50} \\
& +\mu_{11}\mu_{30}\mu_{40}\mu_{13}\mu_{05} - \mu_{11}\mu_{30}\mu_{40}\mu_{04}\mu_{14} - \mu_{11}\mu_{30}\mu_{31}\mu_{22}\mu_{05} \\
& -2\mu_{11}\mu_{30}\mu_{31}\mu_{13}\mu_{14} + 3\mu_{11}\mu_{30}\mu_{31}\mu_{04}\mu_{23} + 3\mu_{11}\mu_{30}\mu_{22}^2\mu_{14} \\
& -3\mu_{11}\mu_{30}\mu_{22}\mu_{13}\mu_{23} - 2\mu_{11}\mu_{30}\mu_{22}\mu_{04}\mu_{32} + 2\mu_{11}\mu_{30}\mu_{13}^2\mu_{32} \\
& +2\mu_{11}\mu_{21}\mu_{40}\mu_{22}\mu_{05} - 5\mu_{11}\mu_{21}\mu_{40}\mu_{13}\mu_{14} + 3\mu_{11}\mu_{21}\mu_{40}\mu_{04}\mu_{23} \\
& -2\mu_{11}\mu_{21}\mu_{31}^2\mu_{05} + 5\mu_{11}\mu_{21}\mu_{31}\mu_{22}\mu_{14} + 6\mu_{11}\mu_{21}\mu_{31}\mu_{13}\mu_{23} \\
& -7\mu_{11}\mu_{21}\mu_{31}\mu_{04}\mu_{32} - 9\mu_{11}\mu_{21}\mu_{22}^2\mu_{23} + 7\mu_{11}\mu_{21}\mu_{22}\mu_{13}\mu_{32} \\
& +4\mu_{11}\mu_{21}\mu_{22}\mu_{04}\mu_{41} - 4\mu_{11}\mu_{21}\mu_{13}^2\mu_{41} - 4\mu_{11}\mu_{12}\mu_{40}\mu_{22}\mu_{14} \\
& +7\mu_{11}\mu_{12}\mu_{40}\mu_{13}\mu_{23} - 3\mu_{11}\mu_{12}\mu_{40}\mu_{04}\mu_{32} + 4\mu_{11}\mu_{12}\mu_{31}^2\mu_{14} \\
& -7\mu_{11}\mu_{12}\mu_{31}\mu_{22}\mu_{23} - 6\mu_{11}\mu_{12}\mu_{31}\mu_{13}\mu_{32} + 5\mu_{11}\mu_{12}\mu_{31}\mu_{04}\mu_{41} \\
& +9\mu_{11}\mu_{12}\mu_{22}^2\mu_{32} - 5\mu_{11}\mu_{12}\mu_{22}\mu_{13}\mu_{41} - 2\mu_{11}\mu_{12}\mu_{22}\mu_{04}\mu_{50} \\
& +2\mu_{11}\mu_{12}\mu_{13}^2\mu_{50} + 2\mu_{11}\mu_{03}\mu_{40}\mu_{22}\mu_{23} - 3\mu_{11}\mu_{03}\mu_{40}\mu_{13}\mu_{32} \\
& +\mu_{11}\mu_{03}\mu_{40}\mu_{04}\mu_{41} - 2\mu_{11}\mu_{03}\mu_{31}^2\mu_{23} + 3\mu_{11}\mu_{03}\mu_{31}\mu_{22}\mu_{32} \\
& +2\mu_{11}\mu_{03}\mu_{31}\mu_{13}\mu_{41} - \mu_{11}\mu_{03}\mu_{31}\mu_{04}\mu_{50} - 3\mu_{11}\mu_{03}\mu_{22}^2\mu_{41} \\
& +\mu_{11}\mu_{03}\mu_{22}\mu_{13}\mu_{50} - 2\mu_{02}\mu_{30}\mu_{40}\mu_{22}\mu_{05} + 3\mu_{02}\mu_{30}\mu_{40}\mu_{13}\mu_{14} \\
& -\mu_{02}\mu_{30}\mu_{40}\mu_{04}\mu_{23} + 2\mu_{02}\mu_{30}\mu_{31}^2\mu_{05} - 3\mu_{02}\mu_{30}\mu_{31}\mu_{22}\mu_{14} \\
& -2\mu_{02}\mu_{30}\mu_{31}\mu_{13}\mu_{23} + \mu_{02}\mu_{30}\mu_{31}\mu_{04}\mu_{32} + 3\mu_{02}\mu_{30}\mu_{22}^2\mu_{23} \\
& -\mu_{02}\mu_{30}\mu_{22}\mu_{13}\mu_{32} + 4\mu_{02}\mu_{21}\mu_{40}\mu_{22}\mu_{14} - 6\mu_{02}\mu_{21}\mu_{40}\mu_{13}\mu_{23} \\
& +2\mu_{02}\mu_{21}\mu_{40}\mu_{04}\mu_{32} - 4\mu_{02}\mu_{21}\mu_{31}^2\mu_{14} + 6\mu_{02}\mu_{21}\mu_{31}\mu_{22}\mu_{23} \\
& +4\mu_{02}\mu_{21}\mu_{31}\mu_{13}\mu_{32} - 2\mu_{02}\mu_{21}\mu_{31}\mu_{04}\mu_{41} - 6\mu_{02}\mu_{21}\mu_{22}^2\mu_{32} \\
& +2\mu_{02}\mu_{21}\mu_{22}\mu_{13}\mu_{41} - 2\mu_{02}\mu_{12}\mu_{40}\mu_{22}\mu_{23} + 3\mu_{02}\mu_{12}\mu_{40}\mu_{13}\mu_{32} \\
& -\mu_{02}\mu_{12}\mu_{40}\mu_{04}\mu_{41} + 2\mu_{02}\mu_{12}\mu_{31}^2\mu_{23} - 3\mu_{02}\mu_{12}\mu_{31}\mu_{22}\mu_{32} \\
& -2\mu_{02}\mu_{12}\mu_{31}\mu_{13}\mu_{41} + \mu_{02}\mu_{12}\mu_{31}\mu_{04}\mu_{50} + 3\mu_{02}\mu_{12}\mu_{22}^2\mu_{41} \\
& -\mu_{02}\mu_{12}\mu_{22}\mu_{13}\mu_{50})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 1,1,2,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 |

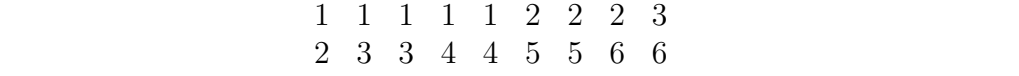


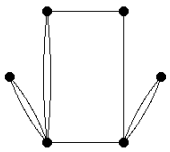
$$
\begin{aligned}
I_{92} \;=\; & (-\mu_{20}^3\mu_{21}\mu_{13}\mu_{05} + \mu_{20}^3\mu_{21}\mu_{04}\mu_{14} + 2\mu_{20}^3\mu_{12}\mu_{13}\mu_{14} - 2\mu_{20}^3\mu_{12}\mu_{04}\mu_{23} \\
& -\mu_{20}^3\mu_{03}\mu_{13}\mu_{23} + \mu_{20}^3\mu_{03}\mu_{04}\mu_{32} + \mu_{20}^2\mu_{11}\mu_{30}\mu_{13}\mu_{05} \\
& -\mu_{20}^2\mu_{11}\mu_{30}\mu_{04}\mu_{14} + 3\mu_{20}^2\mu_{11}\mu_{21}\mu_{22}\mu_{05} - 3\mu_{20}^2\mu_{11}\mu_{21}\mu_{13}\mu_{14} \\
& -6\mu_{20}^2\mu_{11}\mu_{12}\mu_{22}\mu_{14} + 3\mu_{20}^2\mu_{11}\mu_{12}\mu_{13}\mu_{23} + 3\mu_{20}^2\mu_{11}\mu_{12}\mu_{04}\mu_{32} \\
& +3\mu_{20}^2\mu_{11}\mu_{03}\mu_{22}\mu_{23} - \mu_{20}^2\mu_{11}\mu_{03}\mu_{13}\mu_{32} - 2\mu_{20}^2\mu_{11}\mu_{03}\mu_{04}\mu_{41} \\
& -\mu_{20}^2\mu_{02}\mu_{30}\mu_{22}\mu_{05} + \mu_{20}^2\mu_{02}\mu_{30}\mu_{13}\mu_{14} - \mu_{20}^2\mu_{02}\mu_{21}\mu_{31}\mu_{05} \\
& +3\mu_{20}^2\mu_{02}\mu_{21}\mu_{22}\mu_{14} - 3\mu_{20}^2\mu_{02}\mu_{21}\mu_{13}\mu_{23} + \mu_{20}^2\mu_{02}\mu_{21}\mu_{04}\mu_{32} \\
& +2\mu_{20}^2\mu_{02}\mu_{12}\mu_{31}\mu_{14} - 3\mu_{20}^2\mu_{02}\mu_{12}\mu_{22}\mu_{23} + 3\mu_{20}^2\mu_{02}\mu_{12}\mu_{13}\mu_{32} \\
& -2\mu_{20}^2\mu_{02}\mu_{12}\mu_{04}\mu_{41} - \mu_{20}^2\mu_{02}\mu_{03}\mu_{31}\mu_{23} + \mu_{20}^2\mu_{02}\mu_{03}\mu_{22}\mu_{32} \\
& -\mu_{20}^2\mu_{02}\mu_{03}\mu_{13}\mu_{41} + \mu_{20}^2\mu_{02}\mu_{03}\mu_{04}\mu_{50} - 2\mu_{20}\mu_{11}^2\mu_{30}\mu_{22}\mu_{05} \\
& +2\mu_{20}\mu_{11}^2\mu_{30}\mu_{04}\mu_{23} - 2\mu_{20}\mu_{11}^2\mu_{21}\mu_{31}\mu_{05} + 6\mu_{20}\mu_{11}^2\mu_{21}\mu_{13}\mu_{23} \\
& -4\mu_{20}\mu_{11}^2\mu_{21}\mu_{04}\mu_{32} + 4\mu_{20}\mu_{11}^2\mu_{12}\mu_{31}\mu_{14} + 6\mu_{20}\mu_{11}^2\mu_{12}\mu_{22}\mu_{23} \\
& -12\mu_{20}\mu_{11}^2\mu_{12}\mu_{13}\mu_{32} + 2\mu_{20}\mu_{11}^2\mu_{12}\mu_{04}\mu_{41} - 2\mu_{20}\mu_{11}^2\mu_{03}\mu_{31}\mu_{23} \\
& -4\mu_{20}\mu_{11}^2\mu_{03}\mu_{22}\mu_{32} + 6\mu_{20}\mu_{11}^2\mu_{03}\mu_{13}\mu_{41} + 3\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{05} \\
& -\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{22}\mu_{14} - \mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{13}\mu_{23} \\
& -\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{04}\mu_{32} + \mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{05} \\
& -5\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{14} + 3\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{22}\mu_{23} \\
& -\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{13}\mu_{32} + 2\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{04}\mu_{41} \\
& -2\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{14} + \mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{23} \\
& -3\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{22}\mu_{32} + 5\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{13}\mu_{41} \\
& -\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{04}\mu_{50} + \mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{23} \\
& +\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{31}\mu_{32} + \mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{22}\mu_{41} \\
& -3\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{13}\mu_{50} - \mu_{20}\mu_{02}^2\mu_{30}\mu_{40}\mu_{05} + \mu_{20}\mu_{02}^2\mu_{30}\mu_{31}\mu_{14} \\
& -\mu_{20}\mu_{02}^2\mu_{30}\mu_{22}\mu_{23} + \mu_{20}\mu_{02}^2\mu_{30}\mu_{13}\mu_{32} + 2\mu_{20}\mu_{02}^2\mu_{21}\mu_{40}\mu_{14} \\
& -3\mu_{20}\mu_{02}^2\mu_{21}\mu_{31}\mu_{23} + 3\mu_{20}\mu_{02}^2\mu_{21}\mu_{22}\mu_{32} - 2\mu_{20}\mu_{02}^2\mu_{21}\mu_{13}\mu_{41} \\
& -\mu_{20}\mu_{02}^2\mu_{12}\mu_{40}\mu_{23} + 3\mu_{20}\mu_{02}^2\mu_{12}\mu_{31}\mu_{32} - 3\mu_{20}\mu_{02}^2\mu_{12}\mu_{22}\mu_{41} \\
& +\mu_{20}\mu_{02}^2\mu_{12}\mu_{13}\mu_{50} - \mu_{20}\mu_{02}^2\mu_{03}\mu_{31}\mu_{41} + \mu_{20}\mu_{02}^2\mu_{03}\mu_{22}\mu_{50} \\
& +4\mu_{11}^3\mu_{30}\mu_{22}\mu_{14} - 4\mu_{11}^3\mu_{30}\mu_{13}\mu_{23} + 4\mu_{11}^3\mu_{21}\mu_{31}\mu_{14} - 12\mu_{11}^3\mu_{21}\mu_{22}\mu_{23} \\
& +8\mu_{11}^3\mu_{21}\mu_{13}\mu_{32} - 8\mu_{11}^3\mu_{12}\mu_{31}\mu_{23} + 12\mu_{11}^3\mu_{12}\mu_{22}\mu_{32} - 4\mu_{11}^3\mu_{12}\mu_{13}\mu_{41} \\
& +4\mu_{11}^3\mu_{03}\mu_{31}\mu_{32} - 4\mu_{11}^3\mu_{03}\mu_{22}\mu_{41} - 6\mu_{11}^2\mu_{02}\mu_{30}\mu_{31}\mu_{14} \\
& +4\mu_{11}^2\mu_{02}\mu_{30}\mu_{22}\mu_{23} + 2\mu_{11}^2\mu_{02}\mu_{30}\mu_{13}\mu_{32} - 2\mu_{11}^2\mu_{02}\mu_{21}\mu_{40}\mu_{14} \\
& +12\mu_{11}^2\mu_{02}\mu_{21}\mu_{31}\mu_{23} - 6\mu_{11}^2\mu_{02}\mu_{21}\mu_{22}\mu_{32} - 4\mu_{11}^2\mu_{02}\mu_{21}\mu_{13}\mu_{41} \\
& +4\mu_{11}^2\mu_{02}\mu_{12}\mu_{40}\mu_{23} - 6\mu_{11}^2\mu_{02}\mu_{12}\mu_{31}\mu_{32} + 2\mu_{11}^2\mu_{02}\mu_{12}\mu_{13}\mu_{50} \\
& -2\mu_{11}^2\mu_{02}\mu_{03}\mu_{40}\mu_{32} + 2\mu_{11}^2\mu_{02}\mu_{03}\mu_{22}\mu_{50} + 2\mu_{11}\mu_{02}^2\mu_{30}\mu_{40}\mu_{14} \\
& +\mu_{11}\mu_{02}^2\mu_{30}\mu_{31}\mu_{23} - 3\mu_{11}\mu_{02}^2\mu_{30}\mu_{22}\mu_{32} - 3\mu_{11}\mu_{02}^2\mu_{21}\mu_{40}\mu_{23} \\
& -3\mu_{11}\mu_{02}^2\mu_{21}\mu_{31}\mu_{32} + 6\mu_{11}\mu_{02}^2\mu_{21}\mu_{22}\mu_{41} + 3\mu_{11}\mu_{02}^2\mu_{12}\mu_{31}\mu_{41} \\
& -3\mu_{11}\mu_{02}^2\mu_{12}\mu_{22}\mu_{50} + \mu_{11}\mu_{02}^2\mu_{03}\mu_{40}\mu_{41} - \mu_{11}\mu_{02}^2\mu_{03}\mu_{31}\mu_{50} \\
& -\mu_{02}^3\mu_{30}\mu_{40}\mu_{23} + \mu_{02}^3\mu_{30}\mu_{31}\mu_{32} + 2\mu_{02}^3\mu_{21}\mu_{40}\mu_{32} - 2\mu_{02}^3\mu_{21}\mu_{31}\mu_{41} \\
& -\mu_{02}^3\mu_{12}\mu_{40}\mu_{41} + \mu_{02}^3\mu_{12}\mu_{31}\mu_{50})/\mu_{00}^{15}
\end{aligned}
$$

weight=9

structure: 3,1,1,1

Generating graph:





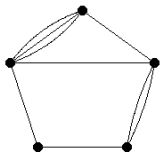
$$
\begin{aligned}
I_{93} \;=\; & (\mu_{20}\mu_{21}\mu_{40}\mu_{13}\mu_{05} - \mu_{20}\mu_{21}\mu_{40}\mu_{04}\mu_{14} - \mu_{20}\mu_{21}\mu_{31}\mu_{22}\mu_{05} \\
& -2\mu_{20}\mu_{21}\mu_{31}\mu_{13}\mu_{14} + 3\mu_{20}\mu_{21}\mu_{31}\mu_{04}\mu_{23} + 3\mu_{20}\mu_{21}\mu_{22}^2\mu_{14} \\
& -3\mu_{20}\mu_{21}\mu_{22}\mu_{13}\mu_{23} - 2\mu_{20}\mu_{21}\mu_{22}\mu_{04}\mu_{32} + 2\mu_{20}\mu_{21}\mu_{13}^2\mu_{32} \\
& -2\mu_{20}\mu_{12}\mu_{40}\mu_{22}\mu_{05} + 2\mu_{20}\mu_{12}\mu_{40}\mu_{13}\mu_{14} + 2\mu_{20}\mu_{12}\mu_{31}^2\mu_{05} \\
& -2\mu_{20}\mu_{12}\mu_{31}\mu_{22}\mu_{14} - 2\mu_{20}\mu_{12}\mu_{31}\mu_{04}\mu_{32} + 2\mu_{20}\mu_{12}\mu_{22}\mu_{13}\mu_{32} \\
& +2\mu_{20}\mu_{12}\mu_{22}\mu_{04}\mu_{41} - 2\mu_{20}\mu_{12}\mu_{13}^2\mu_{41} + 2\mu_{20}\mu_{03}\mu_{40}\mu_{22}\mu_{14} \\
& -3\mu_{20}\mu_{03}\mu_{40}\mu_{13}\mu_{23} + \mu_{20}\mu_{03}\mu_{40}\mu_{04}\mu_{32} - 2\mu_{20}\mu_{03}\mu_{31}^2\mu_{14} \\
& +3\mu_{20}\mu_{03}\mu_{31}\mu_{22}\mu_{23} + 2\mu_{20}\mu_{03}\mu_{31}\mu_{13}\mu_{32} - \mu_{20}\mu_{03}\mu_{31}\mu_{04}\mu_{41} \\
& -3\mu_{20}\mu_{03}\mu_{22}^2\mu_{32} + \mu_{20}\mu_{03}\mu_{22}\mu_{13}\mu_{41} - \mu_{11}\mu_{30}\mu_{40}\mu_{13}\mu_{05} \\
& +\mu_{11}\mu_{30}\mu_{40}\mu_{04}\mu_{14} + \mu_{11}\mu_{30}\mu_{31}\mu_{22}\mu_{05} + 2\mu_{11}\mu_{30}\mu_{31}\mu_{13}\mu_{14} \\
& -3\mu_{11}\mu_{30}\mu_{31}\mu_{04}\mu_{23} - 3\mu_{11}\mu_{30}\mu_{22}^2\mu_{14} + 3\mu_{11}\mu_{30}\mu_{22}\mu_{13}\mu_{23} \\
& +2\mu_{11}\mu_{30}\mu_{22}\mu_{04}\mu_{32} - 2\mu_{11}\mu_{30}\mu_{13}^2\mu_{32} + 2\mu_{11}\mu_{21}\mu_{40}\mu_{22}\mu_{05} \\
& -3\mu_{11}\mu_{21}\mu_{40}\mu_{13}\mu_{14} + \mu_{11}\mu_{21}\mu_{40}\mu_{04}\mu_{23} - 2\mu_{11}\mu_{21}\mu_{31}^2\mu_{05} \\
& +3\mu_{11}\mu_{21}\mu_{31}\mu_{22}\mu_{14} + 2\mu_{11}\mu_{21}\mu_{31}\mu_{13}\mu_{23} - \mu_{11}\mu_{21}\mu_{31}\mu_{04}\mu_{32} \\
& -3\mu_{11}\mu_{21}\mu_{22}^2\mu_{23} + \mu_{11}\mu_{21}\mu_{22}\mu_{13}\mu_{32} + \mu_{11}\mu_{12}\mu_{40}\mu_{13}\mu_{23} \\
& -\mu_{11}\mu_{12}\mu_{40}\mu_{04}\mu_{32} - \mu_{11}\mu_{12}\mu_{31}\mu_{22}\mu_{23} - 2\mu_{11}\mu_{12}\mu_{31}\mu_{13}\mu_{32} \\
& +3\mu_{11}\mu_{12}\mu_{31}\mu_{04}\mu_{41} + 3\mu_{11}\mu_{12}\mu_{22}^2\mu_{32} - 3\mu_{11}\mu_{12}\mu_{22}\mu_{13}\mu_{41} \\
& -2\mu_{11}\mu_{12}\mu_{22}\mu_{04}\mu_{50} + 2\mu_{11}\mu_{12}\mu_{13}^2\mu_{50} - 2\mu_{11}\mu_{03}\mu_{40}\mu_{22}\mu_{23} \\
& +3\mu_{11}\mu_{03}\mu_{40}\mu_{13}\mu_{32} - \mu_{11}\mu_{03}\mu_{40}\mu_{04}\mu_{41} + 2\mu_{11}\mu_{03}\mu_{31}^2\mu_{23} \\
& -3\mu_{11}\mu_{03}\mu_{31}\mu_{22}\mu_{32} - 2\mu_{11}\mu_{03}\mu_{31}\mu_{13}\mu_{41} + \mu_{11}\mu_{03}\mu_{31}\mu_{04}\mu_{50} \\
& +3\mu_{11}\mu_{03}\mu_{22}^2\mu_{41} - \mu_{11}\mu_{03}\mu_{22}\mu_{13}\mu_{50} + \mu_{02}\mu_{30}\mu_{40}\mu_{13}\mu_{14} \\
& -\mu_{02}\mu_{30}\mu_{40}\mu_{04}\mu_{23} - \mu_{02}\mu_{30}\mu_{31}\mu_{22}\mu_{14} - 2\mu_{02}\mu_{30}\mu_{31}\mu_{13}\mu_{23} \\
& +3\mu_{02}\mu_{30}\mu_{31}\mu_{04}\mu_{32} + 3\mu_{02}\mu_{30}\mu_{22}^2\mu_{23} - 3\mu_{02}\mu_{30}\mu_{22}\mu_{13}\mu_{32} \\
& -2\mu_{02}\mu_{30}\mu_{22}\mu_{04}\mu_{41} + 2\mu_{02}\mu_{30}\mu_{13}^2\mu_{41} - 2\mu_{02}\mu_{21}\mu_{40}\mu_{22}\mu_{14} \\
& +2\mu_{02}\mu_{21}\mu_{40}\mu_{13}\mu_{23} + 2\mu_{02}\mu_{21}\mu_{31}^2\mu_{14} - 2\mu_{02}\mu_{21}\mu_{31}\mu_{22}\mu_{23} \\
& -2\mu_{02}\mu_{21}\mu_{31}\mu_{04}\mu_{41} + 2\mu_{02}\mu_{21}\mu_{22}\mu_{13}\mu_{41} + 2\mu_{02}\mu_{21}\mu_{22}\mu_{04}\mu_{50} \\
& -2\mu_{02}\mu_{21}\mu_{13}^2\mu_{50} + 2\mu_{02}\mu_{12}\mu_{40}\mu_{22}\mu_{23} - 3\mu_{02}\mu_{12}\mu_{40}\mu_{13}\mu_{32} \\
& +\mu_{02}\mu_{12}\mu_{40}\mu_{04}\mu_{41} - 2\mu_{02}\mu_{12}\mu_{31}^2\mu_{23} + 3\mu_{02}\mu_{12}\mu_{31}\mu_{22}\mu_{32} \\
& +2\mu_{02}\mu_{12}\mu_{31}\mu_{13}\mu_{41} - \mu_{02}\mu_{12}\mu_{31}\mu_{04}\mu_{50} - 3\mu_{02}\mu_{12}\mu_{22}^2\mu_{41} \\
& +\mu_{02}\mu_{12}\mu_{22}\mu_{13}\mu_{50})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 1,1,2,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |



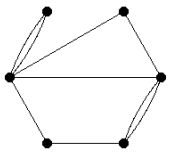
$$
\begin{aligned}
I_{94} \;=\; & (\mu_{20}^3\mu_{21}\mu_{13}\mu_{05} - \mu_{20}^3\mu_{21}\mu_{04}\mu_{14} - 2\mu_{20}^3\mu_{12}\mu_{22}\mu_{05} + 2\mu_{20}^3\mu_{12}\mu_{13}\mu_{14} \\
& +\mu_{20}^3\mu_{03}\mu_{31}\mu_{05} - \mu_{20}^3\mu_{03}\mu_{22}\mu_{14} - \mu_{20}^2\mu_{11}\mu_{30}\mu_{13}\mu_{05} \\
& +\mu_{20}^2\mu_{11}\mu_{30}\mu_{04}\mu_{14} + \mu_{20}^2\mu_{11}\mu_{21}\mu_{22}\mu_{05} - 5\mu_{20}^2\mu_{11}\mu_{21}\mu_{13}\mu_{14} \\
& +4\mu_{20}^2\mu_{11}\mu_{21}\mu_{04}\mu_{23} + \mu_{20}^2\mu_{11}\mu_{12}\mu_{31}\mu_{05} + 7\mu_{20}^2\mu_{11}\mu_{12}\mu_{22}\mu_{14} \\
& -8\mu_{20}^2\mu_{11}\mu_{12}\mu_{13}\mu_{23} - \mu_{20}^2\mu_{11}\mu_{03}\mu_{40}\mu_{05} - 3\mu_{20}^2\mu_{11}\mu_{03}\mu_{31}\mu_{14} \\
& +4\mu_{20}^2\mu_{11}\mu_{03}\mu_{22}\mu_{23} + \mu_{20}^2\mu_{02}\mu_{30}\mu_{13}\mu_{14} - \mu_{20}^2\mu_{02}\mu_{30}\mu_{04}\mu_{23} \\
& -\mu_{20}^2\mu_{02}\mu_{21}\mu_{22}\mu_{14} + 2\mu_{20}^2\mu_{02}\mu_{21}\mu_{13}\mu_{23} - \mu_{20}^2\mu_{02}\mu_{21}\mu_{04}\mu_{32} \\
& -\mu_{20}^2\mu_{02}\mu_{12}\mu_{31}\mu_{14} - \mu_{20}^2\mu_{02}\mu_{12}\mu_{22}\mu_{23} + 2\mu_{20}^2\mu_{02}\mu_{12}\mu_{13}\mu_{32} \\
& +\mu_{20}^2\mu_{02}\mu_{03}\mu_{40}\mu_{14} - \mu_{20}^2\mu_{02}\mu_{03}\mu_{22}\mu_{32} + \mu_{20}\mu_{11}^2\mu_{30}\mu_{22}\mu_{05} \\
& +2\mu_{20}\mu_{11}^2\mu_{30}\mu_{13}\mu_{14} - 3\mu_{20}\mu_{11}^2\mu_{30}\mu_{04}\mu_{23} - 2\mu_{20}\mu_{11}^2\mu_{21}\mu_{31}\mu_{05} \\
& -\mu_{20}\mu_{11}^2\mu_{21}\mu_{22}\mu_{14} + 8\mu_{20}\mu_{11}^2\mu_{21}\mu_{13}\mu_{23} - 5\mu_{20}\mu_{11}^2\mu_{21}\mu_{04}\mu_{32} \\
& +\mu_{20}\mu_{11}^2\mu_{12}\mu_{40}\mu_{05} - 4\mu_{20}\mu_{11}^2\mu_{12}\mu_{31}\mu_{14} - 7\mu_{20}\mu_{11}^2\mu_{12}\mu_{22}\mu_{23} \\
& +10\mu_{20}\mu_{11}^2\mu_{12}\mu_{13}\mu_{32} + 3\mu_{20}\mu_{11}^2\mu_{03}\mu_{40}\mu_{14} + 2\mu_{20}\mu_{11}^2\mu_{03}\mu_{31}\mu_{23} \\
& -5\mu_{20}\mu_{11}^2\mu_{03}\mu_{22}\mu_{32} - 2\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{22}\mu_{14} \\
& -2\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{13}\mu_{23} + 4\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{04}\mu_{32} \\
& +4\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{14} - 6\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{13}\mu_{32} \\
& +2\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{04}\mu_{41} - 2\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{14} \\
& +6\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{23} - 4\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{13}\mu_{41} \\
& -4\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{23} + 2\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{31}\mu_{32} \\
& +2\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{22}\mu_{41} + \mu_{20}\mu_{02}^2\mu_{30}\mu_{22}\mu_{23} - \mu_{20}\mu_{02}^2\mu_{30}\mu_{04}\mu_{41} \\
& -2\mu_{20}\mu_{02}^2\mu_{21}\mu_{31}\mu_{23} + \mu_{20}\mu_{02}^2\mu_{21}\mu_{22}\mu_{32} + \mu_{20}\mu_{02}^2\mu_{21}\mu_{13}\mu_{41} \\
& +\mu_{20}\mu_{02}^2\mu_{12}\mu_{40}\mu_{23} - 2\mu_{20}\mu_{02}^2\mu_{12}\mu_{31}\mu_{32} + \mu_{20}\mu_{02}^2\mu_{12}\mu_{22}\mu_{41} \\
& +\mu_{20}\mu_{02}^2\mu_{03}\mu_{40}\mu_{32} - \mu_{20}\mu_{02}^2\mu_{03}\mu_{31}\mu_{41} - 2\mu_{11}^3\mu_{30}\mu_{22}\mu_{14} \\
& +2\mu_{11}^3\mu_{30}\mu_{04}\mu_{32} + 4\mu_{11}^3\mu_{21}\mu_{31}\mu_{14} - 2\mu_{11}^3\mu_{21}\mu_{22}\mu_{23} - 4\mu_{11}^3\mu_{21}\mu_{13}\mu_{32} \\
& +2\mu_{11}^3\mu_{21}\mu_{04}\mu_{41} - 2\mu_{11}^3\mu_{12}\mu_{40}\mu_{14} + 4\mu_{11}^3\mu_{12}\mu_{31}\mu_{23} + 2\mu_{11}^3\mu_{12}\mu_{22}\mu_{32} \\
& -4\mu_{11}^3\mu_{12}\mu_{13}\mu_{41} - 2\mu_{11}^3\mu_{03}\mu_{40}\mu_{23} + 2\mu_{11}^3\mu_{03}\mu_{22}\mu_{41} \\
& +5\mu_{11}^2\mu_{02}\mu_{30}\mu_{22}\mu_{23} - 2\mu_{11}^2\mu_{02}\mu_{30}\mu_{13}\mu_{32} - 3\mu_{11}^2\mu_{02}\mu_{30}\mu_{04}\mu_{41} \\
& -10\mu_{11}^2\mu_{02}\mu_{21}\mu_{31}\mu_{23} + 7\mu_{11}^2\mu_{02}\mu_{21}\mu_{22}\mu_{32} + 4\mu_{11}^2\mu_{02}\mu_{21}\mu_{13}\mu_{41} \\
& -\mu_{11}^2\mu_{02}\mu_{21}\mu_{04}\mu_{50} + 5\mu_{11}^2\mu_{02}\mu_{12}\mu_{40}\mu_{23} - 8\mu_{11}^2\mu_{02}\mu_{12}\mu_{31}\mu_{32} \\
& +\mu_{11}^2\mu_{02}\mu_{12}\mu_{22}\mu_{41} + 2\mu_{11}^2\mu_{02}\mu_{12}\mu_{13}\mu_{50} + 3\mu_{11}^2\mu_{02}\mu_{03}\mu_{40}\mu_{32} \\
& -2\mu_{11}^2\mu_{02}\mu_{03}\mu_{31}\mu_{41} - \mu_{11}^2\mu_{02}\mu_{03}\mu_{22}\mu_{50} - 4\mu_{11}\mu_{02}^2\mu_{30}\mu_{22}\mu_{32} \\
& +3\mu_{11}\mu_{02}^2\mu_{30}\mu_{13}\mu_{41} + \mu_{11}\mu_{02}^2\mu_{30}\mu_{04}\mu_{50} + 8\mu_{11}\mu_{02}^2\mu_{21}\mu_{31}\mu_{32} \\
& -7\mu_{11}\mu_{02}^2\mu_{21}\mu_{22}\mu_{41} - \mu_{11}\mu_{02}^2\mu_{21}\mu_{13}\mu_{50} - 4\mu_{11}\mu_{02}^2\mu_{12}\mu_{40}\mu_{32} \\
& +5\mu_{11}\mu_{02}^2\mu_{12}\mu_{31}\mu_{41} - \mu_{11}\mu_{02}^2\mu_{12}\mu_{22}\mu_{50} - \mu_{11}\mu_{02}^2\mu_{03}\mu_{40}\mu_{41} \\
& +\mu_{11}\mu_{02}^2\mu_{03}\mu_{31}\mu_{50} + \mu_{02}^3\mu_{30}\mu_{22}\mu_{41} - \mu_{02}^3\mu_{30}\mu_{13}\mu_{50} \\
& -2\mu_{02}^3\mu_{21}\mu_{31}\mu_{41} + 2\mu_{02}^3\mu_{21}\mu_{22}\mu_{50} + \mu_{02}^3\mu_{12}\mu_{40}\mu_{41} - \mu_{02}^3\mu_{12}\mu_{31}\mu_{50})/\mu_{00}^{15}
\end{aligned}
$$

weight=9

structure: 3,1,1,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 6 |



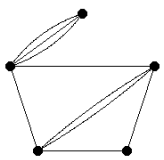
$$
\begin{aligned}
I_{95} \;=\; & (-\mu_{20}\mu_{30}\mu_{31}\mu_{13}\mu_{05} + \mu_{20}\mu_{30}\mu_{31}\mu_{04}\mu_{14} + \mu_{20}\mu_{30}\mu_{22}^2\mu_{05} \\
& -\mu_{20}\mu_{30}\mu_{22}\mu_{13}\mu_{14} - \mu_{20}\mu_{30}\mu_{22}\mu_{04}\mu_{23} + \mu_{20}\mu_{30}\mu_{13}^2\mu_{23} \\
& +3\mu_{20}\mu_{21}\mu_{31}\mu_{13}\mu_{14} - 3\mu_{20}\mu_{21}\mu_{31}\mu_{04}\mu_{23} - 3\mu_{20}\mu_{21}\mu_{22}^2\mu_{14} \\
& +3\mu_{20}\mu_{21}\mu_{22}\mu_{13}\mu_{23} + 3\mu_{20}\mu_{21}\mu_{22}\mu_{04}\mu_{32} - 3\mu_{20}\mu_{21}\mu_{13}^2\mu_{32} \\
& -3\mu_{20}\mu_{12}\mu_{31}\mu_{13}\mu_{23} + 3\mu_{20}\mu_{12}\mu_{31}\mu_{04}\mu_{32} + 3\mu_{20}\mu_{12}\mu_{22}^2\mu_{23} \\
& -3\mu_{20}\mu_{12}\mu_{22}\mu_{13}\mu_{32} - 3\mu_{20}\mu_{12}\mu_{22}\mu_{04}\mu_{41} + 3\mu_{20}\mu_{12}\mu_{13}^2\mu_{41} \\
& +\mu_{20}\mu_{03}\mu_{31}\mu_{13}\mu_{32} - \mu_{20}\mu_{03}\mu_{31}\mu_{04}\mu_{41} - \mu_{20}\mu_{03}\mu_{22}^2\mu_{32} \\
& +\mu_{20}\mu_{03}\mu_{22}\mu_{13}\mu_{41} + \mu_{20}\mu_{03}\mu_{22}\mu_{04}\mu_{50} - \mu_{20}\mu_{03}\mu_{13}^2\mu_{50} \\
& +\mu_{11}\mu_{30}\mu_{40}\mu_{13}\mu_{05} - \mu_{11}\mu_{30}\mu_{40}\mu_{04}\mu_{14} - \mu_{11}\mu_{30}\mu_{31}\mu_{22}\mu_{05} \\
& +\mu_{11}\mu_{30}\mu_{31}\mu_{04}\mu_{23} + \mu_{11}\mu_{30}\mu_{22}^2\mu_{14} - \mu_{11}\mu_{30}\mu_{22}\mu_{13}\mu_{23} \\
& -3\mu_{11}\mu_{21}\mu_{40}\mu_{13}\mu_{14} + 3\mu_{11}\mu_{21}\mu_{40}\mu_{04}\mu_{23} + 3\mu_{11}\mu_{21}\mu_{31}\mu_{22}\mu_{14} \\
& -3\mu_{11}\mu_{21}\mu_{31}\mu_{04}\mu_{32} - 3\mu_{11}\mu_{21}\mu_{22}^2\mu_{23} + 3\mu_{11}\mu_{21}\mu_{22}\mu_{13}\mu_{32} \\
& +3\mu_{11}\mu_{12}\mu_{40}\mu_{13}\mu_{23} - 3\mu_{11}\mu_{12}\mu_{40}\mu_{04}\mu_{32} - 3\mu_{11}\mu_{12}\mu_{31}\mu_{22}\mu_{23} \\
& +3\mu_{11}\mu_{12}\mu_{31}\mu_{04}\mu_{41} + 3\mu_{11}\mu_{12}\mu_{22}^2\mu_{32} - 3\mu_{11}\mu_{12}\mu_{22}\mu_{13}\mu_{41} \\
& -\mu_{11}\mu_{03}\mu_{40}\mu_{13}\mu_{32} + \mu_{11}\mu_{03}\mu_{40}\mu_{04}\mu_{41} + \mu_{11}\mu_{03}\mu_{31}\mu_{22}\mu_{32} \\
& -\mu_{11}\mu_{03}\mu_{31}\mu_{04}\mu_{50} - \mu_{11}\mu_{03}\mu_{22}^2\mu_{41} + \mu_{11}\mu_{03}\mu_{22}\mu_{13}\mu_{50} \\
& -\mu_{02}\mu_{30}\mu_{40}\mu_{22}\mu_{05} + \mu_{02}\mu_{30}\mu_{40}\mu_{13}\mu_{14} + \mu_{02}\mu_{30}\mu_{31}^2\mu_{05} \\
& -\mu_{02}\mu_{30}\mu_{31}\mu_{22}\mu_{14} - \mu_{02}\mu_{30}\mu_{31}\mu_{13}\mu_{23} + \mu_{02}\mu_{30}\mu_{22}^2\mu_{23} \\
& +3\mu_{02}\mu_{21}\mu_{40}\mu_{22}\mu_{14} - 3\mu_{02}\mu_{21}\mu_{40}\mu_{13}\mu_{23} - 3\mu_{02}\mu_{21}\mu_{31}^2\mu_{14} \\
& +3\mu_{02}\mu_{21}\mu_{31}\mu_{22}\mu_{23} + 3\mu_{02}\mu_{21}\mu_{31}\mu_{13}\mu_{32} - 3\mu_{02}\mu_{21}\mu_{22}^2\mu_{32} \\
& -3\mu_{02}\mu_{12}\mu_{40}\mu_{22}\mu_{23} + 3\mu_{02}\mu_{12}\mu_{40}\mu_{13}\mu_{32} + 3\mu_{02}\mu_{12}\mu_{31}^2\mu_{23} \\
& -3\mu_{02}\mu_{12}\mu_{31}\mu_{22}\mu_{32} - 3\mu_{02}\mu_{12}\mu_{31}\mu_{13}\mu_{41} + 3\mu_{02}\mu_{12}\mu_{22}^2\mu_{41} \\
& +\mu_{02}\mu_{03}\mu_{40}\mu_{22}\mu_{32} - \mu_{02}\mu_{03}\mu_{40}\mu_{13}\mu_{41} - \mu_{02}\mu_{03}\mu_{31}^2\mu_{32} \\
& +\mu_{02}\mu_{03}\mu_{31}\mu_{22}\mu_{41} + \mu_{02}\mu_{03}\mu_{31}\mu_{13}\mu_{50} - \mu_{02}\mu_{03}\mu_{22}^2\mu_{50})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 1,1,2,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 4 |
| 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |



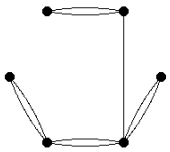
$$
\begin{aligned}
I_{96} \;=\; & (-\mu_{20}^3\mu_{12}\mu_{22}\mu_{05} + 2\mu_{20}^3\mu_{12}\mu_{13}\mu_{14} - \mu_{20}^3\mu_{12}\mu_{04}\mu_{23} + \mu_{20}^3\mu_{03}\mu_{22}\mu_{14} \\
& -2\mu_{20}^3\mu_{03}\mu_{13}\mu_{23} + \mu_{20}^3\mu_{03}\mu_{04}\mu_{32} + 2\mu_{20}^2\mu_{11}\mu_{21}\mu_{22}\mu_{05} \\
& -4\mu_{20}^2\mu_{11}\mu_{21}\mu_{13}\mu_{14} + 2\mu_{20}^2\mu_{11}\mu_{21}\mu_{04}\mu_{23} + 2\mu_{20}^2\mu_{11}\mu_{12}\mu_{31}\mu_{05} \\
& -4\mu_{20}^2\mu_{11}\mu_{12}\mu_{22}\mu_{14} + 2\mu_{20}^2\mu_{11}\mu_{12}\mu_{13}\mu_{23} - 2\mu_{20}^2\mu_{11}\mu_{03}\mu_{31}\mu_{14} \\
& +2\mu_{20}^2\mu_{11}\mu_{03}\mu_{22}\mu_{23} + 2\mu_{20}^2\mu_{11}\mu_{03}\mu_{13}\mu_{32} - 2\mu_{20}^2\mu_{11}\mu_{03}\mu_{04}\mu_{41} \\
& -\mu_{20}^2\mu_{02}\mu_{30}\mu_{22}\mu_{05} + 2\mu_{20}^2\mu_{02}\mu_{30}\mu_{13}\mu_{14} - \mu_{20}^2\mu_{02}\mu_{30}\mu_{04}\mu_{23} \\
& +\mu_{20}^2\mu_{02}\mu_{21}\mu_{22}\mu_{14} - 2\mu_{20}^2\mu_{02}\mu_{21}\mu_{13}\mu_{23} + \mu_{20}^2\mu_{02}\mu_{21}\mu_{04}\mu_{32} \\
& -\mu_{20}^2\mu_{02}\mu_{12}\mu_{40}\mu_{05} + 2\mu_{20}^2\mu_{02}\mu_{12}\mu_{31}\mu_{14} - 2\mu_{20}^2\mu_{02}\mu_{12}\mu_{22}\mu_{23} \\
& +2\mu_{20}^2\mu_{02}\mu_{12}\mu_{13}\mu_{32} - \mu_{20}^2\mu_{02}\mu_{12}\mu_{04}\mu_{41} + \mu_{20}^2\mu_{02}\mu_{03}\mu_{40}\mu_{14} \\
& -2\mu_{20}^2\mu_{02}\mu_{03}\mu_{31}\mu_{23} + 2\mu_{20}^2\mu_{02}\mu_{03}\mu_{22}\mu_{32} - 2\mu_{20}^2\mu_{02}\mu_{03}\mu_{13}\mu_{41} \\
& +\mu_{20}^2\mu_{02}\mu_{03}\mu_{04}\mu_{50} - 4\mu_{20}\mu_{11}^2\mu_{21}\mu_{31}\mu_{05} + 4\mu_{20}\mu_{11}^2\mu_{21}\mu_{22}\mu_{14} \\
& +4\mu_{20}\mu_{11}^2\mu_{21}\mu_{13}\mu_{23} - 4\mu_{20}\mu_{11}^2\mu_{21}\mu_{04}\mu_{32} + 4\mu_{20}\mu_{11}^2\mu_{12}\mu_{22}\mu_{23} \\
& -8\mu_{20}\mu_{11}^2\mu_{12}\mu_{13}\mu_{32} + 4\mu_{20}\mu_{11}^2\mu_{12}\mu_{04}\mu_{41} + 4\mu_{20}\mu_{11}^2\mu_{03}\mu_{31}\mu_{23} \\
& -8\mu_{20}\mu_{11}^2\mu_{03}\mu_{22}\mu_{32} + 4\mu_{20}\mu_{11}^2\mu_{03}\mu_{13}\mu_{41} + 2\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{05} \\
& -2\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{22}\mu_{14} - 2\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{13}\mu_{23} \\
& +2\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{04}\mu_{32} + 2\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{05} \\
& -6\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{14} + 6\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{22}\mu_{23} \\
& -2\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{13}\mu_{32} + 2\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{23} \\
& -6\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{22}\mu_{32} + 6\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{13}\mu_{41} \\
& -2\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{04}\mu_{50} - 2\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{23} \\
& +2\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{31}\mu_{32} + 2\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{22}\mu_{41} \\
& -2\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{13}\mu_{50} - \mu_{20}\mu_{02}^2\mu_{30}\mu_{40}\mu_{05} + 2\mu_{20}\mu_{02}^2\mu_{30}\mu_{31}\mu_{14} \\
& -2\mu_{20}\mu_{02}^2\mu_{30}\mu_{22}\mu_{23} + 2\mu_{20}\mu_{02}^2\mu_{30}\mu_{13}\mu_{32} - \mu_{20}\mu_{02}^2\mu_{30}\mu_{04}\mu_{41} \\
& +\mu_{20}\mu_{02}^2\mu_{21}\mu_{40}\mu_{14} - 2\mu_{20}\mu_{02}^2\mu_{21}\mu_{31}\mu_{23} + 2\mu_{20}\mu_{02}^2\mu_{21}\mu_{22}\mu_{32} \\
& -2\mu_{20}\mu_{02}^2\mu_{21}\mu_{13}\mu_{41} + \mu_{20}\mu_{02}^2\mu_{21}\mu_{04}\mu_{50} - \mu_{20}\mu_{02}^2\mu_{12}\mu_{40}\mu_{23} \\
& +2\mu_{20}\mu_{02}^2\mu_{12}\mu_{31}\mu_{32} - \mu_{20}\mu_{02}^2\mu_{12}\mu_{22}\mu_{41} + \mu_{20}\mu_{02}^2\mu_{03}\mu_{40}\mu_{32} \\
& -2\mu_{20}\mu_{02}^2\mu_{03}\mu_{31}\mu_{41} + \mu_{20}\mu_{02}^2\mu_{03}\mu_{22}\mu_{50} + 8\mu_{11}^3\mu_{21}\mu_{31}\mu_{14} \\
& -16\mu_{11}^3\mu_{21}\mu_{22}\mu_{23} + 8\mu_{11}^3\mu_{21}\mu_{13}\mu_{32} - 8\mu_{11}^3\mu_{12}\mu_{31}\mu_{23} + 16\mu_{11}^3\mu_{12}\mu_{22}\mu_{32} \\
& -8\mu_{11}^3\mu_{12}\mu_{13}\mu_{41} - 4\mu_{11}^2\mu_{02}\mu_{30}\mu_{31}\mu_{14} + 8\mu_{11}^2\mu_{02}\mu_{30}\mu_{22}\mu_{23} \\
& -4\mu_{11}^2\mu_{02}\mu_{30}\mu_{13}\mu_{32} - 4\mu_{11}^2\mu_{02}\mu_{21}\mu_{40}\mu_{14} + 8\mu_{11}^2\mu_{02}\mu_{21}\mu_{31}\mu_{23} \\
& -4\mu_{11}^2\mu_{02}\mu_{21}\mu_{22}\mu_{32} + 4\mu_{11}^2\mu_{02}\mu_{12}\mu_{40}\mu_{23} - 4\mu_{11}^2\mu_{02}\mu_{12}\mu_{31}\mu_{32} \\
& -4\mu_{11}^2\mu_{02}\mu_{12}\mu_{22}\mu_{41} + 4\mu_{11}^2\mu_{02}\mu_{12}\mu_{13}\mu_{50} + 2\mu_{11}\mu_{02}^2\mu_{30}\mu_{40}\mu_{14} \\
& -2\mu_{11}\mu_{02}^2\mu_{30}\mu_{31}\mu_{23} - 2\mu_{11}\mu_{02}^2\mu_{30}\mu_{22}\mu_{32} + 2\mu_{11}\mu_{02}^2\mu_{30}\mu_{13}\mu_{41} \\
& -2\mu_{11}\mu_{02}^2\mu_{21}\mu_{31}\mu_{32} + 4\mu_{11}\mu_{02}^2\mu_{21}\mu_{22}\mu_{41} - 2\mu_{11}\mu_{02}^2\mu_{21}\mu_{13}\mu_{50} \\
& -2\mu_{11}\mu_{02}^2\mu_{12}\mu_{40}\mu_{32} + 4\mu_{11}\mu_{02}^2\mu_{12}\mu_{31}\mu_{41} - 2\mu_{11}\mu_{02}^2\mu_{12}\mu_{22}\mu_{50} \\
& -\mu_{02}^3\mu_{30}\mu_{40}\mu_{23} + 2\mu_{02}^3\mu_{30}\mu_{31}\mu_{32} - \mu_{02}^3\mu_{30}\mu_{22}\mu_{41} + \mu_{02}^3\mu_{21}\mu_{40}\mu_{32} \\
& -2\mu_{02}^3\mu_{21}\mu_{31}\mu_{41} + \mu_{02}^3\mu_{21}\mu_{22}\mu_{50})/\mu_{00}^{15}
\end{aligned}
$$

weight=9

structure: 3,1,1,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 |
| 2 | 2 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |



$$
\begin{aligned}
I_{97} \;=\; & (\mu_{20}^2\mu_{30}\mu_{22}\mu_{13}\mu_{05} - \mu_{20}^2\mu_{30}\mu_{22}\mu_{04}\mu_{14} - 2\mu_{20}^2\mu_{30}\mu_{13}^2\mu_{14} \\
& +3\mu_{20}^2\mu_{30}\mu_{13}\mu_{04}\mu_{23} - \mu_{20}^2\mu_{30}\mu_{04}^2\mu_{32} - \mu_{20}^2\mu_{21}\mu_{22}^2\mu_{05} \\
& +\mu_{20}^2\mu_{21}\mu_{22}\mu_{13}\mu_{14} + \mu_{20}^2\mu_{21}\mu_{22}\mu_{04}\mu_{23} + 2\mu_{20}^2\mu_{21}\mu_{13}^2\mu_{23} \\
& -5\mu_{20}^2\mu_{21}\mu_{13}\mu_{04}\mu_{32} + 2\mu_{20}^2\mu_{21}\mu_{04}^2\mu_{41} + 2\mu_{20}^2\mu_{12}\mu_{22}^2\mu_{14} \\
& -5\mu_{20}^2\mu_{12}\mu_{22}\mu_{13}\mu_{23} + \mu_{20}^2\mu_{12}\mu_{22}\mu_{04}\mu_{32} + 2\mu_{20}^2\mu_{12}\mu_{13}^2\mu_{32} \\
& +\mu_{20}^2\mu_{12}\mu_{13}\mu_{04}\mu_{41} - \mu_{20}^2\mu_{12}\mu_{04}^2\mu_{50} - \mu_{20}^2\mu_{03}\mu_{22}^2\mu_{23} \\
& +3\mu_{20}^2\mu_{03}\mu_{22}\mu_{13}\mu_{32} - \mu_{20}^2\mu_{03}\mu_{22}\mu_{04}\mu_{41} - 2\mu_{20}^2\mu_{03}\mu_{13}^2\mu_{41} \\
& +\mu_{20}^2\mu_{03}\mu_{13}\mu_{04}\mu_{50} - 2\mu_{20}\mu_{11}\mu_{30}\mu_{31}\mu_{13}\mu_{05} \\
& +2\mu_{20}\mu_{11}\mu_{30}\mu_{31}\mu_{04}\mu_{14} - 2\mu_{20}\mu_{11}\mu_{30}\mu_{22}^2\mu_{05} \\
& +10\mu_{20}\mu_{11}\mu_{30}\mu_{22}\mu_{13}\mu_{14} - 6\mu_{20}\mu_{11}\mu_{30}\mu_{22}\mu_{04}\mu_{23} \\
& -6\mu_{20}\mu_{11}\mu_{30}\mu_{13}^2\mu_{23} + 4\mu_{20}\mu_{11}\mu_{30}\mu_{13}\mu_{04}\mu_{32} \\
& +4\mu_{20}\mu_{11}\mu_{21}\mu_{31}\mu_{22}\mu_{05} - 2\mu_{20}\mu_{11}\mu_{21}\mu_{31}\mu_{13}\mu_{14} \\
& -2\mu_{20}\mu_{11}\mu_{21}\mu_{31}\mu_{04}\mu_{23} - 2\mu_{20}\mu_{11}\mu_{21}\mu_{22}^2\mu_{14} \\
& -10\mu_{20}\mu_{11}\mu_{21}\mu_{22}\mu_{13}\mu_{23} + 10\mu_{20}\mu_{11}\mu_{21}\mu_{22}\mu_{04}\mu_{32} \\
& +10\mu_{20}\mu_{11}\mu_{21}\mu_{13}^2\mu_{32} - 8\mu_{20}\mu_{11}\mu_{21}\mu_{13}\mu_{04}\mu_{41} \\
& -8\mu_{20}\mu_{11}\mu_{12}\mu_{31}\mu_{22}\mu_{14} + 10\mu_{20}\mu_{11}\mu_{12}\mu_{31}\mu_{13}\mu_{23} \\
& -2\mu_{20}\mu_{11}\mu_{12}\mu_{31}\mu_{04}\mu_{32} + 10\mu_{20}\mu_{11}\mu_{12}\mu_{22}^2\mu_{23} \\
& -10\mu_{20}\mu_{11}\mu_{12}\mu_{22}\mu_{13}\mu_{32} - 2\mu_{20}\mu_{11}\mu_{12}\mu_{22}\mu_{04}\mu_{41} \\
& -2\mu_{20}\mu_{11}\mu_{12}\mu_{13}^2\mu_{41} + 4\mu_{20}\mu_{11}\mu_{12}\mu_{13}\mu_{04}\mu_{50} \\
& +4\mu_{20}\mu_{11}\mu_{03}\mu_{31}\mu_{22}\mu_{23} - 6\mu_{20}\mu_{11}\mu_{03}\mu_{31}\mu_{13}\mu_{32} \\
& +2\mu_{20}\mu_{11}\mu_{03}\mu_{31}\mu_{04}\mu_{41} - 6\mu_{20}\mu_{11}\mu_{03}\mu_{22}^2\mu_{32} \\
& +10\mu_{20}\mu_{11}\mu_{03}\mu_{22}\mu_{13}\mu_{41} - 2\mu_{20}\mu_{11}\mu_{03}\mu_{22}\mu_{04}\mu_{50} \\
& -2\mu_{20}\mu_{11}\mu_{03}\mu_{13}^2\mu_{50} + \mu_{20}\mu_{02}\mu_{30}\mu_{40}\mu_{13}\mu_{05} \\
& -\mu_{20}\mu_{02}\mu_{30}\mu_{40}\mu_{04}\mu_{14} + \mu_{20}\mu_{02}\mu_{30}\mu_{31}\mu_{22}\mu_{05} \\
& -4\mu_{20}\mu_{02}\mu_{30}\mu_{31}\mu_{13}\mu_{14} + 3\mu_{20}\mu_{02}\mu_{30}\mu_{31}\mu_{04}\mu_{23} \\
& -\mu_{20}\mu_{02}\mu_{30}\mu_{22}^2\mu_{14} + 3\mu_{20}\mu_{02}\mu_{30}\mu_{22}\mu_{13}\mu_{23} \\
& -2\mu_{20}\mu_{02}\mu_{30}\mu_{22}\mu_{04}\mu_{32} - 2\mu_{20}\mu_{02}\mu_{21}\mu_{40}\mu_{22}\mu_{05} \\
& +\mu_{20}\mu_{02}\mu_{21}\mu_{40}\mu_{13}\mu_{14} + \mu_{20}\mu_{02}\mu_{21}\mu_{40}\mu_{04}\mu_{23} \\
& +\mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{22}\mu_{14} + 4\mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{13}\mu_{23} \\
& -5\mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{04}\mu_{32} + \mu_{20}\mu_{02}\mu_{21}\mu_{22}^2\mu_{23} \\
& -5\mu_{20}\mu_{02}\mu_{21}\mu_{22}\mu_{13}\mu_{32} + 4\mu_{20}\mu_{02}\mu_{21}\mu_{22}\mu_{04}\mu_{41} \\
& +4\mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{22}\mu_{14} - 5\mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{13}\mu_{23} \\
& +\mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{04}\mu_{32} - 5\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{22}\mu_{23} \\
& +4\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{13}\mu_{32} + \mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{04}\mu_{41} \\
& +\mu_{20}\mu_{02}\mu_{12}\mu_{22}^2\mu_{32} + \mu_{20}\mu_{02}\mu_{12}\mu_{22}\mu_{13}\mu_{41} \\
& -2\mu_{20}\mu_{02}\mu_{12}\mu_{22}\mu_{04}\mu_{50} - 2\mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{22}\mu_{23} \\
& +3\mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{13}\mu_{32} - \mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{04}\mu_{41} \\
& +3\mu_{20}\mu_{02}\mu_{03}\mu_{31}\mu_{22}\mu_{32} - 4\mu_{20}\mu_{02}\mu_{03}\mu_{31}\mu_{13}\mu_{41} \\
& +\mu_{20}\mu_{02}\mu_{03}\mu_{31}\mu_{04}\mu_{50} - \mu_{20}\mu_{02}\mu_{03}\mu_{22}^2\mu_{41} \\
& +\mu_{20}\mu_{02}\mu_{03}\mu_{22}\mu_{13}\mu_{50} + 4\mu_{11}^2\mu_{30}\mu_{31}\mu_{22}\mu_{05} - 4\mu_{11}^2\mu_{30}\mu_{31}\mu_{13}\mu_{14} \\
& -8\mu_{11}^2\mu_{30}\mu_{22}^2\mu_{14} + 12\mu_{11}^2\mu_{30}\mu_{22}\mu_{13}\mu_{23} - 4\mu_{11}^2\mu_{30}\mu_{13}^2\mu_{32} \\
& -4\mu_{11}^2\mu_{21}\mu_{31}^2\mu_{05} + 4\mu_{11}^2\mu_{21}\mu_{31}\mu_{22}\mu_{14} + 4\mu_{11}^2\mu_{21}\mu_{31}\mu_{13}\mu_{23} \\
& +8\mu_{11}^2\mu_{21}\mu_{22}^2\mu_{23} - 20\mu_{11}^2\mu_{21}\mu_{22}\mu_{13}\mu_{32} + 8\mu_{11}^2\mu_{21}\mu_{13}^2\mu_{41} \\
& +8\mu_{11}^2\mu_{12}\mu_{31}^2\mu_{14} - 20\mu_{11}^2\mu_{12}\mu_{31}\mu_{22}\mu_{23} + 4\mu_{11}^2\mu_{12}\mu_{31}\mu_{13}\mu_{32} \\
& +8\mu_{11}^2\mu_{12}\mu_{22}^2\mu_{32} + 4\mu_{11}^2\mu_{12}\mu_{22}\mu_{13}\mu_{41} - 4\mu_{11}^2\mu_{12}\mu_{13}^2\mu_{50} \\
& -4\mu_{11}^2\mu_{03}\mu_{31}^2\mu_{23} + 12\mu_{11}^2\mu_{03}\mu_{31}\mu_{22}\mu_{32} - 4\mu_{11}^2\mu_{03}\mu_{31}\mu_{13}\mu_{41}
\end{aligned}
$$

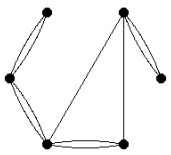
$$-8\mu_{11}^2\mu_{03}\mu_{22}^2\mu_{41}+4\mu_{11}^2\mu_{03}\mu_{22}\mu_{13}\mu_{50}-2\mu_{11}\mu_{02}\mu_{30}\mu_{40}\mu_{22}\mu_{05}$$
$$+2\mu_{11}\mu_{02}\mu_{30}\mu_{40}\mu_{13}\mu_{14}-2\mu_{11}\mu_{02}\mu_{30}\mu_{31}^2\mu_{05}$$
$$+10\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{22}\mu_{14}-6\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{13}\mu_{23}$$
$$-6\mu_{11}\mu_{02}\mu_{30}\mu_{22}^2\mu_{23}+4\mu_{11}\mu_{02}\mu_{30}\mu_{22}\mu_{13}\mu_{32}$$
$$+4\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{31}\mu_{05}-2\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{22}\mu_{14}$$
$$-2\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{13}\mu_{23}-2\mu_{11}\mu_{02}\mu_{21}\mu_{31}^2\mu_{14}$$
$$-10\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{22}\mu_{23}+10\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{13}\mu_{32}$$
$$+10\mu_{11}\mu_{02}\mu_{21}\mu_{22}^2\mu_{32}-8\mu_{11}\mu_{02}\mu_{21}\mu_{22}\mu_{13}\mu_{41}$$
$$-8\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{31}\mu_{14}+10\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{22}\mu_{23}$$
$$-2\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{13}\mu_{32}+10\mu_{11}\mu_{02}\mu_{12}\mu_{31}^2\mu_{23}$$
$$-10\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{22}\mu_{32}-2\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{13}\mu_{41}$$
$$-2\mu_{11}\mu_{02}\mu_{12}\mu_{22}^2\mu_{41}+4\mu_{11}\mu_{02}\mu_{12}\mu_{22}\mu_{13}\mu_{50}$$
$$+4\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{31}\mu_{23}-6\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{22}\mu_{32}$$
$$+2\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{13}\mu_{41}-6\mu_{11}\mu_{02}\mu_{03}\mu_{31}^2\mu_{32}$$
$$+10\mu_{11}\mu_{02}\mu_{03}\mu_{31}\mu_{22}\mu_{41}-2\mu_{11}\mu_{02}\mu_{03}\mu_{31}\mu_{13}\mu_{50}$$
$$-2\mu_{11}\mu_{02}\mu_{03}\mu_{22}^2\mu_{50}+\mu_{02}^2\mu_{30}\mu_{40}\mu_{31}\mu_{05}-\mu_{02}^2\mu_{30}\mu_{40}\mu_{22}\mu_{14}$$
$$-2\mu_{02}^2\mu_{30}\mu_{31}^2\mu_{14}+3\mu_{02}^2\mu_{30}\mu_{31}\mu_{22}\mu_{23}-\mu_{02}^2\mu_{30}\mu_{22}^2\mu_{32}$$
$$-\mu_{02}^2\mu_{21}\mu_{40}^2\mu_{05}+\mu_{02}^2\mu_{21}\mu_{40}\mu_{31}\mu_{14}+\mu_{02}^2\mu_{21}\mu_{40}\mu_{22}\mu_{23}$$
$$+2\mu_{02}^2\mu_{21}\mu_{31}^2\mu_{23}-5\mu_{02}^2\mu_{21}\mu_{31}\mu_{22}\mu_{32}+2\mu_{02}^2\mu_{21}\mu_{22}^2\mu_{41}$$
$$+2\mu_{02}^2\mu_{12}\mu_{40}^2\mu_{14}-5\mu_{02}^2\mu_{12}\mu_{40}\mu_{31}\mu_{23}+\mu_{02}^2\mu_{12}\mu_{40}\mu_{22}\mu_{32}$$
$$+2\mu_{02}^2\mu_{12}\mu_{31}^2\mu_{32}+\mu_{02}^2\mu_{12}\mu_{31}\mu_{22}\mu_{41}-\mu_{02}^2\mu_{12}\mu_{22}^2\mu_{50}$$
$$-\mu_{02}^2\mu_{03}\mu_{40}^2\mu_{23}+3\mu_{02}^2\mu_{03}\mu_{40}\mu_{31}\mu_{32}-\mu_{02}^2\mu_{03}\mu_{40}\mu_{22}\mu_{41}$$
$$-2\mu_{02}^2\mu_{03}\mu_{31}^2\mu_{41}+\mu_{02}^2\mu_{03}\mu_{31}\mu_{22}\mu_{50})/\mu_{00}^{16}$$

weight=10

structure: 2,1,2,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 |



$$
\begin{aligned}
I_{98} \;=\; & (\mu_{20}^2\mu_{30}\mu_{22}\mu_{13}\mu_{05} - \mu_{20}^2\mu_{30}\mu_{22}\mu_{04}\mu_{14} - 2\mu_{20}^2\mu_{30}\mu_{13}^2\mu_{14} \\
& +3\mu_{20}^2\mu_{30}\mu_{13}\mu_{04}\mu_{23} - \mu_{20}^2\mu_{30}\mu_{04}^2\mu_{32} - 3\mu_{20}^2\mu_{21}\mu_{22}^2\mu_{05} \\
& +9\mu_{20}^2\mu_{21}\mu_{22}\mu_{13}\mu_{14} - 3\mu_{20}^2\mu_{21}\mu_{22}\mu_{04}\mu_{23} - 6\mu_{20}^2\mu_{21}\mu_{13}^2\mu_{23} \\
& +3\mu_{20}^2\mu_{21}\mu_{13}\mu_{04}\mu_{32} + 3\mu_{20}^2\mu_{12}\mu_{31}\mu_{22}\mu_{05} - 6\mu_{20}^2\mu_{12}\mu_{31}\mu_{13}\mu_{14} \\
& +3\mu_{20}^2\mu_{12}\mu_{31}\mu_{04}\mu_{23} - 3\mu_{20}^2\mu_{12}\mu_{22}^2\mu_{14} + 6\mu_{20}^2\mu_{12}\mu_{22}\mu_{13}\mu_{23} \\
& -3\mu_{20}^2\mu_{12}\mu_{22}\mu_{04}\mu_{32} - \mu_{20}^2\mu_{03}\mu_{40}\mu_{22}\mu_{05} + 2\mu_{20}^2\mu_{03}\mu_{40}\mu_{13}\mu_{14} \\
& -\mu_{20}^2\mu_{03}\mu_{40}\mu_{04}\mu_{23} + \mu_{20}^2\mu_{03}\mu_{31}\mu_{22}\mu_{14} - 2\mu_{20}^2\mu_{03}\mu_{31}\mu_{13}\mu_{23} \\
& +\mu_{20}^2\mu_{03}\mu_{31}\mu_{04}\mu_{32} - 2\mu_{20}\mu_{11}\mu_{30}\mu_{31}\mu_{13}\mu_{05} \\
& +2\mu_{20}\mu_{11}\mu_{30}\mu_{31}\mu_{04}\mu_{14} + 2\mu_{20}\mu_{11}\mu_{30}\mu_{22}\mu_{13}\mu_{14} \\
& -2\mu_{20}\mu_{11}\mu_{30}\mu_{22}\mu_{04}\mu_{23} + 2\mu_{20}\mu_{11}\mu_{30}\mu_{13}^2\mu_{23} \\
& -4\mu_{20}\mu_{11}\mu_{30}\mu_{13}\mu_{04}\mu_{32} + 2\mu_{20}\mu_{11}\mu_{30}\mu_{04}^2\mu_{41} \\
& +6\mu_{20}\mu_{11}\mu_{21}\mu_{31}\mu_{22}\mu_{05} - 6\mu_{20}\mu_{11}\mu_{21}\mu_{31}\mu_{13}\mu_{14} \\
& -6\mu_{20}\mu_{11}\mu_{21}\mu_{22}^2\mu_{14} + 6\mu_{20}\mu_{11}\mu_{21}\mu_{22}\mu_{04}\mu_{32} + 6\mu_{20}\mu_{11}\mu_{21}\mu_{13}^2\mu_{32} \\
& -6\mu_{20}\mu_{11}\mu_{21}\mu_{13}\mu_{04}\mu_{41} - 6\mu_{20}\mu_{11}\mu_{12}\mu_{31}^2\mu_{05} \\
& +12\mu_{20}\mu_{11}\mu_{12}\mu_{31}\mu_{22}\mu_{14} + 6\mu_{20}\mu_{11}\mu_{12}\mu_{31}\mu_{13}\mu_{23} \\
& -6\mu_{20}\mu_{11}\mu_{12}\mu_{31}\mu_{04}\mu_{32} - 6\mu_{20}\mu_{11}\mu_{12}\mu_{22}^2\mu_{23} \\
& -6\mu_{20}\mu_{11}\mu_{12}\mu_{22}\mu_{13}\mu_{32} + 6\mu_{20}\mu_{11}\mu_{12}\mu_{22}\mu_{04}\mu_{41} \\
& +2\mu_{20}\mu_{11}\mu_{03}\mu_{40}\mu_{31}\mu_{05} - 2\mu_{20}\mu_{11}\mu_{03}\mu_{40}\mu_{22}\mu_{14} \\
& -2\mu_{20}\mu_{11}\mu_{03}\mu_{40}\mu_{13}\mu_{23} + 2\mu_{20}\mu_{11}\mu_{03}\mu_{40}\mu_{04}\mu_{32} \\
& -2\mu_{20}\mu_{11}\mu_{03}\mu_{31}^2\mu_{14} + 2\mu_{20}\mu_{11}\mu_{03}\mu_{31}\mu_{22}\mu_{23} \\
& +2\mu_{20}\mu_{11}\mu_{03}\mu_{31}\mu_{13}\mu_{32} - 2\mu_{20}\mu_{11}\mu_{03}\mu_{31}\mu_{04}\mu_{41} \\
& +\mu_{20}\mu_{02}\mu_{30}\mu_{40}\mu_{13}\mu_{05} - \mu_{20}\mu_{02}\mu_{30}\mu_{40}\mu_{04}\mu_{14} \\
& -2\mu_{20}\mu_{02}\mu_{30}\mu_{31}\mu_{13}\mu_{14} + 2\mu_{20}\mu_{02}\mu_{30}\mu_{31}\mu_{04}\mu_{23} \\
& +2\mu_{20}\mu_{02}\mu_{30}\mu_{22}\mu_{13}\mu_{23} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{22}\mu_{04}\mu_{32} \\
& -2\mu_{20}\mu_{02}\mu_{30}\mu_{13}^2\mu_{32} + 3\mu_{20}\mu_{02}\mu_{30}\mu_{13}\mu_{04}\mu_{41} - \mu_{20}\mu_{02}\mu_{30}\mu_{04}^2\mu_{50} \\
& -3\mu_{20}\mu_{02}\mu_{21}\mu_{40}\mu_{22}\mu_{05} + 3\mu_{20}\mu_{02}\mu_{21}\mu_{40}\mu_{13}\mu_{14} \\
& +6\mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{22}\mu_{14} - 6\mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{13}\mu_{23} \\
& -6\mu_{20}\mu_{02}\mu_{21}\mu_{22}^2\mu_{23} + 12\mu_{20}\mu_{02}\mu_{21}\mu_{22}\mu_{13}\mu_{32} \\
& -3\mu_{20}\mu_{02}\mu_{21}\mu_{22}\mu_{04}\mu_{41} - 6\mu_{20}\mu_{02}\mu_{21}\mu_{13}^2\mu_{41} \\
& +3\mu_{20}\mu_{02}\mu_{21}\mu_{13}\mu_{04}\mu_{50} + 3\mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{31}\mu_{05} \\
& -3\mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{22}\mu_{14} - 6\mu_{20}\mu_{02}\mu_{12}\mu_{31}^2\mu_{14} \\
& +12\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{22}\mu_{23} - 6\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{13}\mu_{32} \\
& +3\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{04}\mu_{41} - 6\mu_{20}\mu_{02}\mu_{12}\mu_{22}^2\mu_{32} \\
& +6\mu_{20}\mu_{02}\mu_{12}\mu_{22}\mu_{13}\mu_{41} - 3\mu_{20}\mu_{02}\mu_{12}\mu_{22}\mu_{04}\mu_{50} \\
& -\mu_{20}\mu_{02}\mu_{03}\mu_{40}^2\mu_{05} + 3\mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{31}\mu_{14} \\
& -2\mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{22}\mu_{23} + 2\mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{13}\mu_{32} \\
& -\mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{04}\mu_{41} - 2\mu_{20}\mu_{02}\mu_{03}\mu_{31}^2\mu_{23} \\
& +2\mu_{20}\mu_{02}\mu_{03}\mu_{31}\mu_{22}\mu_{32} - 2\mu_{20}\mu_{02}\mu_{03}\mu_{31}\mu_{13}\mu_{41} \\
& +\mu_{20}\mu_{02}\mu_{03}\mu_{31}\mu_{04}\mu_{50} + 4\mu_{11}^2\mu_{30}\mu_{31}\mu_{13}\mu_{14} - 4\mu_{11}^2\mu_{30}\mu_{31}\mu_{04}\mu_{23} \\
& -8\mu_{11}^2\mu_{30}\mu_{22}\mu_{13}\mu_{23} + 8\mu_{11}^2\mu_{30}\mu_{22}\mu_{04}\mu_{32} + 4\mu_{11}^2\mu_{30}\mu_{13}^2\mu_{32} \\
& -4\mu_{11}^2\mu_{30}\mu_{13}\mu_{04}\mu_{41} - 12\mu_{11}^2\mu_{21}\mu_{31}\mu_{22}\mu_{14} + 12\mu_{11}^2\mu_{21}\mu_{31}\mu_{13}\mu_{23} \\
& +24\mu_{11}^2\mu_{21}\mu_{22}^2\mu_{23} - 36\mu_{11}^2\mu_{21}\mu_{22}\mu_{13}\mu_{32} + 12\mu_{11}^2\mu_{21}\mu_{13}^2\mu_{41} \\
& +12\mu_{11}^2\mu_{12}\mu_{31}^2\mu_{14} - 36\mu_{11}^2\mu_{12}\mu_{31}\mu_{22}\mu_{23} + 12\mu_{11}^2\mu_{12}\mu_{31}\mu_{13}\mu_{32} \\
& +24\mu_{11}^2\mu_{12}\mu_{22}^2\mu_{32} - 12\mu_{11}^2\mu_{12}\mu_{22}\mu_{13}\mu_{41} - 4\mu_{11}^2\mu_{03}\mu_{40}\mu_{31}\mu_{14} \\
& +8\mu_{11}^2\mu_{03}\mu_{40}\mu_{22}\mu_{23} - 4\mu_{11}^2\mu_{03}\mu_{40}\mu_{13}\mu_{32} + 4\mu_{11}^2\mu_{03}\mu_{31}^2\mu_{23} \\
& -8\mu_{11}^2\mu_{03}\mu_{31}\mu_{22}\mu_{32} + 4\mu_{11}^2\mu_{03}\mu_{31}\mu_{13}\mu_{41} - 2\mu_{11}\mu_{02}\mu_{30}\mu_{40}\mu_{13}\mu_{14}
\end{aligned}
$$

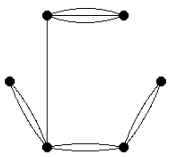
$$
\begin{aligned}
&+2\mu_{11}\mu_{02}\mu_{30}\mu_{40}\mu_{04}\mu_{23} + 2\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{13}\mu_{23}\\
&-2\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{04}\mu_{32} + 2\mu_{11}\mu_{02}\mu_{30}\mu_{22}\mu_{13}\mu_{32}\\
&-2\mu_{11}\mu_{02}\mu_{30}\mu_{22}\mu_{04}\mu_{41} - 2\mu_{11}\mu_{02}\mu_{30}\mu_{13}^2\mu_{41}\\
&+2\mu_{11}\mu_{02}\mu_{30}\mu_{13}\mu_{04}\mu_{50} + 6\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{22}\mu_{14}\\
&-6\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{13}\mu_{23} - 6\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{22}\mu_{23}\\
&+6\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{13}\mu_{32} - 6\mu_{11}\mu_{02}\mu_{21}\mu_{22}^2\mu_{32}\\
&+12\mu_{11}\mu_{02}\mu_{21}\mu_{22}\mu_{13}\mu_{41} - 6\mu_{11}\mu_{02}\mu_{21}\mu_{13}^2\mu_{50}\\
&-6\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{31}\mu_{14} + 6\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{22}\mu_{23}\\
&+6\mu_{11}\mu_{02}\mu_{12}\mu_{31}^2\mu_{23} - 6\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{13}\mu_{41} - 6\mu_{11}\mu_{02}\mu_{12}\mu_{22}^2\mu_{41}\\
&+6\mu_{11}\mu_{02}\mu_{12}\mu_{22}\mu_{13}\mu_{50} + 2\mu_{11}\mu_{02}\mu_{03}\mu_{40}^2\mu_{14}\\
&-4\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{31}\mu_{23} - 2\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{22}\mu_{32}\\
&+2\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{13}\mu_{41} + 2\mu_{11}\mu_{02}\mu_{03}\mu_{31}^2\mu_{32}\\
&+2\mu_{11}\mu_{02}\mu_{03}\mu_{31}\mu_{22}\mu_{41} - 2\mu_{11}\mu_{02}\mu_{03}\mu_{31}\mu_{13}\mu_{50}\\
&+\mu_{02}^2\mu_{30}\mu_{40}\mu_{13}\mu_{23} - \mu_{02}^2\mu_{30}\mu_{40}\mu_{04}\mu_{32} - 2\mu_{02}^2\mu_{30}\mu_{31}\mu_{13}\mu_{32}\\
&+2\mu_{02}^2\mu_{30}\mu_{31}\mu_{04}\mu_{41} + \mu_{02}^2\mu_{30}\mu_{22}\mu_{13}\mu_{41} - \mu_{02}^2\mu_{30}\mu_{22}\mu_{04}\mu_{50}\\
&-3\mu_{02}^2\mu_{21}\mu_{40}\mu_{22}\mu_{23} + 3\mu_{02}^2\mu_{21}\mu_{40}\mu_{13}\mu_{32} + 6\mu_{02}^2\mu_{21}\mu_{31}\mu_{22}\mu_{32}\\
&-6\mu_{02}^2\mu_{21}\mu_{31}\mu_{13}\mu_{41} - 3\mu_{02}^2\mu_{21}\mu_{22}^2\mu_{41} + 3\mu_{02}^2\mu_{21}\mu_{22}\mu_{13}\mu_{50}\\
&+3\mu_{02}^2\mu_{12}\mu_{40}\mu_{31}\mu_{23} - 3\mu_{02}^2\mu_{12}\mu_{40}\mu_{22}\mu_{32} - 6\mu_{02}^2\mu_{12}\mu_{31}^2\mu_{32}\\
&+9\mu_{02}^2\mu_{12}\mu_{31}\mu_{22}\mu_{41} - 3\mu_{02}^2\mu_{12}\mu_{22}^2\mu_{50} - \mu_{02}^2\mu_{03}\mu_{40}^2\mu_{23}\\
&+3\mu_{02}^2\mu_{03}\mu_{40}\mu_{31}\mu_{32} - \mu_{02}^2\mu_{03}\mu_{40}\mu_{22}\mu_{41} - 2\mu_{02}^2\mu_{03}\mu_{31}^2\mu_{41}\\
&+\mu_{02}^2\mu_{03}\mu_{31}\mu_{22}\mu_{50})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 2,1,2,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |



$$
\begin{aligned}
I_{99} \;=\; & (\mu_{20}^2\mu_{30}\mu_{22}\mu_{13}\mu_{05} - \mu_{20}^2\mu_{30}\mu_{22}\mu_{04}\mu_{14} - 2\mu_{20}^2\mu_{30}\mu_{13}^2\mu_{14} \\
& +3\mu_{20}^2\mu_{30}\mu_{13}\mu_{04}\mu_{23} - \mu_{20}^2\mu_{30}\mu_{04}^2\mu_{32} - 2\mu_{20}^2\mu_{21}\mu_{31}\mu_{13}\mu_{05} \\
& +2\mu_{20}^2\mu_{21}\mu_{31}\mu_{04}\mu_{14} - \mu_{20}^2\mu_{21}\mu_{22}^2\mu_{05} + 7\mu_{20}^2\mu_{21}\mu_{22}\mu_{13}\mu_{14} \\
& -5\mu_{20}^2\mu_{21}\mu_{22}\mu_{04}\mu_{23} - 4\mu_{20}^2\mu_{21}\mu_{13}^2\mu_{23} + 3\mu_{20}^2\mu_{21}\mu_{13}\mu_{04}\mu_{32} \\
& +\mu_{20}^2\mu_{12}\mu_{40}\mu_{13}\mu_{05} - \mu_{20}^2\mu_{12}\mu_{40}\mu_{04}\mu_{14} + 2\mu_{20}^2\mu_{12}\mu_{31}\mu_{22}\mu_{05} \\
& -4\mu_{20}^2\mu_{12}\mu_{31}\mu_{13}\mu_{14} + 2\mu_{20}^2\mu_{12}\mu_{31}\mu_{04}\mu_{23} - 4\mu_{20}^2\mu_{12}\mu_{22}^2\mu_{14} \\
& +7\mu_{20}^2\mu_{12}\mu_{22}\mu_{13}\mu_{23} - \mu_{20}^2\mu_{12}\mu_{22}\mu_{04}\mu_{32} - 2\mu_{20}^2\mu_{12}\mu_{13}^2\mu_{32} \\
& -\mu_{20}^2\mu_{03}\mu_{40}\mu_{22}\mu_{05} + \mu_{20}^2\mu_{03}\mu_{40}\mu_{13}\mu_{14} + 2\mu_{20}^2\mu_{03}\mu_{31}\mu_{22}\mu_{14} \\
& -2\mu_{20}^2\mu_{03}\mu_{31}\mu_{13}\mu_{23} - \mu_{20}^2\mu_{03}\mu_{22}^2\mu_{23} + \mu_{20}^2\mu_{03}\mu_{22}\mu_{13}\mu_{32} \\
& -2\mu_{20}\mu_{11}\mu_{30}\mu_{22}^2\mu_{05} + 4\mu_{20}\mu_{11}\mu_{30}\mu_{22}\mu_{13}\mu_{14} \\
& -4\mu_{20}\mu_{11}\mu_{30}\mu_{13}\mu_{04}\mu_{32} + 2\mu_{20}\mu_{11}\mu_{30}\mu_{04}^2\mu_{41} \\
& +6\mu_{20}\mu_{11}\mu_{21}\mu_{31}\mu_{22}\mu_{05} - 4\mu_{20}\mu_{11}\mu_{21}\mu_{31}\mu_{13}\mu_{14} \\
& -2\mu_{20}\mu_{11}\mu_{21}\mu_{31}\mu_{04}\mu_{23} - 8\mu_{20}\mu_{11}\mu_{21}\mu_{22}^2\mu_{14} \\
& +2\mu_{20}\mu_{11}\mu_{21}\mu_{22}\mu_{13}\mu_{23} + 8\mu_{20}\mu_{11}\mu_{21}\mu_{22}\mu_{04}\mu_{32} \\
& +4\mu_{20}\mu_{11}\mu_{21}\mu_{13}^2\mu_{32} - 6\mu_{20}\mu_{11}\mu_{21}\mu_{13}\mu_{04}\mu_{41} \\
& -2\mu_{20}\mu_{11}\mu_{12}\mu_{40}\mu_{22}\mu_{05} + 2\mu_{20}\mu_{11}\mu_{12}\mu_{40}\mu_{04}\mu_{23} \\
& -4\mu_{20}\mu_{11}\mu_{12}\mu_{31}^2\mu_{05} + 12\mu_{20}\mu_{11}\mu_{12}\mu_{31}\mu_{22}\mu_{14} \\
& -4\mu_{20}\mu_{11}\mu_{12}\mu_{31}\mu_{04}\mu_{32} - 2\mu_{20}\mu_{11}\mu_{12}\mu_{22}^2\mu_{23} \\
& -8\mu_{20}\mu_{11}\mu_{12}\mu_{22}\mu_{13}\mu_{32} + 2\mu_{20}\mu_{11}\mu_{12}\mu_{22}\mu_{04}\mu_{41} \\
& +4\mu_{20}\mu_{11}\mu_{12}\mu_{13}^2\mu_{41} + 2\mu_{20}\mu_{11}\mu_{03}\mu_{40}\mu_{31}\mu_{05} \\
& -2\mu_{20}\mu_{11}\mu_{03}\mu_{40}\mu_{13}\mu_{23} - 4\mu_{20}\mu_{11}\mu_{03}\mu_{31}^2\mu_{14} \\
& +2\mu_{20}\mu_{11}\mu_{03}\mu_{31}\mu_{22}\mu_{23} + 4\mu_{20}\mu_{11}\mu_{03}\mu_{31}\mu_{13}\mu_{32} \\
& -2\mu_{20}\mu_{11}\mu_{03}\mu_{22}\mu_{13}\mu_{41} + \mu_{20}\mu_{02}\mu_{30}\mu_{31}\mu_{22}\mu_{05} \\
& -2\mu_{20}\mu_{02}\mu_{30}\mu_{31}\mu_{13}\mu_{14} + \mu_{20}\mu_{02}\mu_{30}\mu_{31}\mu_{04}\mu_{23} \\
& -\mu_{20}\mu_{02}\mu_{30}\mu_{22}^2\mu_{14} + 3\mu_{20}\mu_{02}\mu_{30}\mu_{22}\mu_{13}\mu_{23} \\
& -2\mu_{20}\mu_{02}\mu_{30}\mu_{22}\mu_{04}\mu_{32} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{13}^2\mu_{32} \\
& +3\mu_{20}\mu_{02}\mu_{30}\mu_{13}\mu_{04}\mu_{41} - \mu_{20}\mu_{02}\mu_{30}\mu_{04}^2\mu_{50} \\
& -\mu_{20}\mu_{02}\mu_{21}\mu_{40}\mu_{22}\mu_{05} + 2\mu_{20}\mu_{02}\mu_{21}\mu_{40}\mu_{13}\mu_{14} \\
& -\mu_{20}\mu_{02}\mu_{21}\mu_{40}\mu_{04}\mu_{23} - 2\mu_{20}\mu_{02}\mu_{21}\mu_{31}^2\mu_{05} \\
& +7\mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{22}\mu_{14} - 6\mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{13}\mu_{23} \\
& +3\mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{04}\mu_{32} - 5\mu_{20}\mu_{02}\mu_{21}\mu_{22}^2\mu_{23} \\
& +9\mu_{20}\mu_{02}\mu_{21}\mu_{22}\mu_{13}\mu_{32} - 5\mu_{20}\mu_{02}\mu_{21}\mu_{22}\mu_{04}\mu_{41} \\
& -4\mu_{20}\mu_{02}\mu_{21}\mu_{13}^2\mu_{41} + 3\mu_{20}\mu_{02}\mu_{21}\mu_{13}\mu_{04}\mu_{50} \\
& +3\mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{31}\mu_{05} - 5\mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{22}\mu_{14} \\
& +3\mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{13}\mu_{23} - \mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{04}\mu_{32} \\
& -4\mu_{20}\mu_{02}\mu_{12}\mu_{31}^2\mu_{14} + 9\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{22}\mu_{23} \\
& -6\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{13}\mu_{32} + 2\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{04}\mu_{41} \\
& -5\mu_{20}\mu_{02}\mu_{12}\mu_{22}^2\mu_{32} + 7\mu_{20}\mu_{02}\mu_{12}\mu_{22}\mu_{13}\mu_{41} \\
& -\mu_{20}\mu_{02}\mu_{12}\mu_{22}\mu_{04}\mu_{50} - 2\mu_{20}\mu_{02}\mu_{12}\mu_{13}^2\mu_{50} - \mu_{20}\mu_{02}\mu_{03}\mu_{40}^2\mu_{05} \\
& +3\mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{31}\mu_{14} - 2\mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{22}\mu_{23} \\
& +\mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{13}\mu_{32} - 2\mu_{20}\mu_{02}\mu_{03}\mu_{31}^2\mu_{23} \\
& +3\mu_{20}\mu_{02}\mu_{03}\mu_{31}\mu_{22}\mu_{32} - 2\mu_{20}\mu_{02}\mu_{03}\mu_{31}\mu_{13}\mu_{41} \\
& -\mu_{20}\mu_{02}\mu_{03}\mu_{22}^2\mu_{41} + \mu_{20}\mu_{02}\mu_{03}\mu_{22}\mu_{13}\mu_{50} + 4\mu_{11}^2\mu_{30}\mu_{22}^2\mu_{14} \\
& -12\mu_{11}^2\mu_{30}\mu_{22}\mu_{13}\mu_{23} + 4\mu_{11}^2\mu_{30}\mu_{22}\mu_{04}\mu_{32} + 8\mu_{11}^2\mu_{30}\mu_{13}^2\mu_{32} \\
& -4\mu_{11}^2\mu_{30}\mu_{13}\mu_{04}\mu_{41} - 12\mu_{11}^2\mu_{21}\mu_{31}\mu_{22}\mu_{14} + 16\mu_{11}^2\mu_{21}\mu_{31}\mu_{13}\mu_{23} \\
& -4\mu_{11}^2\mu_{21}\mu_{31}\mu_{04}\mu_{32} + 20\mu_{11}^2\mu_{21}\mu_{22}^2\mu_{23} - 32\mu_{11}^2\mu_{21}\mu_{22}\mu_{13}\mu_{32}
\end{aligned}
$$

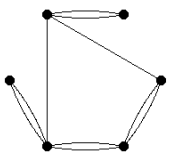
$$
\begin{aligned}
&+4\mu_{11}^2\mu_{21}\mu_{22}\mu_{04}\mu_{41} + 8\mu_{11}^2\mu_{21}\mu_{13}^2\mu_{41} + 4\mu_{11}^2\mu_{12}\mu_{40}\mu_{22}\mu_{14}\\
&-4\mu_{11}^2\mu_{12}\mu_{40}\mu_{13}\mu_{23} + 8\mu_{11}^2\mu_{12}\mu_{31}^2\mu_{14} - 32\mu_{11}^2\mu_{12}\mu_{31}\mu_{22}\mu_{23}\\
&+16\mu_{11}^2\mu_{12}\mu_{31}\mu_{13}\mu_{32} + 20\mu_{11}^2\mu_{12}\mu_{22}^2\mu_{32} - 12\mu_{11}^2\mu_{12}\mu_{22}\mu_{13}\mu_{41}\\
&-4\mu_{11}^2\mu_{03}\mu_{40}\mu_{31}\mu_{14} + 4\mu_{11}^2\mu_{03}\mu_{40}\mu_{22}\mu_{23} + 8\mu_{11}^2\mu_{03}\mu_{31}^2\mu_{23}\\
&-12\mu_{11}^2\mu_{03}\mu_{31}\mu_{22}\mu_{32} + 4\mu_{11}^2\mu_{03}\mu_{22}^2\mu_{41} - 2\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{22}\mu_{14}\\
&+4\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{13}\mu_{23} - 2\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{04}\mu_{32}\\
&+2\mu_{11}\mu_{02}\mu_{30}\mu_{22}\mu_{13}\mu_{32} - 4\mu_{11}\mu_{02}\mu_{30}\mu_{13}^2\mu_{41}\\
&+2\mu_{11}\mu_{02}\mu_{30}\mu_{13}\mu_{04}\mu_{50} + 2\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{22}\mu_{14}\\
&-4\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{13}\mu_{23} + 2\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{04}\mu_{32}\\
&+4\mu_{11}\mu_{02}\mu_{21}\mu_{31}^2\mu_{14} - 8\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{22}\mu_{23} - 2\mu_{11}\mu_{02}\mu_{21}\mu_{22}^2\mu_{32}\\
&+12\mu_{11}\mu_{02}\mu_{21}\mu_{22}\mu_{13}\mu_{41} - 2\mu_{11}\mu_{02}\mu_{21}\mu_{22}\mu_{04}\mu_{50}\\
&-4\mu_{11}\mu_{02}\mu_{21}\mu_{13}^2\mu_{50} - 6\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{31}\mu_{14}\\
&+8\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{22}\mu_{23} - 2\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{13}\mu_{32}\\
&+4\mu_{11}\mu_{02}\mu_{12}\mu_{31}^2\mu_{23} + 2\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{22}\mu_{32}\\
&-4\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{13}\mu_{41} - 8\mu_{11}\mu_{02}\mu_{12}\mu_{22}^2\mu_{41}\\
&+6\mu_{11}\mu_{02}\mu_{12}\mu_{22}\mu_{13}\mu_{50} + 2\mu_{11}\mu_{02}\mu_{03}\mu_{40}^2\mu_{14}\\
&-4\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{31}\mu_{23} + 4\mu_{11}\mu_{02}\mu_{03}\mu_{31}\mu_{22}\mu_{41}\\
&-2\mu_{11}\mu_{02}\mu_{03}\mu_{22}^2\mu_{50} + \mu_{02}^2\mu_{30}\mu_{31}\mu_{22}\mu_{23} - 2\mu_{02}^2\mu_{30}\mu_{31}\mu_{13}\mu_{32}\\
&+\mu_{02}^2\mu_{30}\mu_{31}\mu_{04}\mu_{41} - \mu_{02}^2\mu_{30}\mu_{22}^2\mu_{32} + 2\mu_{02}^2\mu_{30}\mu_{22}\mu_{13}\mu_{41}\\
&-\mu_{02}^2\mu_{30}\mu_{22}\mu_{04}\mu_{50} - \mu_{02}^2\mu_{21}\mu_{40}\mu_{22}\mu_{23} + 2\mu_{02}^2\mu_{21}\mu_{40}\mu_{13}\mu_{32}\\
&-\mu_{02}^2\mu_{21}\mu_{40}\mu_{04}\mu_{41} - 2\mu_{02}^2\mu_{21}\mu_{31}^2\mu_{23} + 7\mu_{02}^2\mu_{21}\mu_{31}\mu_{22}\mu_{32}\\
&-4\mu_{02}^2\mu_{21}\mu_{31}\mu_{13}\mu_{41} + \mu_{02}^2\mu_{21}\mu_{31}\mu_{04}\mu_{50} - 4\mu_{02}^2\mu_{21}\mu_{22}^2\mu_{41}\\
&+2\mu_{02}^2\mu_{21}\mu_{22}\mu_{13}\mu_{50} + 3\mu_{02}^2\mu_{12}\mu_{40}\mu_{31}\mu_{23} - 5\mu_{02}^2\mu_{12}\mu_{40}\mu_{22}\mu_{32}\\
&+2\mu_{02}^2\mu_{12}\mu_{40}\mu_{13}\mu_{41} - 4\mu_{02}^2\mu_{12}\mu_{31}^2\mu_{32} + 7\mu_{02}^2\mu_{12}\mu_{31}\mu_{22}\mu_{41}\\
&-2\mu_{02}^2\mu_{12}\mu_{31}\mu_{13}\mu_{50} - \mu_{02}^2\mu_{12}\mu_{22}^2\mu_{50} - \mu_{02}^2\mu_{03}\mu_{40}^2\mu_{23}\\
&+3\mu_{02}^2\mu_{03}\mu_{40}\mu_{31}\mu_{32} - \mu_{02}^2\mu_{03}\mu_{40}\mu_{22}\mu_{41} - 2\mu_{02}^2\mu_{03}\mu_{31}^2\mu_{41}\\
&+\mu_{02}^2\mu_{03}\mu_{31}\mu_{22}\mu_{50})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 2,1,2,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 6 |



$$
\begin{aligned}
I_{100} \;=\; & (\mu_{20}^2\mu_{12}\mu_{40}\mu_{13}\mu_{05} - \mu_{20}^2\mu_{12}\mu_{40}\mu_{04}\mu_{14} - \mu_{20}^2\mu_{12}\mu_{31}\mu_{22}\mu_{05} \\
& -2\mu_{20}^2\mu_{12}\mu_{31}\mu_{13}\mu_{14} + 3\mu_{20}^2\mu_{12}\mu_{31}\mu_{04}\mu_{23} + 3\mu_{20}^2\mu_{12}\mu_{22}^2\mu_{14} \\
& -3\mu_{20}^2\mu_{12}\mu_{22}\mu_{13}\mu_{23} - 2\mu_{20}^2\mu_{12}\mu_{22}\mu_{04}\mu_{32} + 2\mu_{20}^2\mu_{12}\mu_{13}^2\mu_{32} \\
& -\mu_{20}^2\mu_{03}\mu_{40}\mu_{13}\mu_{14} + \mu_{20}^2\mu_{03}\mu_{40}\mu_{04}\mu_{23} + \mu_{20}^2\mu_{03}\mu_{31}\mu_{22}\mu_{14} \\
& +2\mu_{20}^2\mu_{03}\mu_{31}\mu_{13}\mu_{23} - 3\mu_{20}^2\mu_{03}\mu_{31}\mu_{04}\mu_{32} - 3\mu_{20}^2\mu_{03}\mu_{22}^2\mu_{23} \\
& +3\mu_{20}^2\mu_{03}\mu_{22}\mu_{13}\mu_{32} + 2\mu_{20}^2\mu_{03}\mu_{22}\mu_{04}\mu_{41} - 2\mu_{20}^2\mu_{03}\mu_{13}^2\mu_{41} \\
& -2\mu_{20}\mu_{11}\mu_{21}\mu_{40}\mu_{13}\mu_{05} + 2\mu_{20}\mu_{11}\mu_{21}\mu_{40}\mu_{04}\mu_{14} \\
& +2\mu_{20}\mu_{11}\mu_{21}\mu_{31}\mu_{22}\mu_{05} + 4\mu_{20}\mu_{11}\mu_{21}\mu_{31}\mu_{13}\mu_{14} \\
& -6\mu_{20}\mu_{11}\mu_{21}\mu_{31}\mu_{04}\mu_{23} - 6\mu_{20}\mu_{11}\mu_{21}\mu_{22}^2\mu_{14} \\
& +6\mu_{20}\mu_{11}\mu_{21}\mu_{22}\mu_{13}\mu_{23} + 4\mu_{20}\mu_{11}\mu_{21}\mu_{22}\mu_{04}\mu_{32} \\
& -4\mu_{20}\mu_{11}\mu_{21}\mu_{13}^2\mu_{32} - 2\mu_{20}\mu_{11}\mu_{12}\mu_{40}\mu_{22}\mu_{05} \\
& +4\mu_{20}\mu_{11}\mu_{12}\mu_{40}\mu_{13}\mu_{14} - 2\mu_{20}\mu_{11}\mu_{12}\mu_{40}\mu_{04}\mu_{23} \\
& +2\mu_{20}\mu_{11}\mu_{12}\mu_{31}^2\mu_{05} - 4\mu_{20}\mu_{11}\mu_{12}\mu_{31}\mu_{22}\mu_{14} \\
& -4\mu_{20}\mu_{11}\mu_{12}\mu_{31}\mu_{13}\mu_{23} + 4\mu_{20}\mu_{11}\mu_{12}\mu_{31}\mu_{04}\mu_{32} \\
& +6\mu_{20}\mu_{11}\mu_{12}\mu_{22}^2\mu_{23} - 4\mu_{20}\mu_{11}\mu_{12}\mu_{22}\mu_{13}\mu_{32} \\
& -2\mu_{20}\mu_{11}\mu_{12}\mu_{22}\mu_{04}\mu_{41} + 2\mu_{20}\mu_{11}\mu_{12}\mu_{13}^2\mu_{41} \\
& +2\mu_{20}\mu_{11}\mu_{03}\mu_{40}\mu_{22}\mu_{14} - 2\mu_{20}\mu_{11}\mu_{03}\mu_{40}\mu_{13}\mu_{23} \\
& -2\mu_{20}\mu_{11}\mu_{03}\mu_{31}^2\mu_{14} + 2\mu_{20}\mu_{11}\mu_{03}\mu_{31}\mu_{22}\mu_{23} \\
& +2\mu_{20}\mu_{11}\mu_{03}\mu_{31}\mu_{04}\mu_{41} - 2\mu_{20}\mu_{11}\mu_{03}\mu_{22}\mu_{13}\mu_{41} \\
& -2\mu_{20}\mu_{11}\mu_{03}\mu_{22}\mu_{04}\mu_{50} + 2\mu_{20}\mu_{11}\mu_{03}\mu_{13}^2\mu_{50} \\
& +\mu_{20}\mu_{02}\mu_{30}\mu_{40}\mu_{13}\mu_{05} - \mu_{20}\mu_{02}\mu_{30}\mu_{40}\mu_{04}\mu_{14} \\
& -\mu_{20}\mu_{02}\mu_{30}\mu_{31}\mu_{22}\mu_{05} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{31}\mu_{13}\mu_{14} \\
& +3\mu_{20}\mu_{02}\mu_{30}\mu_{31}\mu_{04}\mu_{23} + 3\mu_{20}\mu_{02}\mu_{30}\mu_{22}^2\mu_{14} \\
& -3\mu_{20}\mu_{02}\mu_{30}\mu_{22}\mu_{13}\mu_{23} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{22}\mu_{04}\mu_{32} \\
& +2\mu_{20}\mu_{02}\mu_{30}\mu_{13}^2\mu_{32} - \mu_{20}\mu_{02}\mu_{21}\mu_{40}\mu_{13}\mu_{14} \\
& +\mu_{20}\mu_{02}\mu_{21}\mu_{40}\mu_{04}\mu_{23} + \mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{22}\mu_{14} \\
& +2\mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{13}\mu_{23} - 3\mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{04}\mu_{32} \\
& -3\mu_{20}\mu_{02}\mu_{21}\mu_{22}^2\mu_{23} + 3\mu_{20}\mu_{02}\mu_{21}\mu_{22}\mu_{13}\mu_{32} \\
& +2\mu_{20}\mu_{02}\mu_{21}\mu_{22}\mu_{04}\mu_{41} - 2\mu_{20}\mu_{02}\mu_{21}\mu_{13}^2\mu_{41} \\
& +2\mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{22}\mu_{14} - 3\mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{13}\mu_{23} \\
& +\mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{04}\mu_{32} - 2\mu_{20}\mu_{02}\mu_{12}\mu_{31}^2\mu_{14} \\
& +3\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{22}\mu_{23} + 2\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{13}\mu_{32} \\
& -\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{04}\mu_{41} - 3\mu_{20}\mu_{02}\mu_{12}\mu_{22}^2\mu_{32} \\
& +\mu_{20}\mu_{02}\mu_{12}\mu_{22}\mu_{13}\mu_{41} - 2\mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{22}\mu_{23} \\
& +3\mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{13}\mu_{32} - \mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{04}\mu_{41} \\
& +2\mu_{20}\mu_{02}\mu_{03}\mu_{31}^2\mu_{23} - 3\mu_{20}\mu_{02}\mu_{03}\mu_{31}\mu_{22}\mu_{32} \\
& -2\mu_{20}\mu_{02}\mu_{03}\mu_{31}\mu_{13}\mu_{41} + \mu_{20}\mu_{02}\mu_{03}\mu_{31}\mu_{04}\mu_{50} \\
& +3\mu_{20}\mu_{02}\mu_{03}\mu_{22}^2\mu_{41} - \mu_{20}\mu_{02}\mu_{03}\mu_{22}\mu_{13}\mu_{50} + 4\mu_{11}^2\mu_{21}\mu_{40}\mu_{22}\mu_{05} \\
& -4\mu_{11}^2\mu_{21}\mu_{40}\mu_{13}\mu_{14} - 4\mu_{11}^2\mu_{21}\mu_{31}^2\mu_{05} + 4\mu_{11}^2\mu_{21}\mu_{31}\mu_{22}\mu_{14} \\
& +4\mu_{11}^2\mu_{21}\mu_{31}\mu_{04}\mu_{32} - 4\mu_{11}^2\mu_{21}\mu_{22}\mu_{13}\mu_{32} - 4\mu_{11}^2\mu_{21}\mu_{22}\mu_{04}\mu_{41} \\
& +4\mu_{11}^2\mu_{21}\mu_{13}^2\mu_{41} - 4\mu_{11}^2\mu_{12}\mu_{40}\mu_{22}\mu_{14} + 4\mu_{11}^2\mu_{12}\mu_{40}\mu_{13}\mu_{23} \\
& +4\mu_{11}^2\mu_{12}\mu_{31}^2\mu_{14} - 4\mu_{11}^2\mu_{12}\mu_{31}\mu_{22}\mu_{23} - 4\mu_{11}^2\mu_{12}\mu_{31}\mu_{04}\mu_{41} \\
& +4\mu_{11}^2\mu_{12}\mu_{22}\mu_{13}\mu_{41} + 4\mu_{11}^2\mu_{12}\mu_{22}\mu_{04}\mu_{50} - 4\mu_{11}^2\mu_{12}\mu_{13}^2\mu_{50} \\
& -2\mu_{11}\mu_{02}\mu_{30}\mu_{40}\mu_{22}\mu_{05} + 2\mu_{11}\mu_{02}\mu_{30}\mu_{40}\mu_{13}\mu_{14} \\
& +2\mu_{11}\mu_{02}\mu_{30}\mu_{31}^2\mu_{05} - 2\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{22}\mu_{14} \\
& -2\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{04}\mu_{32} + 2\mu_{11}\mu_{02}\mu_{30}\mu_{22}\mu_{13}\mu_{32}
\end{aligned}
$$

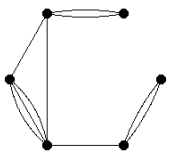
$$
\begin{aligned}
&+2\mu_{11}\mu_{02}\mu_{30}\mu_{22}\mu_{04}\mu_{41} - 2\mu_{11}\mu_{02}\mu_{30}\mu_{13}^2\mu_{41} \\
&-2\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{22}\mu_{14} + 4\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{13}\mu_{23} \\
&-2\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{04}\mu_{32} + 2\mu_{11}\mu_{02}\mu_{21}\mu_{31}^2\mu_{14} \\
&-4\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{22}\mu_{23} - 4\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{13}\mu_{32} \\
&+4\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{04}\mu_{41} + 6\mu_{11}\mu_{02}\mu_{21}\mu_{22}^2\mu_{32} \\
&-4\mu_{11}\mu_{02}\mu_{21}\mu_{22}\mu_{13}\mu_{41} - 2\mu_{11}\mu_{02}\mu_{21}\mu_{22}\mu_{04}\mu_{50} \\
&+2\mu_{11}\mu_{02}\mu_{21}\mu_{13}^2\mu_{50} + 4\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{22}\mu_{23} \\
&-6\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{13}\mu_{32} + 2\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{04}\mu_{41} \\
&-4\mu_{11}\mu_{02}\mu_{12}\mu_{31}^2\mu_{23} + 6\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{22}\mu_{32} \\
&+4\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{13}\mu_{41} - 2\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{04}\mu_{50} \\
&-6\mu_{11}\mu_{02}\mu_{12}\mu_{22}^2\mu_{41} + 2\mu_{11}\mu_{02}\mu_{12}\mu_{22}\mu_{13}\mu_{50} + 2\mu_{02}^2\mu_{30}\mu_{40}\mu_{22}\mu_{14} \\
&-3\mu_{02}^2\mu_{30}\mu_{40}\mu_{13}\mu_{23} + \mu_{02}^2\mu_{30}\mu_{40}\mu_{04}\mu_{32} - 2\mu_{02}^2\mu_{30}\mu_{31}^2\mu_{14} \\
&+3\mu_{02}^2\mu_{30}\mu_{31}\mu_{22}\mu_{23} + 2\mu_{02}^2\mu_{30}\mu_{31}\mu_{13}\mu_{32} - \mu_{02}^2\mu_{30}\mu_{31}\mu_{04}\mu_{41} \\
&-3\mu_{02}^2\mu_{30}\mu_{22}^2\mu_{32} + \mu_{02}^2\mu_{30}\mu_{22}\mu_{13}\mu_{41} - 2\mu_{02}^2\mu_{21}\mu_{40}\mu_{22}\mu_{23} \\
&+3\mu_{02}^2\mu_{21}\mu_{40}\mu_{13}\mu_{32} - \mu_{02}^2\mu_{21}\mu_{40}\mu_{04}\mu_{41} + 2\mu_{02}^2\mu_{21}\mu_{31}^2\mu_{23} \\
&-3\mu_{02}^2\mu_{21}\mu_{31}\mu_{22}\mu_{32} - 2\mu_{02}^2\mu_{21}\mu_{31}\mu_{13}\mu_{41} + \mu_{02}^2\mu_{21}\mu_{31}\mu_{04}\mu_{50} \\
&+3\mu_{02}^2\mu_{21}\mu_{22}^2\mu_{41} - \mu_{02}^2\mu_{21}\mu_{22}\mu_{13}\mu_{50})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 2,1,2,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| 2 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 |



$$
\begin{aligned}
I_{101} \;=\; & (\mu_{20}\mu_{30}^2\mu_{12}\mu_{13}\mu_{05} - \mu_{20}\mu_{30}^2\mu_{12}\mu_{04}\mu_{14} - \mu_{20}\mu_{30}^2\mu_{03}\mu_{13}\mu_{14} \\
& +\mu_{20}\mu_{30}^2\mu_{03}\mu_{04}\mu_{23} - 3\mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{05} \\
& +3\mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{04}\mu_{23} + 3\mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{22}\mu_{14} \\
& -3\mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{04}\mu_{32} + 3\mu_{20}\mu_{30}\mu_{12}^2\mu_{31}\mu_{05} - 3\mu_{20}\mu_{30}\mu_{12}^2\mu_{22}\mu_{14} \\
& +3\mu_{20}\mu_{30}\mu_{12}^2\mu_{13}\mu_{23} - 3\mu_{20}\mu_{30}\mu_{12}^2\mu_{04}\mu_{32} - \mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{40}\mu_{05} \\
& -2\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{31}\mu_{14} + 3\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{22}\mu_{23} \\
& -4\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{13}\mu_{32} + 4\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{04}\mu_{41} \\
& +\mu_{20}\mu_{30}\mu_{03}^2\mu_{40}\mu_{14} - \mu_{20}\mu_{30}\mu_{03}^2\mu_{31}\mu_{23} + \mu_{20}\mu_{30}\mu_{03}^2\mu_{13}\mu_{41} \\
& -\mu_{20}\mu_{30}\mu_{03}^2\mu_{04}\mu_{50} + 9\mu_{20}\mu_{21}^2\mu_{12}\mu_{22}\mu_{14} - 9\mu_{20}\mu_{21}^2\mu_{12}\mu_{13}\mu_{23} \\
& -9\mu_{20}\mu_{21}^2\mu_{03}\mu_{22}\mu_{23} + 9\mu_{20}\mu_{21}^2\mu_{03}\mu_{13}\mu_{32} - 9\mu_{20}\mu_{21}\mu_{12}^2\mu_{31}\mu_{14} \\
& +9\mu_{20}\mu_{21}\mu_{12}^2\mu_{13}\mu_{32} + 3\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{14} \\
& +6\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{23} + 3\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{32} \\
& -12\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{13}\mu_{41} - 3\mu_{20}\mu_{21}\mu_{03}^2\mu_{40}\mu_{23} + 3\mu_{20}\mu_{21}\mu_{03}^2\mu_{31}\mu_{32} \\
& -3\mu_{20}\mu_{21}\mu_{03}^2\mu_{22}\mu_{41} + 3\mu_{20}\mu_{21}\mu_{03}^2\mu_{13}\mu_{50} + 9\mu_{20}\mu_{12}^3\mu_{31}\mu_{23} \\
& -9\mu_{20}\mu_{12}^3\mu_{22}\mu_{32} - 3\mu_{20}\mu_{12}^2\mu_{03}\mu_{40}\mu_{23} - 9\mu_{20}\mu_{12}^2\mu_{03}\mu_{31}\mu_{32} \\
& +12\mu_{20}\mu_{12}^2\mu_{03}\mu_{22}\mu_{41} + 4\mu_{20}\mu_{12}\mu_{03}^2\mu_{40}\mu_{32} - \mu_{20}\mu_{12}\mu_{03}^2\mu_{31}\mu_{41} \\
& -3\mu_{20}\mu_{12}\mu_{03}^2\mu_{22}\mu_{50} - \mu_{20}\mu_{03}^3\mu_{40}\mu_{41} + \mu_{20}\mu_{03}^3\mu_{31}\mu_{50} \\
& -2\mu_{11}\mu_{30}^2\mu_{21}\mu_{13}\mu_{05} + 2\mu_{11}\mu_{30}^2\mu_{21}\mu_{04}\mu_{14} + 2\mu_{11}\mu_{30}^2\mu_{12}\mu_{13}\mu_{14} \\
& -2\mu_{11}\mu_{30}^2\mu_{12}\mu_{04}\mu_{23} + 6\mu_{11}\mu_{30}\mu_{21}^2\mu_{22}\mu_{05} - 6\mu_{11}\mu_{30}\mu_{21}^2\mu_{04}\mu_{23} \\
& -6\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{31}\mu_{05} - 6\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{13}\mu_{23} \\
& +12\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{04}\mu_{32} + 2\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{40}\mu_{05} \\
& -2\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{31}\mu_{14} + 2\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{13}\mu_{32} \\
& -2\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{04}\mu_{41} + 6\mu_{11}\mu_{30}\mu_{12}^2\mu_{31}\mu_{14} - 6\mu_{11}\mu_{30}\mu_{12}^2\mu_{22}\mu_{23} \\
& +6\mu_{11}\mu_{30}\mu_{12}^2\mu_{13}\mu_{32} - 6\mu_{11}\mu_{30}\mu_{12}^2\mu_{04}\mu_{41} - 2\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{40}\mu_{14} \\
& +2\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{31}\mu_{23} - 2\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{13}\mu_{41} \\
& +2\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{04}\mu_{50} - 18\mu_{11}\mu_{21}^3\mu_{22}\mu_{14} + 18\mu_{11}\mu_{21}^3\mu_{13}\mu_{23} \\
& +18\mu_{11}\mu_{21}^2\mu_{12}\mu_{31}\mu_{14} + 18\mu_{11}\mu_{21}^2\mu_{12}\mu_{22}\mu_{23} - 36\mu_{11}\mu_{21}^2\mu_{12}\mu_{13}\mu_{32} \\
& -6\mu_{11}\mu_{21}^2\mu_{03}\mu_{40}\mu_{14} + 6\mu_{11}\mu_{21}^2\mu_{03}\mu_{31}\mu_{23} - 6\mu_{11}\mu_{21}^2\mu_{03}\mu_{22}\mu_{32} \\
& +6\mu_{11}\mu_{21}^2\mu_{03}\mu_{13}\mu_{41} - 36\mu_{11}\mu_{21}\mu_{12}^2\mu_{31}\mu_{23} + 18\mu_{11}\mu_{21}\mu_{12}^2\mu_{22}\mu_{32} \\
& +18\mu_{11}\mu_{21}\mu_{12}^2\mu_{13}\mu_{41} + 12\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{23} \\
& -6\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{32} - 6\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{13}\mu_{50} \\
& -2\mu_{11}\mu_{21}\mu_{03}^2\mu_{40}\mu_{32} + 2\mu_{11}\mu_{21}\mu_{03}^2\mu_{31}\mu_{41} + 18\mu_{11}\mu_{12}^3\mu_{31}\mu_{32} \\
& -18\mu_{11}\mu_{12}^3\mu_{22}\mu_{41} - 6\mu_{11}\mu_{12}^2\mu_{03}\mu_{40}\mu_{32} + 6\mu_{11}\mu_{12}^2\mu_{03}\mu_{22}\mu_{50} \\
& +2\mu_{11}\mu_{12}\mu_{03}^2\mu_{40}\mu_{41} - 2\mu_{11}\mu_{12}\mu_{03}^2\mu_{31}\mu_{50} + \mu_{02}\mu_{30}^3\mu_{13}\mu_{05} \\
& -\mu_{02}\mu_{30}^3\mu_{04}\mu_{14} - 3\mu_{02}\mu_{30}^2\mu_{21}\mu_{22}\mu_{05} - \mu_{02}\mu_{30}^2\mu_{21}\mu_{13}\mu_{14} \\
& +4\mu_{02}\mu_{30}^2\mu_{21}\mu_{04}\mu_{23} + 3\mu_{02}\mu_{30}^2\mu_{12}\mu_{31}\mu_{05} - 3\mu_{02}\mu_{30}^2\mu_{12}\mu_{22}\mu_{14} \\
& +3\mu_{02}\mu_{30}^2\mu_{12}\mu_{13}\mu_{23} - 3\mu_{02}\mu_{30}^2\mu_{12}\mu_{04}\mu_{32} - \mu_{02}\mu_{30}^2\mu_{03}\mu_{40}\mu_{05} \\
& +\mu_{02}\mu_{30}^2\mu_{03}\mu_{31}\mu_{14} - \mu_{02}\mu_{30}^2\mu_{03}\mu_{13}\mu_{32} + \mu_{02}\mu_{30}^2\mu_{03}\mu_{04}\mu_{41} \\
& +12\mu_{02}\mu_{30}\mu_{21}^2\mu_{22}\mu_{14} - 9\mu_{02}\mu_{30}\mu_{21}^2\mu_{13}\mu_{23} - 3\mu_{02}\mu_{30}\mu_{21}^2\mu_{04}\mu_{32} \\
& -12\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{31}\mu_{14} + 3\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{23} \\
& +6\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{13}\mu_{32} + 3\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{04}\mu_{41} \\
& +4\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{40}\mu_{14} - 4\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{31}\mu_{23} \\
& +3\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{22}\mu_{32} - 2\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{13}\mu_{41} \\
& -\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{04}\mu_{50} + 9\mu_{02}\mu_{30}\mu_{12}^2\mu_{31}\mu_{23} - 9\mu_{02}\mu_{30}\mu_{12}^2\mu_{22}\mu_{32} \\
& -3\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{40}\mu_{23} + 3\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{22}\mu_{41} \\
& +\mu_{02}\mu_{30}\mu_{03}^2\mu_{40}\mu_{32} - \mu_{02}\mu_{30}\mu_{03}^2\mu_{31}\mu_{41} - 9\mu_{02}\mu_{21}^3\mu_{22}\mu_{23}
\end{aligned}
$$

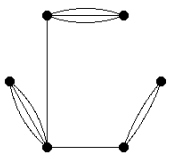
$$+9\mu_{02}\mu_{21}^3\mu_{13}\mu_{32} + 9\mu_{02}\mu_{21}^2\mu_{12}\mu_{31}\mu_{23} - 9\mu_{02}\mu_{21}^2\mu_{12}\mu_{13}\mu_{41}$$
$$-3\mu_{02}\mu_{21}^2\mu_{03}\mu_{40}\mu_{23} + 3\mu_{02}\mu_{21}^2\mu_{03}\mu_{31}\mu_{32} - 3\mu_{02}\mu_{21}^2\mu_{03}\mu_{22}\mu_{41}$$
$$+3\mu_{02}\mu_{21}^2\mu_{03}\mu_{13}\mu_{50} - 9\mu_{02}\mu_{21}\mu_{12}^2\mu_{31}\mu_{32} + 9\mu_{02}\mu_{21}\mu_{12}^2\mu_{22}\mu_{41}$$
$$+3\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{32} - 3\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{50}$$
$$-\mu_{02}\mu_{21}\mu_{03}^2\mu_{40}\mu_{41} + \mu_{02}\mu_{21}\mu_{03}^2\mu_{31}\mu_{50})/\mu_{00}^{16}$$

weight=10

structure: 1,3,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| 2 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |



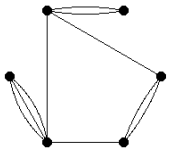
$$
\begin{aligned}
I_{102} \;=\; & (2\mu_{20}\mu_{30}^2\mu_{12}\mu_{13}\mu_{05} - 2\mu_{20}\mu_{30}^2\mu_{12}\mu_{04}\mu_{14} - \mu_{20}\mu_{30}^2\mu_{03}\mu_{22}\mu_{05} \\
& +\mu_{20}\mu_{30}^2\mu_{03}\mu_{04}\mu_{23} - 2\mu_{20}\mu_{30}\mu_{21}^2\mu_{13}\mu_{05} + 2\mu_{20}\mu_{30}\mu_{21}^2\mu_{04}\mu_{14} \\
& +\mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{05} - 6\mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{13}\mu_{14} \\
& +5\mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{04}\mu_{23} + 5\mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{22}\mu_{14} \\
& -2\mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{13}\mu_{23} - 3\mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{04}\mu_{32} \\
& -2\mu_{20}\mu_{30}\mu_{12}^2\mu_{22}\mu_{14} + 8\mu_{20}\mu_{30}\mu_{12}^2\mu_{13}\mu_{23} - 6\mu_{20}\mu_{30}\mu_{12}^2\mu_{04}\mu_{32} \\
& -3\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{22}\mu_{23} - 2\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{13}\mu_{32} \\
& +5\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{04}\mu_{41} + \mu_{20}\mu_{30}\mu_{03}^2\mu_{22}\mu_{32} - \mu_{20}\mu_{30}\mu_{03}^2\mu_{04}\mu_{50} \\
& +6\mu_{20}\mu_{21}^3\mu_{13}\mu_{14} - 6\mu_{20}\mu_{21}^3\mu_{04}\mu_{23} - 3\mu_{20}\mu_{21}^2\mu_{12}\mu_{22}\mu_{14} \\
& -6\mu_{20}\mu_{21}^2\mu_{12}\mu_{13}\mu_{23} + 9\mu_{20}\mu_{21}^2\mu_{12}\mu_{04}\mu_{32} - 6\mu_{20}\mu_{21}^2\mu_{03}\mu_{22}\mu_{23} \\
& +8\mu_{20}\mu_{21}^2\mu_{03}\mu_{13}\mu_{32} - 2\mu_{20}\mu_{21}^2\mu_{03}\mu_{04}\mu_{41} + 9\mu_{20}\mu_{21}\mu_{12}^2\mu_{22}\mu_{23} \\
& -6\mu_{20}\mu_{21}\mu_{12}^2\mu_{13}\mu_{32} - 3\mu_{20}\mu_{21}\mu_{12}^2\mu_{04}\mu_{41} + 5\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{32} \\
& -6\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{13}\mu_{41} + \mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{04}\mu_{50} \\
& -2\mu_{20}\mu_{21}\mu_{03}^2\mu_{22}\mu_{41} + 2\mu_{20}\mu_{21}\mu_{03}^2\mu_{13}\mu_{50} - 6\mu_{20}\mu_{12}^3\mu_{22}\mu_{32} \\
& +6\mu_{20}\mu_{12}^3\mu_{13}\mu_{41} + 2\mu_{20}\mu_{12}^2\mu_{03}\mu_{22}\mu_{41} - 2\mu_{20}\mu_{12}^2\mu_{03}\mu_{13}\mu_{50} \\
& -4\mu_{11}\mu_{30}^2\mu_{12}\mu_{22}\mu_{05} + 4\mu_{11}\mu_{30}^2\mu_{12}\mu_{13}\mu_{14} + 2\mu_{11}\mu_{30}^2\mu_{03}\mu_{31}\mu_{05} \\
& -2\mu_{11}\mu_{30}^2\mu_{03}\mu_{13}\mu_{23} + 4\mu_{11}\mu_{30}\mu_{21}^2\mu_{22}\mu_{05} - 4\mu_{11}\mu_{30}\mu_{21}^2\mu_{13}\mu_{14} \\
& -2\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{31}\mu_{05} + 12\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{14} \\
& -10\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{13}\mu_{23} - 10\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{31}\mu_{14} \\
& +4\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{22}\mu_{23} + 6\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{13}\mu_{32} \\
& +4\mu_{11}\mu_{30}\mu_{12}^2\mu_{31}\mu_{14} - 16\mu_{11}\mu_{30}\mu_{12}^2\mu_{22}\mu_{23} + 12\mu_{11}\mu_{30}\mu_{12}^2\mu_{13}\mu_{32} \\
& +6\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{31}\mu_{23} + 4\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{22}\mu_{32} \\
& -10\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{13}\mu_{41} - 2\mu_{11}\mu_{30}\mu_{03}^2\mu_{31}\mu_{32} + 2\mu_{11}\mu_{30}\mu_{03}^2\mu_{13}\mu_{50} \\
& -12\mu_{11}\mu_{21}^3\mu_{22}\mu_{14} + 12\mu_{11}\mu_{21}^3\mu_{13}\mu_{23} + 6\mu_{11}\mu_{21}^2\mu_{12}\mu_{31}\mu_{14} \\
& +12\mu_{11}\mu_{21}^2\mu_{12}\mu_{22}\mu_{23} - 18\mu_{11}\mu_{21}^2\mu_{12}\mu_{13}\mu_{32} + 12\mu_{11}\mu_{21}^2\mu_{03}\mu_{31}\mu_{23} \\
& -16\mu_{11}\mu_{21}^2\mu_{03}\mu_{22}\mu_{32} + 4\mu_{11}\mu_{21}^2\mu_{03}\mu_{13}\mu_{41} - 18\mu_{11}\mu_{21}\mu_{12}^2\mu_{31}\mu_{23} \\
& +12\mu_{11}\mu_{21}\mu_{12}^2\mu_{22}\mu_{32} + 6\mu_{11}\mu_{21}\mu_{12}^2\mu_{13}\mu_{41} - 10\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{32} \\
& +12\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{41} - 2\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{13}\mu_{50} \\
& +4\mu_{11}\mu_{21}\mu_{03}^2\mu_{31}\mu_{41} - 4\mu_{11}\mu_{21}\mu_{03}^2\mu_{22}\mu_{50} + 12\mu_{11}\mu_{12}^3\mu_{31}\mu_{32} \\
& -12\mu_{11}\mu_{12}^3\mu_{22}\mu_{41} - 4\mu_{11}\mu_{12}^2\mu_{03}\mu_{31}\mu_{41} + 4\mu_{11}\mu_{12}^2\mu_{03}\mu_{22}\mu_{50} \\
& +2\mu_{02}\mu_{30}^2\mu_{12}\mu_{31}\mu_{05} - 2\mu_{02}\mu_{30}^2\mu_{12}\mu_{22}\mu_{14} - \mu_{02}\mu_{30}^2\mu_{03}\mu_{40}\mu_{05} \\
& +\mu_{02}\mu_{30}^2\mu_{03}\mu_{22}\mu_{23} - 2\mu_{02}\mu_{30}\mu_{21}^2\mu_{31}\mu_{05} + 2\mu_{02}\mu_{30}\mu_{21}^2\mu_{22}\mu_{14} \\
& +\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{40}\mu_{05} - 6\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{31}\mu_{14} \\
& +5\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{23} + 5\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{40}\mu_{14} \\
& -2\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{31}\mu_{23} - 3\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{22}\mu_{32} \\
& -2\mu_{02}\mu_{30}\mu_{12}^2\mu_{40}\mu_{14} + 8\mu_{02}\mu_{30}\mu_{12}^2\mu_{31}\mu_{23} - 6\mu_{02}\mu_{30}\mu_{12}^2\mu_{22}\mu_{32} \\
& -3\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{40}\mu_{23} - 2\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{31}\mu_{32} \\
& +5\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{22}\mu_{41} + \mu_{02}\mu_{30}\mu_{03}^2\mu_{40}\mu_{32} - \mu_{02}\mu_{30}\mu_{03}^2\mu_{22}\mu_{50} \\
& +6\mu_{02}\mu_{21}^3\mu_{31}\mu_{14} - 6\mu_{02}\mu_{21}^3\mu_{22}\mu_{23} - 3\mu_{02}\mu_{21}^2\mu_{12}\mu_{40}\mu_{14} \\
& -6\mu_{02}\mu_{21}^2\mu_{12}\mu_{31}\mu_{23} + 9\mu_{02}\mu_{21}^2\mu_{12}\mu_{22}\mu_{32} - 6\mu_{02}\mu_{21}^2\mu_{03}\mu_{40}\mu_{23} \\
& +8\mu_{02}\mu_{21}^2\mu_{03}\mu_{31}\mu_{32} - 2\mu_{02}\mu_{21}^2\mu_{03}\mu_{22}\mu_{41} + 9\mu_{02}\mu_{21}\mu_{12}^2\mu_{40}\mu_{23} \\
& -6\mu_{02}\mu_{21}\mu_{12}^2\mu_{31}\mu_{32} - 3\mu_{02}\mu_{21}\mu_{12}^2\mu_{22}\mu_{41} + 5\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{32} \\
& -6\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{41} + \mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{50} \\
& -2\mu_{02}\mu_{21}\mu_{03}^2\mu_{40}\mu_{41} + 2\mu_{02}\mu_{21}\mu_{03}^2\mu_{31}\mu_{50} - 6\mu_{02}\mu_{12}^3\mu_{40}\mu_{32} \\
& +6\mu_{02}\mu_{12}^3\mu_{31}\mu_{41} + 2\mu_{02}\mu_{12}^2\mu_{03}\mu_{40}\mu_{41} - 2\mu_{02}\mu_{12}^2\mu_{03}\mu_{31}\mu_{50})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 1,3,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| 2 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 |



$$
\begin{aligned}
I_{103} \;=\; & (2\mu_{20}\mu_{30}^2\mu_{12}\mu_{13}\mu_{05} - 2\mu_{20}\mu_{30}^2\mu_{12}\mu_{04}\mu_{14} - \mu_{20}\mu_{30}^2\mu_{03}\mu_{22}\mu_{05} \\
& +\mu_{20}\mu_{30}^2\mu_{03}\mu_{04}\mu_{23} - 2\mu_{20}\mu_{30}\mu_{21}^2\mu_{13}\mu_{05} + 2\mu_{20}\mu_{30}\mu_{21}^2\mu_{04}\mu_{14} \\
& -3\mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{05} + 2\mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{13}\mu_{14} \\
& +\mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{04}\mu_{23} + 2\mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{31}\mu_{05} \\
& +3\mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{22}\mu_{14} - 4\mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{13}\mu_{23} \\
& -\mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{04}\mu_{32} + 2\mu_{20}\mu_{30}\mu_{12}^2\mu_{31}\mu_{05} - 2\mu_{20}\mu_{30}\mu_{12}^2\mu_{13}\mu_{23} \\
& -\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{40}\mu_{05} - 4\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{31}\mu_{14} \\
& +3\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{22}\mu_{23} + 2\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{13}\mu_{32} \\
& +\mu_{20}\mu_{30}\mu_{03}^2\mu_{40}\mu_{14} - \mu_{20}\mu_{30}\mu_{03}^2\mu_{22}\mu_{32} + 4\mu_{20}\mu_{21}^3\mu_{22}\mu_{05} \\
& -2\mu_{20}\mu_{21}^3\mu_{13}\mu_{14} - 2\mu_{20}\mu_{21}^3\mu_{04}\mu_{23} - 4\mu_{20}\mu_{21}^2\mu_{12}\mu_{31}\mu_{05} \\
& -3\mu_{20}\mu_{21}^2\mu_{12}\mu_{22}\mu_{14} + 6\mu_{20}\mu_{21}^2\mu_{12}\mu_{13}\mu_{23} + \mu_{20}\mu_{21}^2\mu_{12}\mu_{04}\mu_{32} \\
& -2\mu_{20}\mu_{21}^2\mu_{03}\mu_{31}\mu_{14} + 2\mu_{20}\mu_{21}^2\mu_{03}\mu_{13}\mu_{32} + \mu_{20}\mu_{21}\mu_{12}^2\mu_{40}\mu_{05} \\
& +6\mu_{20}\mu_{21}\mu_{12}^2\mu_{31}\mu_{14} - 3\mu_{20}\mu_{21}\mu_{12}^2\mu_{22}\mu_{23} - 4\mu_{20}\mu_{21}\mu_{12}^2\mu_{13}\mu_{32} \\
& +\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{14} + 2\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{23} \\
& -3\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{32} - 2\mu_{20}\mu_{21}\mu_{03}^2\mu_{40}\mu_{23} + 2\mu_{20}\mu_{21}\mu_{03}^2\mu_{31}\mu_{32} \\
& -2\mu_{20}\mu_{12}^3\mu_{40}\mu_{14} - 2\mu_{20}\mu_{12}^3\mu_{31}\mu_{23} + 4\mu_{20}\mu_{12}^3\mu_{22}\mu_{32} \\
& +2\mu_{20}\mu_{12}^2\mu_{03}\mu_{40}\mu_{23} - 2\mu_{20}\mu_{12}^2\mu_{03}\mu_{31}\mu_{32} - 4\mu_{11}\mu_{30}^2\mu_{12}\mu_{13}\mu_{14} \\
& +4\mu_{11}\mu_{30}^2\mu_{12}\mu_{04}\mu_{23} + 2\mu_{11}\mu_{30}^2\mu_{03}\mu_{22}\mu_{14} - 2\mu_{11}\mu_{30}^2\mu_{03}\mu_{04}\mu_{32} \\
& +4\mu_{11}\mu_{30}\mu_{21}^2\mu_{13}\mu_{14} - 4\mu_{11}\mu_{30}\mu_{21}^2\mu_{04}\mu_{23} + 6\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{14} \\
& -4\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{13}\mu_{23} - 2\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{04}\mu_{32} \\
& -4\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{31}\mu_{14} - 6\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{22}\mu_{23} \\
& +8\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{13}\mu_{32} + 2\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{04}\mu_{41} \\
& -4\mu_{11}\mu_{30}\mu_{12}^2\mu_{31}\mu_{14} + 4\mu_{11}\mu_{30}\mu_{12}^2\mu_{13}\mu_{32} + 2\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{40}\mu_{14} \\
& +8\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{31}\mu_{23} - 6\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{22}\mu_{32} \\
& -4\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{13}\mu_{41} - 2\mu_{11}\mu_{30}\mu_{03}^2\mu_{40}\mu_{23} + 2\mu_{11}\mu_{30}\mu_{03}^2\mu_{22}\mu_{41} \\
& -8\mu_{11}\mu_{21}^3\mu_{22}\mu_{14} + 4\mu_{11}\mu_{21}^3\mu_{13}\mu_{23} + 4\mu_{11}\mu_{21}^3\mu_{04}\mu_{32} \\
& +8\mu_{11}\mu_{21}^2\mu_{12}\mu_{31}\mu_{14} + 6\mu_{11}\mu_{21}^2\mu_{12}\mu_{22}\mu_{23} - 12\mu_{11}\mu_{21}^2\mu_{12}\mu_{13}\mu_{32} \\
& -2\mu_{11}\mu_{21}^2\mu_{12}\mu_{04}\mu_{41} + 4\mu_{11}\mu_{21}^2\mu_{03}\mu_{31}\mu_{23} - 4\mu_{11}\mu_{21}^2\mu_{03}\mu_{13}\mu_{41} \\
& -2\mu_{11}\mu_{21}\mu_{12}^2\mu_{40}\mu_{14} - 12\mu_{11}\mu_{21}\mu_{12}^2\mu_{31}\mu_{23} + 6\mu_{11}\mu_{21}\mu_{12}^2\mu_{22}\mu_{32} \\
& +8\mu_{11}\mu_{21}\mu_{12}^2\mu_{13}\mu_{41} - 2\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{23} \\
& -4\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{32} + 6\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{41} \\
& +4\mu_{11}\mu_{21}\mu_{03}^2\mu_{40}\mu_{32} - 4\mu_{11}\mu_{21}\mu_{03}^2\mu_{31}\mu_{41} + 4\mu_{11}\mu_{12}^3\mu_{40}\mu_{23} \\
& +4\mu_{11}\mu_{12}^3\mu_{31}\mu_{32} - 8\mu_{11}\mu_{12}^3\mu_{22}\mu_{41} - 4\mu_{11}\mu_{12}^2\mu_{03}\mu_{40}\mu_{32} \\
& +4\mu_{11}\mu_{12}^2\mu_{03}\mu_{31}\mu_{41} + 2\mu_{02}\mu_{30}^2\mu_{12}\mu_{13}\mu_{23} - 2\mu_{02}\mu_{30}^2\mu_{12}\mu_{04}\mu_{32} \\
& -\mu_{02}\mu_{30}^2\mu_{03}\mu_{22}\mu_{23} + \mu_{02}\mu_{30}^2\mu_{03}\mu_{04}\mu_{41} - 2\mu_{02}\mu_{30}\mu_{21}^2\mu_{13}\mu_{23} \\
& +2\mu_{02}\mu_{30}\mu_{21}^2\mu_{04}\mu_{32} - 3\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{23} \\
& +2\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{13}\mu_{32} + \mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{04}\mu_{41} \\
& +2\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{31}\mu_{23} + 3\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{22}\mu_{32} \\
& -4\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{13}\mu_{41} - \mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{04}\mu_{50} \\
& +2\mu_{02}\mu_{30}\mu_{12}^2\mu_{31}\mu_{23} - 2\mu_{02}\mu_{30}\mu_{12}^2\mu_{13}\mu_{41} - \mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{40}\mu_{23} \\
& -4\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{31}\mu_{32} + 3\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{22}\mu_{41} \\
& +2\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{13}\mu_{50} + \mu_{02}\mu_{30}\mu_{03}^2\mu_{40}\mu_{32} - \mu_{02}\mu_{30}\mu_{03}^2\mu_{22}\mu_{50} \\
& +4\mu_{02}\mu_{21}^3\mu_{22}\mu_{23} - 2\mu_{02}\mu_{21}^3\mu_{13}\mu_{32} - 2\mu_{02}\mu_{21}^3\mu_{04}\mu_{41} \\
& -4\mu_{02}\mu_{21}^2\mu_{12}\mu_{31}\mu_{23} - 3\mu_{02}\mu_{21}^2\mu_{12}\mu_{22}\mu_{32} + 6\mu_{02}\mu_{21}^2\mu_{12}\mu_{13}\mu_{41} \\
& +\mu_{02}\mu_{21}^2\mu_{12}\mu_{04}\mu_{50} - 2\mu_{02}\mu_{21}^2\mu_{03}\mu_{31}\mu_{32} + 2\mu_{02}\mu_{21}^2\mu_{03}\mu_{13}\mu_{50} \\
& +\mu_{02}\mu_{21}\mu_{12}^2\mu_{40}\mu_{23} + 6\mu_{02}\mu_{21}\mu_{12}^2\mu_{31}\mu_{32} - 3\mu_{02}\mu_{21}\mu_{12}^2\mu_{22}\mu_{41}
\end{aligned}
$$

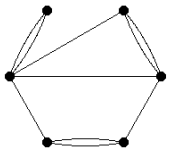
$$-4\mu_{02}\mu_{21}\mu_{12}^2\mu_{13}\mu_{50} + \mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{32}$$
$$+2\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{41} - 3\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{50}$$
$$-2\mu_{02}\mu_{21}\mu_{03}^2\mu_{40}\mu_{41} + 2\mu_{02}\mu_{21}\mu_{03}^2\mu_{31}\mu_{50} - 2\mu_{02}\mu_{12}^3\mu_{40}\mu_{32}$$
$$-2\mu_{02}\mu_{12}^3\mu_{31}\mu_{41} + 4\mu_{02}\mu_{12}^3\mu_{22}\mu_{50} + 2\mu_{02}\mu_{12}^2\mu_{03}\mu_{40}\mu_{41}$$
$$-2\mu_{02}\mu_{12}^2\mu_{03}\mu_{31}\mu_{50})/\mu_{00}^{16}$$

weight=10

structure: 1,3,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| 2 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 |



$$
\begin{aligned}
I_{104} \;=\; & (\mu_{20}^4\mu_{12}\mu_{13}\mu_{05} - \mu_{20}^4\mu_{12}\mu_{04}\mu_{14} - \mu_{20}^4\mu_{03}\mu_{13}\mu_{14} + \mu_{20}^4\mu_{03}\mu_{04}\mu_{23} \\
& -2\mu_{20}^3\mu_{11}\mu_{21}\mu_{13}\mu_{05} + 2\mu_{20}^3\mu_{11}\mu_{21}\mu_{04}\mu_{14} - 3\mu_{20}^3\mu_{11}\mu_{12}\mu_{22}\mu_{05} \\
& +2\mu_{20}^3\mu_{11}\mu_{12}\mu_{13}\mu_{14} + \mu_{20}^3\mu_{11}\mu_{12}\mu_{04}\mu_{23} + 3\mu_{20}^3\mu_{11}\mu_{03}\mu_{22}\mu_{14} \\
& -3\mu_{20}^3\mu_{11}\mu_{03}\mu_{04}\mu_{32} + \mu_{20}^3\mu_{02}\mu_{30}\mu_{13}\mu_{05} - \mu_{20}^3\mu_{02}\mu_{30}\mu_{04}\mu_{14} \\
& -\mu_{20}^3\mu_{02}\mu_{21}\mu_{13}\mu_{14} + \mu_{20}^3\mu_{02}\mu_{21}\mu_{04}\mu_{23} + \mu_{20}^3\mu_{02}\mu_{12}\mu_{31}\mu_{05} \\
& -\mu_{20}^3\mu_{02}\mu_{12}\mu_{04}\mu_{32} - \mu_{20}^3\mu_{02}\mu_{03}\mu_{31}\mu_{14} + \mu_{20}^3\mu_{02}\mu_{03}\mu_{04}\mu_{41} \\
& +6\mu_{20}^2\mu_{11}^2\mu_{21}\mu_{22}\mu_{05} - 6\mu_{20}^2\mu_{11}^2\mu_{21}\mu_{04}\mu_{23} + 2\mu_{20}^2\mu_{11}^2\mu_{12}\mu_{31}\mu_{05} \\
& -6\mu_{20}^2\mu_{11}^2\mu_{12}\mu_{13}\mu_{23} + 4\mu_{20}^2\mu_{11}^2\mu_{12}\mu_{04}\mu_{32} - 2\mu_{20}^2\mu_{11}^2\mu_{03}\mu_{31}\mu_{14} \\
& -6\mu_{20}^2\mu_{11}^2\mu_{03}\mu_{22}\mu_{23} + 6\mu_{20}^2\mu_{11}^2\mu_{03}\mu_{13}\mu_{32} + 2\mu_{20}^2\mu_{11}^2\mu_{03}\mu_{04}\mu_{41} \\
& -3\mu_{20}^2\mu_{11}\mu_{02}\mu_{30}\mu_{22}\mu_{05} + 3\mu_{20}^2\mu_{11}\mu_{02}\mu_{30}\mu_{04}\mu_{23} \\
& -2\mu_{20}^2\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{05} + 3\mu_{20}^2\mu_{11}\mu_{02}\mu_{21}\mu_{22}\mu_{14} \\
& -\mu_{20}^2\mu_{11}\mu_{02}\mu_{21}\mu_{04}\mu_{32} - \mu_{20}^2\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{05} \\
& -2\mu_{20}^2\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{14} + 4\mu_{20}^2\mu_{11}\mu_{02}\mu_{12}\mu_{13}\mu_{32} \\
& -\mu_{20}^2\mu_{11}\mu_{02}\mu_{12}\mu_{04}\mu_{41} + \mu_{20}^2\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{14} \\
& +4\mu_{20}^2\mu_{11}\mu_{02}\mu_{03}\mu_{31}\mu_{23} - 4\mu_{20}^2\mu_{11}\mu_{02}\mu_{03}\mu_{13}\mu_{41} \\
& -\mu_{20}^2\mu_{11}\mu_{02}\mu_{03}\mu_{04}\mu_{50} + \mu_{20}^2\mu_{02}^2\mu_{30}\mu_{31}\mu_{05} - \mu_{20}^2\mu_{02}^2\mu_{30}\mu_{04}\mu_{32} \\
& -\mu_{20}^2\mu_{02}^2\mu_{21}\mu_{31}\mu_{14} + \mu_{20}^2\mu_{02}^2\mu_{21}\mu_{04}\mu_{41} + \mu_{20}^2\mu_{02}^2\mu_{12}\mu_{40}\mu_{14} \\
& -\mu_{20}^2\mu_{02}^2\mu_{12}\mu_{13}\mu_{41} - \mu_{20}^2\mu_{02}^2\mu_{03}\mu_{40}\mu_{23} + \mu_{20}^2\mu_{02}^2\mu_{03}\mu_{13}\mu_{50} \\
& -4\mu_{20}\mu_{11}^3\mu_{21}\mu_{31}\mu_{05} - 12\mu_{20}\mu_{11}^3\mu_{21}\mu_{22}\mu_{14} + 12\mu_{20}\mu_{11}^3\mu_{21}\mu_{13}\mu_{23} \\
& +4\mu_{20}\mu_{11}^3\mu_{21}\mu_{04}\mu_{32} + 12\mu_{20}\mu_{11}^3\mu_{12}\mu_{22}\mu_{23} - 8\mu_{20}\mu_{11}^3\mu_{12}\mu_{13}\mu_{32} \\
& -4\mu_{20}\mu_{11}^3\mu_{12}\mu_{04}\mu_{41} + 4\mu_{20}\mu_{11}^3\mu_{03}\mu_{31}\mu_{23} - 4\mu_{20}\mu_{11}^3\mu_{03}\mu_{13}\mu_{41} \\
& +2\mu_{20}\mu_{11}^2\mu_{02}\mu_{30}\mu_{31}\mu_{05} + 6\mu_{20}\mu_{11}^2\mu_{02}\mu_{30}\mu_{22}\mu_{14} \\
& -6\mu_{20}\mu_{11}^2\mu_{02}\mu_{30}\mu_{13}\mu_{23} - 2\mu_{20}\mu_{11}^2\mu_{02}\mu_{30}\mu_{04}\mu_{32} \\
& +2\mu_{20}\mu_{11}^2\mu_{02}\mu_{21}\mu_{40}\mu_{05} + 6\mu_{20}\mu_{11}^2\mu_{02}\mu_{21}\mu_{31}\mu_{14} \\
& -6\mu_{20}\mu_{11}^2\mu_{02}\mu_{21}\mu_{22}\mu_{23} - 2\mu_{20}\mu_{11}^2\mu_{02}\mu_{21}\mu_{13}\mu_{32} \\
& -2\mu_{20}\mu_{11}^2\mu_{02}\mu_{12}\mu_{31}\mu_{23} - 6\mu_{20}\mu_{11}^2\mu_{02}\mu_{12}\mu_{22}\mu_{32} \\
& +6\mu_{20}\mu_{11}^2\mu_{02}\mu_{12}\mu_{13}\mu_{41} + 2\mu_{20}\mu_{11}^2\mu_{02}\mu_{12}\mu_{04}\mu_{50} \\
& -2\mu_{20}\mu_{11}^2\mu_{02}\mu_{03}\mu_{40}\mu_{23} - 6\mu_{20}\mu_{11}^2\mu_{02}\mu_{03}\mu_{31}\mu_{32} \\
& +6\mu_{20}\mu_{11}^2\mu_{02}\mu_{03}\mu_{22}\mu_{41} + 2\mu_{20}\mu_{11}^2\mu_{02}\mu_{03}\mu_{13}\mu_{50} \\
& -\mu_{20}\mu_{11}\mu_{02}^2\mu_{30}\mu_{40}\mu_{05} - 4\mu_{20}\mu_{11}\mu_{02}^2\mu_{30}\mu_{31}\mu_{14} \\
& +4\mu_{20}\mu_{11}\mu_{02}^2\mu_{30}\mu_{13}\mu_{32} + \mu_{20}\mu_{11}\mu_{02}^2\mu_{30}\mu_{04}\mu_{41} \\
& -\mu_{20}\mu_{11}\mu_{02}^2\mu_{21}\mu_{40}\mu_{14} + 4\mu_{20}\mu_{11}\mu_{02}^2\mu_{21}\mu_{31}\mu_{23} \\
& -2\mu_{20}\mu_{11}\mu_{02}^2\mu_{21}\mu_{13}\mu_{41} - \mu_{20}\mu_{11}\mu_{02}^2\mu_{21}\mu_{04}\mu_{50} \\
& -\mu_{20}\mu_{11}\mu_{02}^2\mu_{12}\mu_{40}\mu_{23} + 3\mu_{20}\mu_{11}\mu_{02}^2\mu_{12}\mu_{22}\mu_{41} \\
& -2\mu_{20}\mu_{11}\mu_{02}^2\mu_{12}\mu_{13}\mu_{50} + 3\mu_{20}\mu_{11}\mu_{02}^2\mu_{03}\mu_{40}\mu_{32} \\
& -3\mu_{20}\mu_{11}\mu_{02}^2\mu_{03}\mu_{22}\mu_{50} + \mu_{20}\mu_{02}^3\mu_{30}\mu_{40}\mu_{14} - \mu_{20}\mu_{02}^3\mu_{30}\mu_{13}\mu_{41} \\
& -\mu_{20}\mu_{02}^3\mu_{21}\mu_{40}\mu_{23} + \mu_{20}\mu_{02}^3\mu_{21}\mu_{13}\mu_{50} + \mu_{20}\mu_{02}^3\mu_{12}\mu_{40}\mu_{32} \\
& -\mu_{20}\mu_{02}^3\mu_{12}\mu_{31}\mu_{41} - \mu_{20}\mu_{02}^3\mu_{03}\mu_{40}\mu_{41} + \mu_{20}\mu_{02}^3\mu_{03}\mu_{31}\mu_{50} \\
& +8\mu_{11}^4\mu_{21}\mu_{31}\mu_{14} - 8\mu_{11}^4\mu_{21}\mu_{13}\mu_{32} - 8\mu_{11}^4\mu_{12}\mu_{31}\mu_{23} + 8\mu_{11}^4\mu_{12}\mu_{13}\mu_{41} \\
& -4\mu_{11}^3\mu_{02}\mu_{30}\mu_{31}\mu_{14} + 4\mu_{11}^3\mu_{02}\mu_{30}\mu_{13}\mu_{32} - 4\mu_{11}^3\mu_{02}\mu_{21}\mu_{40}\mu_{14} \\
& -8\mu_{11}^3\mu_{02}\mu_{21}\mu_{31}\mu_{23} + 12\mu_{11}^3\mu_{02}\mu_{21}\mu_{22}\mu_{32} + 4\mu_{11}^3\mu_{02}\mu_{12}\mu_{40}\mu_{23} \\
& +12\mu_{11}^3\mu_{02}\mu_{12}\mu_{31}\mu_{32} - 12\mu_{11}^3\mu_{02}\mu_{12}\mu_{22}\mu_{41} - 4\mu_{11}^3\mu_{02}\mu_{12}\mu_{13}\mu_{50} \\
& +2\mu_{11}^2\mu_{02}^2\mu_{30}\mu_{40}\mu_{14} + 6\mu_{11}^2\mu_{02}^2\mu_{30}\mu_{31}\mu_{23} - 6\mu_{11}^2\mu_{02}^2\mu_{30}\mu_{22}\mu_{32} \\
& -2\mu_{11}^2\mu_{02}^2\mu_{30}\mu_{13}\mu_{41} + 4\mu_{11}^2\mu_{02}^2\mu_{21}\mu_{40}\mu_{23} - 6\mu_{11}^2\mu_{02}^2\mu_{21}\mu_{31}\mu_{32} \\
& +2\mu_{11}^2\mu_{02}^2\mu_{21}\mu_{13}\mu_{50} - 6\mu_{11}^2\mu_{02}^2\mu_{12}\mu_{40}\mu_{32} + 6\mu_{11}^2\mu_{02}^2\mu_{12}\mu_{22}\mu_{50} \\
& -3\mu_{11}\mu_{02}^3\mu_{30}\mu_{40}\mu_{23} + 3\mu_{11}\mu_{02}^3\mu_{30}\mu_{22}\mu_{41} + \mu_{11}\mu_{02}^3\mu_{21}\mu_{40}\mu_{32}
\end{aligned}
$$

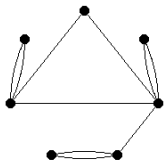
$$+2\mu_{11}\mu_{02}^3\mu_{21}\mu_{31}\mu_{41} - 3\mu_{11}\mu_{02}^3\mu_{21}\mu_{22}\mu_{50} + 2\mu_{11}\mu_{02}^3\mu_{12}\mu_{40}\mu_{41}$$
$$-2\mu_{11}\mu_{02}^3\mu_{12}\mu_{31}\mu_{50} + \mu_{02}^4\mu_{30}\mu_{40}\mu_{32} - \mu_{02}^4\mu_{30}\mu_{31}\mu_{41}$$
$$-\mu_{02}^4\mu_{21}\mu_{40}\mu_{41} + \mu_{02}^4\mu_{21}\mu_{31}\mu_{50})/\mu_{00}^{17}$$

weight=10

structure: 4,1,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| 2 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7 |



$$
\begin{aligned}
I_{105} \;=\; & (\mu_{20}^2\mu_{21}\mu_{31}\mu_{13}\mu_{05} - \mu_{20}^2\mu_{21}\mu_{31}\mu_{04}\mu_{14} - 3\mu_{20}^2\mu_{21}\mu_{22}\mu_{13}\mu_{14} \\
& +3\mu_{20}^2\mu_{21}\mu_{22}\mu_{04}\mu_{23} + 3\mu_{20}^2\mu_{21}\mu_{13}^2\mu_{23} - 4\mu_{20}^2\mu_{21}\mu_{13}\mu_{04}\mu_{32} \\
& +\mu_{20}^2\mu_{21}\mu_{04}^2\mu_{41} - \mu_{20}^2\mu_{12}\mu_{31}\mu_{22}\mu_{05} + \mu_{20}^2\mu_{12}\mu_{31}\mu_{04}\mu_{23} \\
& +3\mu_{20}^2\mu_{12}\mu_{22}^2\mu_{14} - 3\mu_{20}^2\mu_{12}\mu_{22}\mu_{13}\mu_{23} - 2\mu_{20}^2\mu_{12}\mu_{22}\mu_{04}\mu_{32} \\
& +3\mu_{20}^2\mu_{12}\mu_{13}\mu_{04}\mu_{41} - \mu_{20}^2\mu_{12}\mu_{04}^2\mu_{50} + \mu_{20}^2\mu_{03}\mu_{31}\mu_{22}\mu_{14} \\
& -\mu_{20}^2\mu_{03}\mu_{31}\mu_{13}\mu_{23} - 3\mu_{20}^2\mu_{03}\mu_{22}^2\mu_{23} + 6\mu_{20}^2\mu_{03}\mu_{22}\mu_{13}\mu_{32} \\
& -\mu_{20}^2\mu_{03}\mu_{22}\mu_{04}\mu_{41} - 3\mu_{20}^2\mu_{03}\mu_{13}^2\mu_{41} + \mu_{20}^2\mu_{03}\mu_{13}\mu_{04}\mu_{50} \\
& -\mu_{20}\mu_{11}\mu_{30}\mu_{31}\mu_{13}\mu_{05} + \mu_{20}\mu_{11}\mu_{30}\mu_{31}\mu_{04}\mu_{14} \\
& +3\mu_{20}\mu_{11}\mu_{30}\mu_{22}\mu_{13}\mu_{14} - 3\mu_{20}\mu_{11}\mu_{30}\mu_{22}\mu_{04}\mu_{23} \\
& -3\mu_{20}\mu_{11}\mu_{30}\mu_{13}^2\mu_{23} + 4\mu_{20}\mu_{11}\mu_{30}\mu_{13}\mu_{04}\mu_{32} - \mu_{20}\mu_{11}\mu_{30}\mu_{04}^2\mu_{41} \\
& -\mu_{20}\mu_{11}\mu_{21}\mu_{40}\mu_{13}\mu_{05} + \mu_{20}\mu_{11}\mu_{21}\mu_{40}\mu_{04}\mu_{14} \\
& -\mu_{20}\mu_{11}\mu_{21}\mu_{31}\mu_{22}\mu_{05} + 5\mu_{20}\mu_{11}\mu_{21}\mu_{31}\mu_{13}\mu_{14} \\
& -4\mu_{20}\mu_{11}\mu_{21}\mu_{31}\mu_{04}\mu_{23} + 3\mu_{20}\mu_{11}\mu_{21}\mu_{22}^2\mu_{14} \\
& -12\mu_{20}\mu_{11}\mu_{21}\mu_{22}\mu_{13}\mu_{23} + 7\mu_{20}\mu_{11}\mu_{21}\mu_{22}\mu_{04}\mu_{32} \\
& +7\mu_{20}\mu_{11}\mu_{21}\mu_{13}^2\mu_{32} - 6\mu_{20}\mu_{11}\mu_{21}\mu_{13}\mu_{04}\mu_{41} + \mu_{20}\mu_{11}\mu_{21}\mu_{04}^2\mu_{50} \\
& +\mu_{20}\mu_{11}\mu_{12}\mu_{40}\mu_{22}\mu_{05} - \mu_{20}\mu_{11}\mu_{12}\mu_{40}\mu_{04}\mu_{23} \\
& +2\mu_{20}\mu_{11}\mu_{12}\mu_{31}^2\mu_{05} - 10\mu_{20}\mu_{11}\mu_{12}\mu_{31}\mu_{22}\mu_{14} \\
& +5\mu_{20}\mu_{11}\mu_{12}\mu_{31}\mu_{13}\mu_{23} + \mu_{20}\mu_{11}\mu_{12}\mu_{31}\mu_{04}\mu_{32} \\
& +6\mu_{20}\mu_{11}\mu_{12}\mu_{22}^2\mu_{23} - \mu_{20}\mu_{11}\mu_{12}\mu_{22}\mu_{13}\mu_{32} \\
& -2\mu_{20}\mu_{11}\mu_{12}\mu_{22}\mu_{04}\mu_{41} - 3\mu_{20}\mu_{11}\mu_{12}\mu_{13}^2\mu_{41} \\
& +2\mu_{20}\mu_{11}\mu_{12}\mu_{13}\mu_{04}\mu_{50} - \mu_{20}\mu_{11}\mu_{03}\mu_{40}\mu_{22}\mu_{14} \\
& +\mu_{20}\mu_{11}\mu_{03}\mu_{40}\mu_{13}\mu_{23} - 2\mu_{20}\mu_{11}\mu_{03}\mu_{31}^2\mu_{14} \\
& +11\mu_{20}\mu_{11}\mu_{03}\mu_{31}\mu_{22}\mu_{23} - 9\mu_{20}\mu_{11}\mu_{03}\mu_{31}\mu_{13}\mu_{32} \\
& +2\mu_{20}\mu_{11}\mu_{03}\mu_{31}\mu_{04}\mu_{41} - 9\mu_{20}\mu_{11}\mu_{03}\mu_{22}^2\mu_{32} \\
& +10\mu_{20}\mu_{11}\mu_{03}\mu_{22}\mu_{13}\mu_{41} - 2\mu_{20}\mu_{11}\mu_{03}\mu_{22}\mu_{04}\mu_{50} \\
& -\mu_{20}\mu_{11}\mu_{03}\mu_{13}^2\mu_{50} + \mu_{20}\mu_{02}\mu_{30}\mu_{40}\mu_{13}\mu_{05} \\
& -\mu_{20}\mu_{02}\mu_{30}\mu_{40}\mu_{04}\mu_{14} - 3\mu_{20}\mu_{02}\mu_{30}\mu_{31}\mu_{13}\mu_{14} \\
& +3\mu_{20}\mu_{02}\mu_{30}\mu_{31}\mu_{04}\mu_{23} + 3\mu_{20}\mu_{02}\mu_{30}\mu_{22}\mu_{13}\mu_{23} \\
& -3\mu_{20}\mu_{02}\mu_{30}\mu_{22}\mu_{04}\mu_{32} - \mu_{20}\mu_{02}\mu_{30}\mu_{13}^2\mu_{32} \\
& +\mu_{20}\mu_{02}\mu_{30}\mu_{13}\mu_{04}\mu_{41} - \mu_{20}\mu_{02}\mu_{21}\mu_{40}\mu_{22}\mu_{05} \\
& +\mu_{20}\mu_{02}\mu_{21}\mu_{40}\mu_{04}\mu_{23} + \mu_{20}\mu_{02}\mu_{21}\mu_{31}^2\mu_{05} \\
& -\mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{22}\mu_{14} + 3\mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{13}\mu_{23} \\
& -4\mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{04}\mu_{32} - 2\mu_{20}\mu_{02}\mu_{21}\mu_{22}\mu_{13}\mu_{32} \\
& +4\mu_{20}\mu_{02}\mu_{21}\mu_{22}\mu_{04}\mu_{41} - \mu_{20}\mu_{02}\mu_{21}\mu_{13}\mu_{04}\mu_{50} \\
& -\mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{31}\mu_{05} + 4\mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{22}\mu_{14} \\
& -4\mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{13}\mu_{23} + \mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{04}\mu_{32} \\
& -2\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{22}\mu_{23} + 3\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{13}\mu_{32} \\
& -\mu_{20}\mu_{02}\mu_{12}\mu_{22}\mu_{13}\mu_{41} - \mu_{20}\mu_{02}\mu_{12}\mu_{22}\mu_{04}\mu_{50} \\
& +\mu_{20}\mu_{02}\mu_{12}\mu_{13}^2\mu_{50} + \mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{31}\mu_{14} \\
& -3\mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{22}\mu_{23} + 3\mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{13}\mu_{32} \\
& -\mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{04}\mu_{41} - \mu_{20}\mu_{02}\mu_{03}\mu_{31}^2\mu_{23} \\
& +3\mu_{20}\mu_{02}\mu_{03}\mu_{31}\mu_{22}\mu_{32} - 3\mu_{20}\mu_{02}\mu_{03}\mu_{31}\mu_{13}\mu_{41} \\
& +\mu_{20}\mu_{02}\mu_{03}\mu_{31}\mu_{04}\mu_{50} + 2\mu_{11}^2\mu_{30}\mu_{31}\mu_{22}\mu_{05} - 2\mu_{11}^2\mu_{30}\mu_{31}\mu_{13}\mu_{14} \\
& -6\mu_{11}^2\mu_{30}\mu_{22}^2\mu_{14} + 12\mu_{11}^2\mu_{30}\mu_{22}\mu_{13}\mu_{23} - 2\mu_{11}^2\mu_{30}\mu_{22}\mu_{04}\mu_{32} \\
& -6\mu_{11}^2\mu_{30}\mu_{13}^2\mu_{32} + 2\mu_{11}^2\mu_{30}\mu_{13}\mu_{04}\mu_{41} + 2\mu_{11}^2\mu_{21}\mu_{40}\mu_{22}\mu_{05} \\
& -2\mu_{11}^2\mu_{21}\mu_{40}\mu_{13}\mu_{14} - 2\mu_{11}^2\mu_{21}\mu_{31}^2\mu_{05} + 2\mu_{11}^2\mu_{21}\mu_{31}\mu_{13}\mu_{23}
\end{aligned}
$$

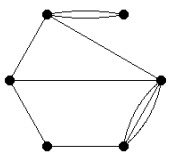
$$
\begin{aligned}
&+2\mu_{11}^2\mu_{21}\mu_{31}\mu_{04}\mu_{32} + 6\mu_{11}^2\mu_{21}\mu_{22}^2\mu_{23} - 14\mu_{11}^2\mu_{21}\mu_{22}\mu_{13}\mu_{32}\\
&+8\mu_{11}^2\mu_{21}\mu_{13}^2\mu_{41} - 2\mu_{11}^2\mu_{21}\mu_{13}\mu_{04}\mu_{50} - 2\mu_{11}^2\mu_{12}\mu_{40}\mu_{31}\mu_{05}\\
&+2\mu_{11}^2\mu_{12}\mu_{40}\mu_{13}\mu_{23} + 8\mu_{11}^2\mu_{12}\mu_{31}^2\mu_{14} - 14\mu_{11}^2\mu_{12}\mu_{31}\mu_{22}\mu_{23}\\
&+2\mu_{11}^2\mu_{12}\mu_{31}\mu_{13}\mu_{32} - 2\mu_{11}^2\mu_{12}\mu_{31}\mu_{04}\mu_{41} + 6\mu_{11}^2\mu_{12}\mu_{22}^2\mu_{32}\\
&+2\mu_{11}^2\mu_{12}\mu_{22}\mu_{04}\mu_{50} - 2\mu_{11}^2\mu_{12}\mu_{13}^2\mu_{50} + 2\mu_{11}^2\mu_{03}\mu_{40}\mu_{31}\mu_{14}\\
&-2\mu_{11}^2\mu_{03}\mu_{40}\mu_{22}\mu_{23} - 6\mu_{11}^2\mu_{03}\mu_{31}^2\mu_{23} + 12\mu_{11}^2\mu_{03}\mu_{31}\mu_{22}\mu_{32}\\
&-2\mu_{11}^2\mu_{03}\mu_{31}\mu_{13}\mu_{41} - 6\mu_{11}^2\mu_{03}\mu_{22}^2\mu_{41} + 2\mu_{11}^2\mu_{03}\mu_{22}\mu_{13}\mu_{50}\\
&-2\mu_{11}\mu_{02}\mu_{30}\mu_{40}\mu_{22}\mu_{05} + 2\mu_{11}\mu_{02}\mu_{30}\mu_{40}\mu_{13}\mu_{14}\\
&-\mu_{11}\mu_{02}\mu_{30}\mu_{31}^2\mu_{05} + 10\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{22}\mu_{14}\\
&-9\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{13}\mu_{23} + \mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{04}\mu_{32}\\
&-9\mu_{11}\mu_{02}\mu_{30}\mu_{22}^2\mu_{23} + 11\mu_{11}\mu_{02}\mu_{30}\mu_{22}\mu_{13}\mu_{32}\\
&-\mu_{11}\mu_{02}\mu_{30}\mu_{22}\mu_{04}\mu_{41} - 2\mu_{11}\mu_{02}\mu_{30}\mu_{13}^2\mu_{41}\\
&+2\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{31}\mu_{05} - 2\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{22}\mu_{14}\\
&+\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{13}\mu_{23} - \mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{04}\mu_{32}\\
&-3\mu_{11}\mu_{02}\mu_{21}\mu_{31}^2\mu_{14} - \mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{22}\mu_{23}\\
&+5\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{13}\mu_{32} + 6\mu_{11}\mu_{02}\mu_{21}\mu_{22}^2\mu_{32}\\
&-10\mu_{11}\mu_{02}\mu_{21}\mu_{22}\mu_{13}\mu_{41} + \mu_{11}\mu_{02}\mu_{21}\mu_{22}\mu_{04}\mu_{50}\\
&+2\mu_{11}\mu_{02}\mu_{21}\mu_{13}^2\mu_{50} + \mu_{11}\mu_{02}\mu_{12}\mu_{40}^2\mu_{05} - 6\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{31}\mu_{14}\\
&+7\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{22}\mu_{23} - 4\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{13}\mu_{32}\\
&+\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{04}\mu_{41} + 7\mu_{11}\mu_{02}\mu_{12}\mu_{31}^2\mu_{23}\\
&-12\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{22}\mu_{32} + 5\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{13}\mu_{41}\\
&-\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{04}\mu_{50} + 3\mu_{11}\mu_{02}\mu_{12}\mu_{22}^2\mu_{41}\\
&-\mu_{11}\mu_{02}\mu_{12}\mu_{22}\mu_{13}\mu_{50} - \mu_{11}\mu_{02}\mu_{03}\mu_{40}^2\mu_{14}\\
&+4\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{31}\mu_{23} - 3\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{22}\mu_{32}\\
&+\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{13}\mu_{41} - 3\mu_{11}\mu_{02}\mu_{03}\mu_{31}^2\mu_{32}\\
&+3\mu_{11}\mu_{02}\mu_{03}\mu_{31}\mu_{22}\mu_{41} - \mu_{11}\mu_{02}\mu_{03}\mu_{31}\mu_{13}\mu_{50}\\
&+\mu_{02}^2\mu_{30}\mu_{40}\mu_{31}\mu_{05} - \mu_{02}^2\mu_{30}\mu_{40}\mu_{22}\mu_{14} - 3\mu_{02}^2\mu_{30}\mu_{31}^2\mu_{14}\\
&+6\mu_{02}^2\mu_{30}\mu_{31}\mu_{22}\mu_{23} - \mu_{02}^2\mu_{30}\mu_{31}\mu_{13}\mu_{32} - 3\mu_{02}^2\mu_{30}\mu_{22}^2\mu_{32}\\
&+\mu_{02}^2\mu_{30}\mu_{22}\mu_{13}\mu_{41} - \mu_{02}^2\mu_{21}\mu_{40}^2\mu_{05} + 3\mu_{02}^2\mu_{21}\mu_{40}\mu_{31}\mu_{14}\\
&-2\mu_{02}^2\mu_{21}\mu_{40}\mu_{22}\mu_{23} + \mu_{02}^2\mu_{21}\mu_{40}\mu_{13}\mu_{32} - 3\mu_{02}^2\mu_{21}\mu_{31}\mu_{22}\mu_{32}\\
&+3\mu_{02}^2\mu_{21}\mu_{22}^2\mu_{41} - \mu_{02}^2\mu_{21}\mu_{22}\mu_{13}\mu_{50} + \mu_{02}^2\mu_{12}\mu_{40}^2\mu_{14}\\
&-4\mu_{02}^2\mu_{12}\mu_{40}\mu_{31}\mu_{23} + 3\mu_{02}^2\mu_{12}\mu_{40}\mu_{22}\mu_{32} - \mu_{02}^2\mu_{12}\mu_{40}\mu_{13}\mu_{41}\\
&+3\mu_{02}^2\mu_{12}\mu_{31}^2\mu_{32} - 3\mu_{02}^2\mu_{12}\mu_{31}\mu_{22}\mu_{41} + \mu_{02}^2\mu_{12}\mu_{31}\mu_{13}\mu_{50})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 2,1,2,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 4 |
| 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |



$$
\begin{aligned}
I_{106} \;=\; & (\mu_{20}\mu_{30}\mu_{21}^2\mu_{13}\mu_{05} - \mu_{20}\mu_{30}\mu_{21}^2\mu_{04}\mu_{14} - 4\mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{13}\mu_{14} \\
& +4\mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{04}\mu_{23} + 2\mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{13}\mu_{23} \\
& -2\mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{04}\mu_{32} + 4\mu_{20}\mu_{30}\mu_{12}^2\mu_{13}\mu_{23} - 4\mu_{20}\mu_{30}\mu_{12}^2\mu_{04}\mu_{32} \\
& -4\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{13}\mu_{32} + 4\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{04}\mu_{41} \\
& +\mu_{20}\mu_{30}\mu_{03}^2\mu_{13}\mu_{41} - \mu_{20}\mu_{30}\mu_{03}^2\mu_{04}\mu_{50} - 3\mu_{20}\mu_{21}^3\mu_{22}\mu_{05} \\
& +3\mu_{20}\mu_{21}^3\mu_{13}\mu_{14} + 3\mu_{20}\mu_{21}^2\mu_{12}\mu_{31}\mu_{05} + 9\mu_{20}\mu_{21}^2\mu_{12}\mu_{22}\mu_{14} \\
& -12\mu_{20}\mu_{21}^2\mu_{12}\mu_{13}\mu_{23} - \mu_{20}\mu_{21}^2\mu_{03}\mu_{40}\mu_{05} + \mu_{20}\mu_{21}^2\mu_{03}\mu_{31}\mu_{14} \\
& -6\mu_{20}\mu_{21}^2\mu_{03}\mu_{22}\mu_{23} + 6\mu_{20}\mu_{21}^2\mu_{03}\mu_{13}\mu_{32} - 12\mu_{20}\mu_{21}\mu_{12}^2\mu_{31}\mu_{14} \\
& +12\mu_{20}\mu_{21}\mu_{12}^2\mu_{13}\mu_{32} + 4\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{14} \\
& +2\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{23} + 6\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{32} \\
& -12\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{13}\mu_{41} - 2\mu_{20}\mu_{21}\mu_{03}^2\mu_{40}\mu_{23} + 2\mu_{20}\mu_{21}\mu_{03}^2\mu_{31}\mu_{32} \\
& -3\mu_{20}\mu_{21}\mu_{03}^2\mu_{22}\mu_{41} + 3\mu_{20}\mu_{21}\mu_{03}^2\mu_{13}\mu_{50} + 12\mu_{20}\mu_{12}^3\mu_{31}\mu_{23} \\
& -12\mu_{20}\mu_{12}^3\mu_{22}\mu_{32} - 4\mu_{20}\mu_{12}^2\mu_{03}\mu_{40}\mu_{23} - 8\mu_{20}\mu_{12}^2\mu_{03}\mu_{31}\mu_{32} \\
& +12\mu_{20}\mu_{12}^2\mu_{03}\mu_{22}\mu_{41} + 4\mu_{20}\mu_{12}\mu_{03}^2\mu_{40}\mu_{32} - \mu_{20}\mu_{12}\mu_{03}^2\mu_{31}\mu_{41} \\
& -3\mu_{20}\mu_{12}\mu_{03}^2\mu_{22}\mu_{50} - \mu_{20}\mu_{03}^3\mu_{40}\mu_{41} + \mu_{20}\mu_{03}^3\mu_{31}\mu_{50} \\
& -2\mu_{11}\mu_{30}^2\mu_{21}\mu_{13}\mu_{05} + 2\mu_{11}\mu_{30}^2\mu_{21}\mu_{04}\mu_{14} + 4\mu_{11}\mu_{30}^2\mu_{12}\mu_{13}\mu_{14} \\
& -4\mu_{11}\mu_{30}^2\mu_{12}\mu_{04}\mu_{23} - 2\mu_{11}\mu_{30}^2\mu_{03}\mu_{13}\mu_{23} + 2\mu_{11}\mu_{30}^2\mu_{03}\mu_{04}\mu_{32} \\
& +6\mu_{11}\mu_{30}\mu_{21}^2\mu_{22}\mu_{05} - 2\mu_{11}\mu_{30}\mu_{21}^2\mu_{13}\mu_{14} - 4\mu_{11}\mu_{30}\mu_{21}^2\mu_{04}\mu_{23} \\
& -6\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{31}\mu_{05} - 6\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{14} \\
& +2\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{13}\mu_{23} + 10\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{04}\mu_{32} \\
& +2\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{40}\mu_{05} - 2\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{31}\mu_{14} \\
& +6\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{22}\mu_{23} - 2\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{13}\mu_{32} \\
& -4\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{04}\mu_{41} + 12\mu_{11}\mu_{30}\mu_{12}^2\mu_{31}\mu_{14} - 12\mu_{11}\mu_{30}\mu_{12}^2\mu_{22}\mu_{23} \\
& +4\mu_{11}\mu_{30}\mu_{12}^2\mu_{13}\mu_{32} - 4\mu_{11}\mu_{30}\mu_{12}^2\mu_{04}\mu_{41} - 4\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{40}\mu_{14} \\
& -2\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{31}\mu_{23} + 6\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{22}\mu_{32} \\
& -2\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{13}\mu_{41} + 2\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{04}\mu_{50} \\
& +2\mu_{11}\mu_{30}\mu_{03}^2\mu_{40}\mu_{23} - 2\mu_{11}\mu_{30}\mu_{03}^2\mu_{31}\mu_{32} - 12\mu_{11}\mu_{21}^3\mu_{22}\mu_{14} \\
& +12\mu_{11}\mu_{21}^3\mu_{13}\mu_{23} + 12\mu_{11}\mu_{21}^2\mu_{12}\mu_{31}\mu_{14} + 18\mu_{11}\mu_{21}^2\mu_{12}\mu_{22}\mu_{23} \\
& -30\mu_{11}\mu_{21}^2\mu_{12}\mu_{13}\mu_{32} - 4\mu_{11}\mu_{21}^2\mu_{03}\mu_{40}\mu_{14} + 4\mu_{11}\mu_{21}^2\mu_{03}\mu_{31}\mu_{23} \\
& -12\mu_{11}\mu_{21}^2\mu_{03}\mu_{22}\mu_{32} + 12\mu_{11}\mu_{21}^2\mu_{03}\mu_{13}\mu_{41} - 30\mu_{11}\mu_{21}\mu_{12}^2\mu_{31}\mu_{23} \\
& +18\mu_{11}\mu_{21}\mu_{12}^2\mu_{22}\mu_{32} + 12\mu_{11}\mu_{21}\mu_{12}^2\mu_{13}\mu_{41} + 10\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{23} \\
& +2\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{32} - 6\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{41} \\
& -6\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{13}\mu_{50} - 4\mu_{11}\mu_{21}\mu_{03}^2\mu_{40}\mu_{32} + 4\mu_{11}\mu_{21}\mu_{03}^2\mu_{31}\mu_{41} \\
& +12\mu_{11}\mu_{12}^3\mu_{31}\mu_{32} - 12\mu_{11}\mu_{12}^3\mu_{22}\mu_{41} - 4\mu_{11}\mu_{12}^2\mu_{03}\mu_{40}\mu_{32} \\
& -2\mu_{11}\mu_{12}^2\mu_{03}\mu_{31}\mu_{41} + 6\mu_{11}\mu_{12}^2\mu_{03}\mu_{22}\mu_{50} + 2\mu_{11}\mu_{12}\mu_{03}^2\mu_{40}\mu_{41} \\
& -2\mu_{11}\mu_{12}\mu_{03}^2\mu_{31}\mu_{50} + \mu_{02}\mu_{30}^3\mu_{13}\mu_{05} - \mu_{02}\mu_{30}^3\mu_{04}\mu_{14} \\
& -3\mu_{02}\mu_{30}^2\mu_{21}\mu_{22}\mu_{05} - \mu_{02}\mu_{30}^2\mu_{21}\mu_{13}\mu_{14} + 4\mu_{02}\mu_{30}^2\mu_{21}\mu_{04}\mu_{23} \\
& +3\mu_{02}\mu_{30}^2\mu_{12}\mu_{31}\mu_{05} - 3\mu_{02}\mu_{30}^2\mu_{12}\mu_{22}\mu_{14} + 2\mu_{02}\mu_{30}^2\mu_{12}\mu_{13}\mu_{23} \\
& -2\mu_{02}\mu_{30}^2\mu_{12}\mu_{04}\mu_{32} - \mu_{02}\mu_{30}^2\mu_{03}\mu_{40}\mu_{05} + \mu_{02}\mu_{30}^2\mu_{03}\mu_{31}\mu_{14} \\
& +12\mu_{02}\mu_{30}\mu_{21}^2\mu_{22}\mu_{14} - 8\mu_{02}\mu_{30}\mu_{21}^2\mu_{13}\mu_{23} - 4\mu_{02}\mu_{30}\mu_{21}^2\mu_{04}\mu_{32} \\
& -12\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{31}\mu_{14} + 6\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{23} \\
& +2\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{13}\mu_{32} + 4\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{04}\mu_{41} \\
& +4\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{40}\mu_{14} - 4\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{31}\mu_{23} \\
& +6\mu_{02}\mu_{30}\mu_{12}^2\mu_{31}\mu_{23} - 6\mu_{02}\mu_{30}\mu_{12}^2\mu_{22}\mu_{32} + \mu_{02}\mu_{30}\mu_{12}^2\mu_{13}\mu_{41} \\
& -\mu_{02}\mu_{30}\mu_{12}^2\mu_{04}\mu_{50} - 2\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{40}\mu_{23} \\
& +2\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{31}\mu_{32} - 12\mu_{02}\mu_{21}^3\mu_{22}\mu_{23} + 12\mu_{02}\mu_{21}^3\mu_{13}\mu_{32}
\end{aligned}
$$

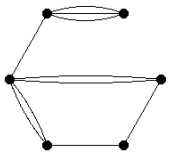
$$+12\mu_{02}\mu_{21}^2\mu_{12}\mu_{31}\mu_{23} - 12\mu_{02}\mu_{21}^2\mu_{12}\mu_{13}\mu_{41} - 4\mu_{02}\mu_{21}^2\mu_{03}\mu_{40}\mu_{23}$$
$$+4\mu_{02}\mu_{21}^2\mu_{03}\mu_{31}\mu_{32} - 12\mu_{02}\mu_{21}\mu_{12}^2\mu_{31}\mu_{32} + 9\mu_{02}\mu_{21}\mu_{12}^2\mu_{22}\mu_{41}$$
$$+3\mu_{02}\mu_{21}\mu_{12}^2\mu_{13}\mu_{50} + 4\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{32}$$
$$-4\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{41} + 3\mu_{02}\mu_{12}^3\mu_{31}\mu_{41} - 3\mu_{02}\mu_{12}^3\mu_{22}\mu_{50}$$
$$-\mu_{02}\mu_{12}^2\mu_{03}\mu_{40}\mu_{41} + \mu_{02}\mu_{12}^2\mu_{03}\mu_{31}\mu_{50})/\mu_{00}^{16}$$

weight=10

structure: 1,3,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 4 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |



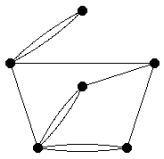
$$
\begin{aligned}
I_{107} \;=\; & (\mu_{20}\mu_{30}^2\mu_{12}\mu_{13}\mu_{05} - \mu_{20}\mu_{30}^2\mu_{12}\mu_{04}\mu_{14} - \mu_{20}\mu_{30}^2\mu_{03}\mu_{22}\mu_{05} \\
& +\mu_{20}\mu_{30}^2\mu_{03}\mu_{13}\mu_{14} - \mu_{20}\mu_{30}\mu_{21}^2\mu_{13}\mu_{05} + \mu_{20}\mu_{30}\mu_{21}^2\mu_{04}\mu_{14} \\
& +2\mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{05} - 6\mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{13}\mu_{14} \\
& +4\mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{04}\mu_{23} + 4\mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{22}\mu_{14} \\
& -4\mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{13}\mu_{23} - 4\mu_{20}\mu_{30}\mu_{12}^2\mu_{22}\mu_{14} + 10\mu_{20}\mu_{30}\mu_{12}^2\mu_{13}\mu_{23} \\
& -6\mu_{20}\mu_{30}\mu_{12}^2\mu_{04}\mu_{32} - 4\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{13}\mu_{32} \\
& +4\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{04}\mu_{41} + \mu_{20}\mu_{30}\mu_{03}^2\mu_{13}\mu_{41} - \mu_{20}\mu_{30}\mu_{03}^2\mu_{04}\mu_{50} \\
& -\mu_{20}\mu_{21}^3\mu_{22}\mu_{05} + 5\mu_{20}\mu_{21}^3\mu_{13}\mu_{14} - 4\mu_{20}\mu_{21}^3\mu_{04}\mu_{23} \\
& -6\mu_{20}\mu_{21}^2\mu_{12}\mu_{13}\mu_{23} + 6\mu_{20}\mu_{21}^2\mu_{12}\mu_{04}\mu_{32} - 6\mu_{20}\mu_{21}^2\mu_{03}\mu_{22}\mu_{23} \\
& +10\mu_{20}\mu_{21}^2\mu_{03}\mu_{13}\mu_{32} - 4\mu_{20}\mu_{21}^2\mu_{03}\mu_{04}\mu_{41} + 6\mu_{20}\mu_{21}\mu_{12}^2\mu_{22}\mu_{23} \\
& -6\mu_{20}\mu_{21}\mu_{12}^2\mu_{13}\mu_{32} + 4\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{32} \\
& -6\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{13}\mu_{41} + 2\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{04}\mu_{50} \\
& -\mu_{20}\mu_{21}\mu_{03}^2\mu_{22}\mu_{41} + \mu_{20}\mu_{21}\mu_{03}^2\mu_{13}\mu_{50} - 4\mu_{20}\mu_{12}^3\mu_{22}\mu_{32} \\
& +5\mu_{20}\mu_{12}^3\mu_{13}\mu_{41} - \mu_{20}\mu_{12}^3\mu_{04}\mu_{50} + \mu_{20}\mu_{12}^2\mu_{03}\mu_{22}\mu_{41} \\
& -\mu_{20}\mu_{12}^2\mu_{03}\mu_{13}\mu_{50} - 2\mu_{11}\mu_{30}^2\mu_{12}\mu_{22}\mu_{05} + 2\mu_{11}\mu_{30}^2\mu_{12}\mu_{13}\mu_{14} \\
& +2\mu_{11}\mu_{30}^2\mu_{03}\mu_{31}\mu_{05} - 2\mu_{11}\mu_{30}^2\mu_{03}\mu_{22}\mu_{14} + 2\mu_{11}\mu_{30}\mu_{21}^2\mu_{22}\mu_{05} \\
& -2\mu_{11}\mu_{30}\mu_{21}^2\mu_{13}\mu_{14} - 4\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{31}\mu_{05} \\
& +12\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{14} - 8\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{13}\mu_{23} \\
& -8\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{31}\mu_{14} + 8\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{22}\mu_{23} \\
& +8\mu_{11}\mu_{30}\mu_{12}^2\mu_{31}\mu_{14} - 20\mu_{11}\mu_{30}\mu_{12}^2\mu_{22}\mu_{23} + 12\mu_{11}\mu_{30}\mu_{12}^2\mu_{13}\mu_{32} \\
& +8\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{22}\mu_{32} - 8\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{13}\mu_{41} \\
& -2\mu_{11}\mu_{30}\mu_{03}^2\mu_{22}\mu_{41} + 2\mu_{11}\mu_{30}\mu_{03}^2\mu_{13}\mu_{50} + 2\mu_{11}\mu_{21}^3\mu_{31}\mu_{05} \\
& -10\mu_{11}\mu_{21}^3\mu_{22}\mu_{14} + 8\mu_{11}\mu_{21}^3\mu_{13}\mu_{23} + 12\mu_{11}\mu_{21}^2\mu_{12}\mu_{22}\mu_{23} \\
& -12\mu_{11}\mu_{21}^2\mu_{12}\mu_{13}\mu_{32} + 12\mu_{11}\mu_{21}^2\mu_{03}\mu_{31}\mu_{23} - 20\mu_{11}\mu_{21}^2\mu_{03}\mu_{22}\mu_{32} \\
& +8\mu_{11}\mu_{21}^2\mu_{03}\mu_{13}\mu_{41} - 12\mu_{11}\mu_{21}\mu_{12}^2\mu_{31}\mu_{23} + 12\mu_{11}\mu_{21}\mu_{12}^2\mu_{22}\mu_{32} \\
& -8\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{32} + 12\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{41} \\
& -4\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{13}\mu_{50} + 2\mu_{11}\mu_{21}\mu_{03}^2\mu_{31}\mu_{41} - 2\mu_{11}\mu_{21}\mu_{03}^2\mu_{22}\mu_{50} \\
& +8\mu_{11}\mu_{12}^3\mu_{31}\mu_{32} - 10\mu_{11}\mu_{12}^3\mu_{22}\mu_{41} + 2\mu_{11}\mu_{12}^3\mu_{13}\mu_{50} \\
& -2\mu_{11}\mu_{12}^2\mu_{03}\mu_{31}\mu_{41} + 2\mu_{11}\mu_{12}^2\mu_{03}\mu_{22}\mu_{50} + \mu_{02}\mu_{30}^2\mu_{12}\mu_{31}\mu_{05} \\
& -\mu_{02}\mu_{30}^2\mu_{12}\mu_{22}\mu_{14} - \mu_{02}\mu_{30}^2\mu_{03}\mu_{40}\mu_{05} + \mu_{02}\mu_{30}^2\mu_{03}\mu_{31}\mu_{14} \\
& -\mu_{02}\mu_{30}\mu_{21}^2\mu_{31}\mu_{05} + \mu_{02}\mu_{30}\mu_{21}^2\mu_{22}\mu_{14} + 2\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{40}\mu_{05} \\
& -6\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{31}\mu_{14} + 4\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{23} \\
& +4\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{40}\mu_{14} - 4\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{31}\mu_{23} \\
& -4\mu_{02}\mu_{30}\mu_{12}^2\mu_{40}\mu_{14} + 10\mu_{02}\mu_{30}\mu_{12}^2\mu_{31}\mu_{23} - 6\mu_{02}\mu_{30}\mu_{12}^2\mu_{22}\mu_{32} \\
& -4\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{31}\mu_{32} + 4\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{22}\mu_{41} \\
& +\mu_{02}\mu_{30}\mu_{03}^2\mu_{31}\mu_{41} - \mu_{02}\mu_{30}\mu_{03}^2\mu_{22}\mu_{50} - \mu_{02}\mu_{21}^3\mu_{40}\mu_{05} \\
& +5\mu_{02}\mu_{21}^3\mu_{31}\mu_{14} - 4\mu_{02}\mu_{21}^3\mu_{22}\mu_{23} - 6\mu_{02}\mu_{21}^2\mu_{12}\mu_{31}\mu_{23} \\
& +6\mu_{02}\mu_{21}^2\mu_{12}\mu_{22}\mu_{32} - 6\mu_{02}\mu_{21}^2\mu_{03}\mu_{40}\mu_{23} + 10\mu_{02}\mu_{21}^2\mu_{03}\mu_{31}\mu_{32} \\
& -4\mu_{02}\mu_{21}^2\mu_{03}\mu_{22}\mu_{41} + 6\mu_{02}\mu_{21}\mu_{12}^2\mu_{40}\mu_{23} - 6\mu_{02}\mu_{21}\mu_{12}^2\mu_{31}\mu_{32} \\
& +4\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{32} - 6\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{41} \\
& +2\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{50} - \mu_{02}\mu_{21}\mu_{03}^2\mu_{40}\mu_{41} + \mu_{02}\mu_{21}\mu_{03}^2\mu_{31}\mu_{50} \\
& -4\mu_{02}\mu_{12}^3\mu_{40}\mu_{32} + 5\mu_{02}\mu_{12}^3\mu_{31}\mu_{41} - \mu_{02}\mu_{12}^3\mu_{22}\mu_{50} \\
& +\mu_{02}\mu_{12}^2\mu_{03}\mu_{40}\mu_{41} - \mu_{02}\mu_{12}^2\mu_{03}\mu_{31}\mu_{50})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 1,3,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 4 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 6 |



$$
\begin{aligned}
I_{108} \;=\; & (\mu_{20}\mu_{30}^2\mu_{12}\mu_{13}\mu_{05} - \mu_{20}\mu_{30}^2\mu_{12}\mu_{04}\mu_{14} - \mu_{20}\mu_{30}^2\mu_{03}\mu_{22}\mu_{05} \\
& + \mu_{20}\mu_{30}^2\mu_{03}\mu_{13}\mu_{14} - \mu_{20}\mu_{30}\mu_{21}^2\mu_{13}\mu_{05} + \mu_{20}\mu_{30}\mu_{21}^2\mu_{04}\mu_{14} \\
& - \mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{05} + \mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{04}\mu_{23} \\
& + 2\mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{31}\mu_{05} + \mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{22}\mu_{14} \\
& - 4\mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{13}\mu_{23} + \mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{04}\mu_{32} \\
& + \mu_{20}\mu_{30}\mu_{12}^2\mu_{31}\mu_{05} - \mu_{20}\mu_{30}\mu_{12}^2\mu_{22}\mu_{14} + \mu_{20}\mu_{30}\mu_{12}^2\mu_{13}\mu_{23} \\
& - \mu_{20}\mu_{30}\mu_{12}^2\mu_{04}\mu_{32} - \mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{40}\mu_{05} \\
& - 2\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{31}\mu_{14} + 3\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{22}\mu_{23} \\
& + \mu_{20}\mu_{30}\mu_{03}^2\mu_{40}\mu_{14} - \mu_{20}\mu_{30}\mu_{03}^2\mu_{31}\mu_{23} + 2\mu_{20}\mu_{21}^3\mu_{22}\mu_{05} \\
& - \mu_{20}\mu_{21}^3\mu_{13}\mu_{14} - \mu_{20}\mu_{21}^3\mu_{04}\mu_{23} - 3\mu_{20}\mu_{21}^2\mu_{12}\mu_{31}\mu_{05} \\
& + 3\mu_{20}\mu_{21}^2\mu_{12}\mu_{13}\mu_{23} - 3\mu_{20}\mu_{21}^2\mu_{03}\mu_{31}\mu_{14} + 3\mu_{20}\mu_{21}^2\mu_{03}\mu_{22}\mu_{23} \\
& + \mu_{20}\mu_{21}^2\mu_{03}\mu_{13}\mu_{32} - \mu_{20}\mu_{21}^2\mu_{03}\mu_{04}\mu_{41} + \mu_{20}\mu_{21}\mu_{12}^2\mu_{40}\mu_{05} \\
& + 5\mu_{20}\mu_{21}\mu_{12}^2\mu_{31}\mu_{14} - 6\mu_{20}\mu_{21}\mu_{12}^2\mu_{22}\mu_{23} - \mu_{20}\mu_{21}\mu_{12}^2\mu_{13}\mu_{32} \\
& + \mu_{20}\mu_{21}\mu_{12}^2\mu_{04}\mu_{41} + \mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{14} \\
& + 2\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{23} - 5\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{32} \\
& + 2\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{13}\mu_{41} - 2\mu_{20}\mu_{21}\mu_{03}^2\mu_{40}\mu_{23} + 3\mu_{20}\mu_{21}\mu_{03}^2\mu_{31}\mu_{32} \\
& - \mu_{20}\mu_{21}\mu_{03}^2\mu_{22}\mu_{41} - 2\mu_{20}\mu_{12}^3\mu_{40}\mu_{14} - \mu_{20}\mu_{12}^3\mu_{31}\mu_{23} \\
& + 5\mu_{20}\mu_{12}^3\mu_{22}\mu_{32} - 2\mu_{20}\mu_{12}^3\mu_{13}\mu_{41} + 2\mu_{20}\mu_{12}^2\mu_{03}\mu_{40}\mu_{23} \\
& - 3\mu_{20}\mu_{12}^2\mu_{03}\mu_{31}\mu_{32} + \mu_{20}\mu_{12}^2\mu_{03}\mu_{22}\mu_{41} + \mu_{11}\mu_{30}^2\mu_{12}\mu_{22}\mu_{05} \\
& - 4\mu_{11}\mu_{30}^2\mu_{12}\mu_{13}\mu_{14} + 3\mu_{11}\mu_{30}^2\mu_{12}\mu_{04}\mu_{23} + \mu_{11}\mu_{30}^2\mu_{03}\mu_{22}\mu_{14} \\
& - \mu_{11}\mu_{30}^2\mu_{03}\mu_{04}\mu_{32} - \mu_{11}\mu_{30}\mu_{21}^2\mu_{22}\mu_{05} + 4\mu_{11}\mu_{30}\mu_{21}^2\mu_{13}\mu_{14} \\
& - 3\mu_{11}\mu_{30}\mu_{21}^2\mu_{04}\mu_{23} - 2\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{31}\mu_{05} \\
& + 6\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{14} - 2\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{13}\mu_{23} \\
& - 2\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{04}\mu_{32} - 2\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{31}\mu_{14} \\
& - 4\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{22}\mu_{23} + 6\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{13}\mu_{32} \\
& + \mu_{11}\mu_{30}\mu_{12}^2\mu_{40}\mu_{05} - 2\mu_{11}\mu_{30}\mu_{12}^2\mu_{31}\mu_{14} - 2\mu_{11}\mu_{30}\mu_{12}^2\mu_{22}\mu_{23} \\
& + 2\mu_{11}\mu_{30}\mu_{12}^2\mu_{13}\mu_{32} + \mu_{11}\mu_{30}\mu_{12}^2\mu_{04}\mu_{41} + 6\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{31}\mu_{23} \\
& - 4\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{22}\mu_{32} - 2\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{13}\mu_{41} \\
& - \mu_{11}\mu_{30}\mu_{03}^2\mu_{40}\mu_{23} + \mu_{11}\mu_{30}\mu_{03}^2\mu_{22}\mu_{41} + 2\mu_{11}\mu_{21}^3\mu_{31}\mu_{05} \\
& - 7\mu_{11}\mu_{21}^3\mu_{22}\mu_{14} + 2\mu_{11}\mu_{21}^3\mu_{13}\mu_{23} + 3\mu_{11}\mu_{21}^3\mu_{04}\mu_{32} \\
& - \mu_{11}\mu_{21}^2\mu_{12}\mu_{40}\mu_{05} + 4\mu_{11}\mu_{21}^2\mu_{12}\mu_{31}\mu_{14} + 6\mu_{11}\mu_{21}^2\mu_{12}\mu_{22}\mu_{23} \\
& - 8\mu_{11}\mu_{21}^2\mu_{12}\mu_{13}\mu_{32} - \mu_{11}\mu_{21}^2\mu_{12}\mu_{04}\mu_{41} + \mu_{11}\mu_{21}^2\mu_{03}\mu_{40}\mu_{14} \\
& + 2\mu_{11}\mu_{21}^2\mu_{03}\mu_{31}\mu_{23} - 2\mu_{11}\mu_{21}^2\mu_{03}\mu_{22}\mu_{32} - 2\mu_{11}\mu_{21}^2\mu_{03}\mu_{13}\mu_{41} \\
& + \mu_{11}\mu_{21}^2\mu_{03}\mu_{04}\mu_{50} - \mu_{11}\mu_{21}\mu_{12}^2\mu_{40}\mu_{14} - 8\mu_{11}\mu_{21}\mu_{12}^2\mu_{31}\mu_{23} \\
& + 6\mu_{11}\mu_{21}\mu_{12}^2\mu_{22}\mu_{32} + 4\mu_{11}\mu_{21}\mu_{12}^2\mu_{13}\mu_{41} - \mu_{11}\mu_{21}\mu_{12}^2\mu_{04}\mu_{50} \\
& - 2\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{23} - 2\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{32} \\
& + 6\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{41} - 2\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{13}\mu_{50} \\
& + 3\mu_{11}\mu_{21}\mu_{03}^2\mu_{40}\mu_{32} - 4\mu_{11}\mu_{21}\mu_{03}^2\mu_{31}\mu_{41} + \mu_{11}\mu_{21}\mu_{03}^2\mu_{22}\mu_{50} \\
& + 3\mu_{11}\mu_{12}^3\mu_{40}\mu_{23} + 2\mu_{11}\mu_{12}^3\mu_{31}\mu_{32} - 7\mu_{11}\mu_{12}^3\mu_{22}\mu_{41} + 2\mu_{11}\mu_{12}^3\mu_{13}\mu_{50} \\
& - 3\mu_{11}\mu_{12}^2\mu_{03}\mu_{40}\mu_{32} + 4\mu_{11}\mu_{12}^2\mu_{03}\mu_{31}\mu_{41} - \mu_{11}\mu_{12}^2\mu_{03}\mu_{22}\mu_{50} \\
& - \mu_{02}\mu_{30}^2\mu_{12}\mu_{22}\mu_{14} + 3\mu_{02}\mu_{30}^2\mu_{12}\mu_{13}\mu_{23} - 2\mu_{02}\mu_{30}^2\mu_{12}\mu_{04}\mu_{32} \\
& - \mu_{02}\mu_{30}^2\mu_{03}\mu_{13}\mu_{32} + \mu_{02}\mu_{30}^2\mu_{03}\mu_{04}\mu_{41} + \mu_{02}\mu_{30}\mu_{21}^2\mu_{22}\mu_{14} \\
& - 3\mu_{02}\mu_{30}\mu_{21}^2\mu_{13}\mu_{23} + 2\mu_{02}\mu_{30}\mu_{21}^2\mu_{04}\mu_{32} + 2\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{31}\mu_{14} \\
& - 5\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{23} + 2\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{13}\mu_{32} \\
& + \mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{04}\mu_{41} + 3\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{22}\mu_{32} \\
& - 2\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{13}\mu_{41} - \mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{04}\mu_{50}
\end{aligned}
$$

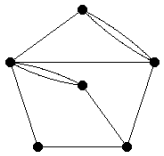
$$
\begin{aligned}
&-\mu_{02}\mu_{30}\mu_{12}^2\mu_{40}\mu_{14} + \mu_{02}\mu_{30}\mu_{12}^2\mu_{31}\mu_{23} + 3\mu_{02}\mu_{30}\mu_{12}^2\mu_{22}\mu_{32}\\
&-3\mu_{02}\mu_{30}\mu_{12}^2\mu_{13}\mu_{41} + \mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{40}\mu_{23}\\
&-4\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{31}\mu_{32} + \mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{22}\mu_{41}\\
&+2\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{13}\mu_{50} + \mu_{02}\mu_{30}\mu_{03}^2\mu_{31}\mu_{41} - \mu_{02}\mu_{30}\mu_{03}^2\mu_{22}\mu_{50}\\
&-2\mu_{02}\mu_{21}^3\mu_{31}\mu_{14} + 5\mu_{02}\mu_{21}^3\mu_{22}\mu_{23} - \mu_{02}\mu_{21}^3\mu_{13}\mu_{32} - 2\mu_{02}\mu_{21}^3\mu_{04}\mu_{41}\\
&+\mu_{02}\mu_{21}^2\mu_{12}\mu_{40}\mu_{14} - \mu_{02}\mu_{21}^2\mu_{12}\mu_{31}\mu_{23} - 6\mu_{02}\mu_{21}^2\mu_{12}\mu_{22}\mu_{32}\\
&+5\mu_{02}\mu_{21}^2\mu_{12}\mu_{13}\mu_{41} + \mu_{02}\mu_{21}^2\mu_{12}\mu_{04}\mu_{50} - \mu_{02}\mu_{21}^2\mu_{03}\mu_{40}\mu_{23}\\
&+\mu_{02}\mu_{21}^2\mu_{03}\mu_{31}\mu_{32} - \mu_{02}\mu_{21}^2\mu_{03}\mu_{22}\mu_{41} + \mu_{02}\mu_{21}^2\mu_{03}\mu_{13}\mu_{50}\\
&+3\mu_{02}\mu_{21}\mu_{12}^2\mu_{31}\mu_{32} - 3\mu_{02}\mu_{21}\mu_{12}^2\mu_{13}\mu_{50} + \mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{32}\\
&-\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{50} - \mu_{02}\mu_{21}\mu_{03}^2\mu_{40}\mu_{41} + \mu_{02}\mu_{21}\mu_{03}^2\mu_{31}\mu_{50}\\
&-\mu_{02}\mu_{12}^3\mu_{40}\mu_{32} - \mu_{02}\mu_{12}^3\mu_{31}\mu_{41} + 2\mu_{02}\mu_{12}^3\mu_{22}\mu_{50}\\
&+\mu_{02}\mu_{12}^2\mu_{03}\mu_{40}\mu_{41} - \mu_{02}\mu_{12}^2\mu_{03}\mu_{31}\mu_{50})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 1,3,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 4 |
| 2 | 3 | 3 | 4 | 5 | 5 | 5 | 6 | 6 | 6 |



$$
\begin{aligned}
I_{109} \;=\; & (\mu_{20}^2\mu_{12}\mu_{40}\mu_{13}\mu_{05} - \mu_{20}^2\mu_{12}\mu_{40}\mu_{04}\mu_{14} - \mu_{20}^2\mu_{12}\mu_{31}\mu_{22}\mu_{05} \\
& -2\mu_{20}^2\mu_{12}\mu_{31}\mu_{13}\mu_{14} + 3\mu_{20}^2\mu_{12}\mu_{31}\mu_{04}\mu_{23} + 3\mu_{20}^2\mu_{12}\mu_{22}^2\mu_{14} \\
& -3\mu_{20}^2\mu_{12}\mu_{22}\mu_{13}\mu_{23} - 2\mu_{20}^2\mu_{12}\mu_{22}\mu_{04}\mu_{32} + 2\mu_{20}^2\mu_{12}\mu_{13}^2\mu_{32} \\
& -2\mu_{20}^2\mu_{03}\mu_{40}\mu_{22}\mu_{05} + 3\mu_{20}^2\mu_{03}\mu_{40}\mu_{13}\mu_{14} - \mu_{20}^2\mu_{03}\mu_{40}\mu_{04}\mu_{23} \\
& +2\mu_{20}^2\mu_{03}\mu_{31}^2\mu_{05} - 3\mu_{20}^2\mu_{03}\mu_{31}\mu_{22}\mu_{14} - 2\mu_{20}^2\mu_{03}\mu_{31}\mu_{13}\mu_{23} \\
& +\mu_{20}^2\mu_{03}\mu_{31}\mu_{04}\mu_{32} + 3\mu_{20}^2\mu_{03}\mu_{22}^2\mu_{23} - \mu_{20}^2\mu_{03}\mu_{22}\mu_{13}\mu_{32} \\
& -2\mu_{20}\mu_{11}\mu_{21}\mu_{40}\mu_{13}\mu_{05} + 2\mu_{20}\mu_{11}\mu_{21}\mu_{40}\mu_{04}\mu_{14} \\
& +2\mu_{20}\mu_{11}\mu_{21}\mu_{31}\mu_{22}\mu_{05} + 4\mu_{20}\mu_{11}\mu_{21}\mu_{31}\mu_{13}\mu_{14} \\
& -6\mu_{20}\mu_{11}\mu_{21}\mu_{31}\mu_{04}\mu_{23} - 6\mu_{20}\mu_{11}\mu_{21}\mu_{22}^2\mu_{14} \\
& +6\mu_{20}\mu_{11}\mu_{21}\mu_{22}\mu_{13}\mu_{23} + 4\mu_{20}\mu_{11}\mu_{21}\mu_{22}\mu_{04}\mu_{32} \\
& -4\mu_{20}\mu_{11}\mu_{21}\mu_{13}^2\mu_{32} + 4\mu_{20}\mu_{11}\mu_{12}\mu_{40}\mu_{22}\mu_{05} \\
& -8\mu_{20}\mu_{11}\mu_{12}\mu_{40}\mu_{13}\mu_{14} + 4\mu_{20}\mu_{11}\mu_{12}\mu_{40}\mu_{04}\mu_{23} \\
& -4\mu_{20}\mu_{11}\mu_{12}\mu_{31}^2\mu_{05} + 8\mu_{20}\mu_{11}\mu_{12}\mu_{31}\mu_{22}\mu_{14} \\
& +8\mu_{20}\mu_{11}\mu_{12}\mu_{31}\mu_{13}\mu_{23} - 8\mu_{20}\mu_{11}\mu_{12}\mu_{31}\mu_{04}\mu_{32} \\
& -12\mu_{20}\mu_{11}\mu_{12}\mu_{22}^2\mu_{23} + 8\mu_{20}\mu_{11}\mu_{12}\mu_{22}\mu_{13}\mu_{32} \\
& +4\mu_{20}\mu_{11}\mu_{12}\mu_{22}\mu_{04}\mu_{41} - 4\mu_{20}\mu_{11}\mu_{12}\mu_{13}^2\mu_{41} \\
& +4\mu_{20}\mu_{11}\mu_{03}\mu_{40}\mu_{22}\mu_{14} - 6\mu_{20}\mu_{11}\mu_{03}\mu_{40}\mu_{13}\mu_{23} \\
& +2\mu_{20}\mu_{11}\mu_{03}\mu_{40}\mu_{04}\mu_{32} - 4\mu_{20}\mu_{11}\mu_{03}\mu_{31}^2\mu_{14} \\
& +6\mu_{20}\mu_{11}\mu_{03}\mu_{31}\mu_{22}\mu_{23} + 4\mu_{20}\mu_{11}\mu_{03}\mu_{31}\mu_{13}\mu_{32} \\
& -2\mu_{20}\mu_{11}\mu_{03}\mu_{31}\mu_{04}\mu_{41} - 6\mu_{20}\mu_{11}\mu_{03}\mu_{22}^2\mu_{32} \\
& +2\mu_{20}\mu_{11}\mu_{03}\mu_{22}\mu_{13}\mu_{41} + 2\mu_{20}\mu_{02}\mu_{21}\mu_{40}\mu_{13}\mu_{14} \\
& -2\mu_{20}\mu_{02}\mu_{21}\mu_{40}\mu_{04}\mu_{23} - 2\mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{22}\mu_{14} \\
& -4\mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{13}\mu_{23} + 6\mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{04}\mu_{32} \\
& +6\mu_{20}\mu_{02}\mu_{21}\mu_{22}^2\mu_{23} - 6\mu_{20}\mu_{02}\mu_{21}\mu_{22}\mu_{13}\mu_{32} \\
& -4\mu_{20}\mu_{02}\mu_{21}\mu_{22}\mu_{04}\mu_{41} + 4\mu_{20}\mu_{02}\mu_{21}\mu_{13}^2\mu_{41} \\
& -4\mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{22}\mu_{14} + 6\mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{13}\mu_{23} \\
& -2\mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{04}\mu_{32} + 4\mu_{20}\mu_{02}\mu_{12}\mu_{31}^2\mu_{14} \\
& -6\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{22}\mu_{23} - 4\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{13}\mu_{32} \\
& +2\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{04}\mu_{41} + 6\mu_{20}\mu_{02}\mu_{12}\mu_{22}^2\mu_{32} \\
& -2\mu_{20}\mu_{02}\mu_{12}\mu_{22}\mu_{13}\mu_{41} + \mu_{11}^2\mu_{30}\mu_{40}\mu_{13}\mu_{05} - \mu_{11}^2\mu_{30}\mu_{40}\mu_{04}\mu_{14} \\
& -\mu_{11}^2\mu_{30}\mu_{31}\mu_{22}\mu_{05} - 2\mu_{11}^2\mu_{30}\mu_{31}\mu_{13}\mu_{14} + 3\mu_{11}^2\mu_{30}\mu_{31}\mu_{04}\mu_{23} \\
& +3\mu_{11}^2\mu_{30}\mu_{22}^2\mu_{14} - 3\mu_{11}^2\mu_{30}\mu_{22}\mu_{13}\mu_{23} - 2\mu_{11}^2\mu_{30}\mu_{22}\mu_{04}\mu_{32} \\
& +2\mu_{11}^2\mu_{30}\mu_{13}^2\mu_{32} - 2\mu_{11}^2\mu_{21}\mu_{40}\mu_{22}\mu_{05} + 5\mu_{11}^2\mu_{21}\mu_{40}\mu_{13}\mu_{14} \\
& -3\mu_{11}^2\mu_{21}\mu_{40}\mu_{04}\mu_{23} + 2\mu_{11}^2\mu_{21}\mu_{31}^2\mu_{05} - 5\mu_{11}^2\mu_{21}\mu_{31}\mu_{22}\mu_{14} \\
& -6\mu_{11}^2\mu_{21}\mu_{31}\mu_{13}\mu_{23} + 7\mu_{11}^2\mu_{21}\mu_{31}\mu_{04}\mu_{32} + 9\mu_{11}^2\mu_{21}\mu_{22}^2\mu_{23} \\
& -7\mu_{11}^2\mu_{21}\mu_{22}\mu_{13}\mu_{32} - 4\mu_{11}^2\mu_{21}\mu_{22}\mu_{04}\mu_{41} + 4\mu_{11}^2\mu_{21}\mu_{13}^2\mu_{41} \\
& -4\mu_{11}^2\mu_{12}\mu_{40}\mu_{22}\mu_{14} + 7\mu_{11}^2\mu_{12}\mu_{40}\mu_{13}\mu_{23} - 3\mu_{11}^2\mu_{12}\mu_{40}\mu_{04}\mu_{32} \\
& +4\mu_{11}^2\mu_{12}\mu_{31}^2\mu_{14} - 7\mu_{11}^2\mu_{12}\mu_{31}\mu_{22}\mu_{23} - 6\mu_{11}^2\mu_{12}\mu_{31}\mu_{13}\mu_{32} \\
& +5\mu_{11}^2\mu_{12}\mu_{31}\mu_{04}\mu_{41} + 9\mu_{11}^2\mu_{12}\mu_{22}^2\mu_{32} - 5\mu_{11}^2\mu_{12}\mu_{22}\mu_{13}\mu_{41} \\
& -2\mu_{11}^2\mu_{12}\mu_{22}\mu_{04}\mu_{50} + 2\mu_{11}^2\mu_{12}\mu_{13}^2\mu_{50} - 2\mu_{11}^2\mu_{03}\mu_{40}\mu_{22}\mu_{23} \\
& +3\mu_{11}^2\mu_{03}\mu_{40}\mu_{13}\mu_{32} - \mu_{11}^2\mu_{03}\mu_{40}\mu_{04}\mu_{41} + 2\mu_{11}^2\mu_{03}\mu_{31}^2\mu_{23} \\
& -3\mu_{11}^2\mu_{03}\mu_{31}\mu_{22}\mu_{32} - 2\mu_{11}^2\mu_{03}\mu_{31}\mu_{13}\mu_{41} + \mu_{11}^2\mu_{03}\mu_{31}\mu_{04}\mu_{50} \\
& +3\mu_{11}^2\mu_{03}\mu_{22}^2\mu_{41} - \mu_{11}^2\mu_{03}\mu_{22}\mu_{13}\mu_{50} - 2\mu_{11}\mu_{02}\mu_{30}\mu_{40}\mu_{13}\mu_{14} \\
& +2\mu_{11}\mu_{02}\mu_{30}\mu_{40}\mu_{04}\mu_{23} + 2\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{22}\mu_{14} \\
& +4\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{13}\mu_{23} - 6\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{04}\mu_{32} \\
& -6\mu_{11}\mu_{02}\mu_{30}\mu_{22}^2\mu_{23} + 6\mu_{11}\mu_{02}\mu_{30}\mu_{22}\mu_{13}\mu_{32}
\end{aligned}
$$

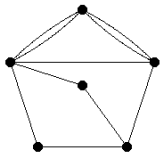
$$
\begin{aligned}
&+4\mu_{11}\mu_{02}\mu_{30}\mu_{22}\mu_{04}\mu_{41} - 4\mu_{11}\mu_{02}\mu_{30}\mu_{13}^2\mu_{41}\\
&+4\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{22}\mu_{14} - 8\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{13}\mu_{23}\\
&+4\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{04}\mu_{32} - 4\mu_{11}\mu_{02}\mu_{21}\mu_{31}^2\mu_{14}\\
&+8\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{22}\mu_{23} + 8\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{13}\mu_{32}\\
&-8\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{04}\mu_{41} - 12\mu_{11}\mu_{02}\mu_{21}\mu_{22}^2\mu_{32}\\
&+8\mu_{11}\mu_{02}\mu_{21}\mu_{22}\mu_{13}\mu_{41} + 4\mu_{11}\mu_{02}\mu_{21}\mu_{22}\mu_{04}\mu_{50}\\
&-4\mu_{11}\mu_{02}\mu_{21}\mu_{13}^2\mu_{50} + 4\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{22}\mu_{23}\\
&-6\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{13}\mu_{32} + 2\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{04}\mu_{41}\\
&-4\mu_{11}\mu_{02}\mu_{12}\mu_{31}^2\mu_{23} + 6\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{22}\mu_{32}\\
&+4\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{13}\mu_{41} - 2\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{04}\mu_{50}\\
&-6\mu_{11}\mu_{02}\mu_{12}\mu_{22}^2\mu_{41} + 2\mu_{11}\mu_{02}\mu_{12}\mu_{22}\mu_{13}\mu_{50} + \mu_{02}^2\mu_{30}\mu_{40}\mu_{13}\mu_{23}\\
&-\mu_{02}^2\mu_{30}\mu_{40}\mu_{04}\mu_{32} - \mu_{02}^2\mu_{30}\mu_{31}\mu_{22}\mu_{23} - 2\mu_{02}^2\mu_{30}\mu_{31}\mu_{13}\mu_{32}\\
&+3\mu_{02}^2\mu_{30}\mu_{31}\mu_{04}\mu_{41} + 3\mu_{02}^2\mu_{30}\mu_{22}^2\mu_{32} - 3\mu_{02}^2\mu_{30}\mu_{22}\mu_{13}\mu_{41}\\
&-2\mu_{02}^2\mu_{30}\mu_{22}\mu_{04}\mu_{50} + 2\mu_{02}^2\mu_{30}\mu_{13}^2\mu_{50} - 2\mu_{02}^2\mu_{21}\mu_{40}\mu_{22}\mu_{23}\\
&+3\mu_{02}^2\mu_{21}\mu_{40}\mu_{13}\mu_{32} - \mu_{02}^2\mu_{21}\mu_{40}\mu_{04}\mu_{41} + 2\mu_{02}^2\mu_{21}\mu_{31}^2\mu_{23}\\
&-3\mu_{02}^2\mu_{21}\mu_{31}\mu_{22}\mu_{32} - 2\mu_{02}^2\mu_{21}\mu_{31}\mu_{13}\mu_{41} + \mu_{02}^2\mu_{21}\mu_{31}\mu_{04}\mu_{50}\\
&+3\mu_{02}^2\mu_{21}\mu_{22}^2\mu_{41} - \mu_{02}^2\mu_{21}\mu_{22}\mu_{13}\mu_{50})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 2,1,2,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 4 |
| 2 | 3 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 |



$$
\begin{aligned}
I_{110} \;=\; & (\mu_{20}^4\mu_{12}\mu_{13}\mu_{05} - \mu_{20}^4\mu_{12}\mu_{04}\mu_{14} - \mu_{20}^4\mu_{03}\mu_{22}\mu_{05} + \mu_{20}^4\mu_{03}\mu_{13}\mu_{14} \\
& -2\mu_{20}^3\mu_{11}\mu_{21}\mu_{13}\mu_{05} + 2\mu_{20}^3\mu_{11}\mu_{21}\mu_{04}\mu_{14} - 4\mu_{20}^3\mu_{11}\mu_{12}\mu_{13}\mu_{14} \\
& +4\mu_{20}^3\mu_{11}\mu_{12}\mu_{04}\mu_{23} + 2\mu_{20}^3\mu_{11}\mu_{03}\mu_{31}\mu_{05} + 2\mu_{20}^3\mu_{11}\mu_{03}\mu_{22}\mu_{14} \\
& -4\mu_{20}^3\mu_{11}\mu_{03}\mu_{13}\mu_{23} + 2\mu_{20}^3\mu_{02}\mu_{21}\mu_{13}\mu_{14} - 2\mu_{20}^3\mu_{02}\mu_{21}\mu_{04}\mu_{23} \\
& +\mu_{20}^3\mu_{02}\mu_{12}\mu_{31}\mu_{05} - 3\mu_{20}^3\mu_{02}\mu_{12}\mu_{22}\mu_{14} + 3\mu_{20}^3\mu_{02}\mu_{12}\mu_{13}\mu_{23} \\
& -\mu_{20}^3\mu_{02}\mu_{12}\mu_{04}\mu_{32} - \mu_{20}^3\mu_{02}\mu_{03}\mu_{40}\mu_{05} + \mu_{20}^3\mu_{02}\mu_{03}\mu_{31}\mu_{14} \\
& -\mu_{20}^3\mu_{02}\mu_{03}\mu_{22}\mu_{23} + \mu_{20}^3\mu_{02}\mu_{03}\mu_{13}\mu_{32} + \mu_{20}^2\mu_{11}^2\mu_{30}\mu_{13}\mu_{05} \\
& -\mu_{20}^2\mu_{11}^2\mu_{30}\mu_{04}\mu_{14} + 3\mu_{20}^2\mu_{11}^2\mu_{21}\mu_{22}\mu_{05} + 3\mu_{20}^2\mu_{11}^2\mu_{21}\mu_{13}\mu_{14} \\
& -6\mu_{20}^2\mu_{11}^2\mu_{21}\mu_{04}\mu_{23} - 4\mu_{20}^2\mu_{11}^2\mu_{12}\mu_{31}\mu_{05} + 6\mu_{20}^2\mu_{11}^2\mu_{12}\mu_{22}\mu_{14} \\
& +3\mu_{20}^2\mu_{11}^2\mu_{12}\mu_{13}\mu_{23} - 5\mu_{20}^2\mu_{11}^2\mu_{12}\mu_{04}\mu_{32} - 8\mu_{20}^2\mu_{11}^2\mu_{03}\mu_{31}\mu_{14} \\
& +3\mu_{20}^2\mu_{11}^2\mu_{03}\mu_{22}\mu_{23} + 5\mu_{20}^2\mu_{11}^2\mu_{03}\mu_{13}\mu_{32} - 2\mu_{20}^2\mu_{11}\mu_{02}\mu_{30}\mu_{13}\mu_{14} \\
& +2\mu_{20}^2\mu_{11}\mu_{02}\mu_{30}\mu_{04}\mu_{23} - 2\mu_{20}^2\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{05} \\
& -6\mu_{20}^2\mu_{11}\mu_{02}\mu_{21}\mu_{13}\mu_{23} + 8\mu_{20}^2\mu_{11}\mu_{02}\mu_{21}\mu_{04}\mu_{32} \\
& +2\mu_{20}^2\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{05} - 2\mu_{20}^2\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{14} \\
& +6\mu_{20}^2\mu_{11}\mu_{02}\mu_{12}\mu_{22}\mu_{23} - 8\mu_{20}^2\mu_{11}\mu_{02}\mu_{12}\mu_{13}\mu_{32} \\
& +2\mu_{20}^2\mu_{11}\mu_{02}\mu_{12}\mu_{04}\mu_{41} + 4\mu_{20}^2\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{14} \\
& -2\mu_{20}^2\mu_{11}\mu_{02}\mu_{03}\mu_{31}\mu_{23} - 2\mu_{20}^2\mu_{11}\mu_{02}\mu_{03}\mu_{13}\mu_{41} \\
& +\mu_{20}^2\mu_{02}^2\mu_{30}\mu_{13}\mu_{23} - \mu_{20}^2\mu_{02}^2\mu_{30}\mu_{04}\mu_{32} + 2\mu_{20}^2\mu_{02}^2\mu_{21}\mu_{31}\mu_{14} \\
& -3\mu_{20}^2\mu_{02}^2\mu_{21}\mu_{22}\mu_{23} + 3\mu_{20}^2\mu_{02}^2\mu_{21}\mu_{13}\mu_{32} - 2\mu_{20}^2\mu_{02}^2\mu_{21}\mu_{04}\mu_{41} \\
& -2\mu_{20}^2\mu_{02}^2\mu_{12}\mu_{40}\mu_{14} + 3\mu_{20}^2\mu_{02}^2\mu_{12}\mu_{31}\mu_{23} - 3\mu_{20}^2\mu_{02}^2\mu_{12}\mu_{22}\mu_{32} \\
& +2\mu_{20}^2\mu_{02}^2\mu_{12}\mu_{13}\mu_{41} - \mu_{20}^2\mu_{02}^2\mu_{03}\mu_{40}\mu_{23} + \mu_{20}^2\mu_{02}^2\mu_{03}\mu_{31}\mu_{32} \\
& -2\mu_{20}\mu_{11}^3\mu_{30}\mu_{22}\mu_{05} + 2\mu_{20}\mu_{11}^3\mu_{30}\mu_{04}\mu_{23} + 2\mu_{20}\mu_{11}^3\mu_{21}\mu_{31}\mu_{05} \\
& -12\mu_{20}\mu_{11}^3\mu_{21}\mu_{22}\mu_{14} + 6\mu_{20}\mu_{11}^3\mu_{21}\mu_{13}\mu_{23} + 4\mu_{20}\mu_{11}^3\mu_{21}\mu_{04}\mu_{32} \\
& +12\mu_{20}\mu_{11}^3\mu_{12}\mu_{31}\mu_{14} - 18\mu_{20}\mu_{11}^3\mu_{12}\mu_{22}\mu_{23} + 4\mu_{20}\mu_{11}^3\mu_{12}\mu_{13}\mu_{32} \\
& +2\mu_{20}\mu_{11}^3\mu_{12}\mu_{04}\mu_{41} + 10\mu_{20}\mu_{11}^3\mu_{03}\mu_{31}\mu_{23} - 8\mu_{20}\mu_{11}^3\mu_{03}\mu_{22}\mu_{32} \\
& -2\mu_{20}\mu_{11}^3\mu_{03}\mu_{13}\mu_{41} + \mu_{20}\mu_{11}^2\mu_{02}\mu_{30}\mu_{31}\mu_{05} \\
& +3\mu_{20}\mu_{11}^2\mu_{02}\mu_{30}\mu_{22}\mu_{14} + \mu_{20}\mu_{11}^2\mu_{02}\mu_{30}\mu_{13}\mu_{23} \\
& -5\mu_{20}\mu_{11}^2\mu_{02}\mu_{30}\mu_{04}\mu_{32} - \mu_{20}\mu_{11}^2\mu_{02}\mu_{21}\mu_{40}\mu_{05} \\
& +3\mu_{20}\mu_{11}^2\mu_{02}\mu_{21}\mu_{31}\mu_{14} + 9\mu_{20}\mu_{11}^2\mu_{02}\mu_{21}\mu_{22}\mu_{23} \\
& -5\mu_{20}\mu_{11}^2\mu_{02}\mu_{21}\mu_{13}\mu_{32} - 6\mu_{20}\mu_{11}^2\mu_{02}\mu_{21}\mu_{04}\mu_{41} \\
& -6\mu_{20}\mu_{11}^2\mu_{02}\mu_{12}\mu_{40}\mu_{14} - 5\mu_{20}\mu_{11}^2\mu_{02}\mu_{12}\mu_{31}\mu_{23} \\
& +9\mu_{20}\mu_{11}^2\mu_{02}\mu_{12}\mu_{22}\mu_{32} + 3\mu_{20}\mu_{11}^2\mu_{02}\mu_{12}\mu_{13}\mu_{41} \\
& -\mu_{20}\mu_{11}^2\mu_{02}\mu_{12}\mu_{04}\mu_{50} - 5\mu_{20}\mu_{11}^2\mu_{02}\mu_{03}\mu_{40}\mu_{23} \\
& +\mu_{20}\mu_{11}^2\mu_{02}\mu_{03}\mu_{31}\mu_{32} + 3\mu_{20}\mu_{11}^2\mu_{02}\mu_{03}\mu_{22}\mu_{41} \\
& +\mu_{20}\mu_{11}^2\mu_{02}\mu_{03}\mu_{13}\mu_{50} - 2\mu_{20}\mu_{11}\mu_{02}^2\mu_{30}\mu_{31}\mu_{14} \\
& -2\mu_{20}\mu_{11}\mu_{02}^2\mu_{30}\mu_{13}\mu_{32} + 4\mu_{20}\mu_{11}\mu_{02}^2\mu_{30}\mu_{04}\mu_{41} \\
& +2\mu_{20}\mu_{11}\mu_{02}^2\mu_{21}\mu_{40}\mu_{14} - 8\mu_{20}\mu_{11}\mu_{02}^2\mu_{21}\mu_{31}\mu_{23} \\
& +6\mu_{20}\mu_{11}\mu_{02}^2\mu_{21}\mu_{22}\mu_{32} - 2\mu_{20}\mu_{11}\mu_{02}^2\mu_{21}\mu_{13}\mu_{41} \\
& +2\mu_{20}\mu_{11}\mu_{02}^2\mu_{21}\mu_{04}\mu_{50} + 8\mu_{20}\mu_{11}\mu_{02}^2\mu_{12}\mu_{40}\mu_{23} \\
& -6\mu_{20}\mu_{11}\mu_{02}^2\mu_{12}\mu_{31}\mu_{32} - 2\mu_{20}\mu_{11}\mu_{02}^2\mu_{12}\mu_{13}\mu_{50} \\
& +2\mu_{20}\mu_{11}\mu_{02}^2\mu_{03}\mu_{40}\mu_{32} - 2\mu_{20}\mu_{11}\mu_{02}^2\mu_{03}\mu_{31}\mu_{41} \\
& +\mu_{20}\mu_{02}^3\mu_{30}\mu_{31}\mu_{23} - \mu_{20}\mu_{02}^3\mu_{30}\mu_{22}\mu_{32} + \mu_{20}\mu_{02}^3\mu_{30}\mu_{13}\mu_{41} \\
& -\mu_{20}\mu_{02}^3\mu_{30}\mu_{04}\mu_{50} - \mu_{20}\mu_{02}^3\mu_{21}\mu_{40}\mu_{23} + 3\mu_{20}\mu_{02}^3\mu_{21}\mu_{31}\mu_{32} \\
& -3\mu_{20}\mu_{02}^3\mu_{21}\mu_{22}\mu_{41} + \mu_{20}\mu_{02}^3\mu_{21}\mu_{13}\mu_{50} - 2\mu_{20}\mu_{02}^3\mu_{12}\mu_{40}\mu_{32} \\
& +2\mu_{20}\mu_{02}^3\mu_{12}\mu_{31}\mu_{41} + 4\mu_{11}^4\mu_{30}\mu_{22}\mu_{14} - 4\mu_{11}^4\mu_{30}\mu_{13}\mu_{23} \\
& -4\mu_{11}^4\mu_{21}\mu_{31}\mu_{14} + 12\mu_{11}^4\mu_{21}\mu_{22}\mu_{23} - 8\mu_{11}^4\mu_{21}\mu_{13}\mu_{32} - 8\mu_{11}^4\mu_{12}\mu_{31}\mu_{23}
\end{aligned}
$$

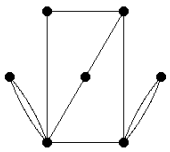
$$+12\mu_{11}^4\mu_{12}\mu_{22}\mu_{32} - 4\mu_{11}^4\mu_{12}\mu_{13}\mu_{41} - 4\mu_{11}^4\mu_{03}\mu_{31}\mu_{32} + 4\mu_{11}^4\mu_{03}\mu_{22}\mu_{41}$$
$$-2\mu_{11}^3\mu_{02}\mu_{30}\mu_{31}\mu_{14} - 8\mu_{11}^3\mu_{02}\mu_{30}\mu_{22}\mu_{23} + 10\mu_{11}^3\mu_{02}\mu_{30}\mu_{13}\mu_{32}$$
$$+2\mu_{11}^3\mu_{02}\mu_{21}\mu_{40}\mu_{14} + 4\mu_{11}^3\mu_{02}\mu_{21}\mu_{31}\mu_{23} - 18\mu_{11}^3\mu_{02}\mu_{21}\mu_{22}\mu_{32}$$
$$+12\mu_{11}^3\mu_{02}\mu_{21}\mu_{13}\mu_{41} + 4\mu_{11}^3\mu_{02}\mu_{12}\mu_{40}\mu_{23} + 6\mu_{11}^3\mu_{02}\mu_{12}\mu_{31}\mu_{32}$$
$$-12\mu_{11}^3\mu_{02}\mu_{12}\mu_{22}\mu_{41} + 2\mu_{11}^3\mu_{02}\mu_{12}\mu_{13}\mu_{50} + 2\mu_{11}^3\mu_{02}\mu_{03}\mu_{40}\mu_{32}$$
$$-2\mu_{11}^3\mu_{02}\mu_{03}\mu_{22}\mu_{50} + 5\mu_{11}^2\mu_{02}^2\mu_{30}\mu_{31}\mu_{23} + 3\mu_{11}^2\mu_{02}^2\mu_{30}\mu_{22}\mu_{32}$$
$$-8\mu_{11}^2\mu_{02}^2\mu_{30}\mu_{13}\mu_{41} - 5\mu_{11}^2\mu_{02}^2\mu_{21}\mu_{40}\mu_{23} + 3\mu_{11}^2\mu_{02}^2\mu_{21}\mu_{31}\mu_{32}$$
$$+6\mu_{11}^2\mu_{02}^2\mu_{21}\mu_{22}\mu_{41} - 4\mu_{11}^2\mu_{02}^2\mu_{21}\mu_{13}\mu_{50} - 6\mu_{11}^2\mu_{02}^2\mu_{12}\mu_{40}\mu_{32}$$
$$+3\mu_{11}^2\mu_{02}^2\mu_{12}\mu_{31}\mu_{41} + 3\mu_{11}^2\mu_{02}^2\mu_{12}\mu_{22}\mu_{50} - \mu_{11}^2\mu_{02}^2\mu_{03}\mu_{40}\mu_{41}$$
$$+\mu_{11}^2\mu_{02}^2\mu_{03}\mu_{31}\mu_{50} - 4\mu_{11}\mu_{02}^3\mu_{30}\mu_{31}\mu_{32} + 2\mu_{11}\mu_{02}^3\mu_{30}\mu_{22}\mu_{41}$$
$$+2\mu_{11}\mu_{02}^3\mu_{30}\mu_{13}\mu_{50} + 4\mu_{11}\mu_{02}^3\mu_{21}\mu_{40}\mu_{32} - 4\mu_{11}\mu_{02}^3\mu_{21}\mu_{31}\mu_{41}$$
$$+2\mu_{11}\mu_{02}^3\mu_{12}\mu_{40}\mu_{41} - 2\mu_{11}\mu_{02}^3\mu_{12}\mu_{31}\mu_{50} + \mu_{02}^4\mu_{30}\mu_{31}\mu_{41}$$
$$-\mu_{02}^4\mu_{30}\mu_{22}\mu_{50} - \mu_{02}^4\mu_{21}\mu_{40}\mu_{41} + \mu_{02}^4\mu_{21}\mu_{31}\mu_{50})/\mu_{00}^{17}$$

weight=10

structure: 4,1,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 4 |
| 2 | 3 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 7 |



$$
\begin{aligned}
I_{111} \;=\; & (\mu_{20}\mu_{30}^2\mu_{21}\mu_{04}\mu_{05} - \mu_{20}\mu_{30}^2\mu_{12}\mu_{13}\mu_{05} - \mu_{20}\mu_{30}^2\mu_{12}\mu_{04}\mu_{14} \\
& +\mu_{20}\mu_{30}^2\mu_{03}\mu_{13}\mu_{14} - 3\mu_{20}\mu_{30}\mu_{21}^2\mu_{13}\mu_{05} - 3\mu_{20}\mu_{30}\mu_{21}^2\mu_{04}\mu_{14} \\
& +4\mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{05} + 10\mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{13}\mu_{14} \\
& +4\mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{04}\mu_{23} - 4\mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{22}\mu_{14} \\
& -4\mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{13}\mu_{23} - \mu_{20}\mu_{30}\mu_{12}^2\mu_{31}\mu_{05} - 5\mu_{20}\mu_{30}\mu_{12}^2\mu_{22}\mu_{14} \\
& -5\mu_{20}\mu_{30}\mu_{12}^2\mu_{13}\mu_{23} - \mu_{20}\mu_{30}\mu_{12}^2\mu_{04}\mu_{32} + 2\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{31}\mu_{14} \\
& +6\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{22}\mu_{23} + 2\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{13}\mu_{32} \\
& -\mu_{20}\mu_{30}\mu_{03}^2\mu_{31}\mu_{23} - \mu_{20}\mu_{30}\mu_{03}^2\mu_{22}\mu_{32} + 2\mu_{20}\mu_{21}^3\mu_{22}\mu_{05} \\
& +5\mu_{20}\mu_{21}^3\mu_{13}\mu_{14} + 2\mu_{20}\mu_{21}^3\mu_{04}\mu_{23} - 3\mu_{20}\mu_{21}^2\mu_{12}\mu_{31}\mu_{05} \\
& -15\mu_{20}\mu_{21}^2\mu_{12}\mu_{22}\mu_{14} - 15\mu_{20}\mu_{21}^2\mu_{12}\mu_{13}\mu_{23} - 3\mu_{20}\mu_{21}^2\mu_{12}\mu_{04}\mu_{32} \\
& +3\mu_{20}\mu_{21}^2\mu_{03}\mu_{31}\mu_{14} + 9\mu_{20}\mu_{21}^2\mu_{03}\mu_{22}\mu_{23} + 3\mu_{20}\mu_{21}^2\mu_{03}\mu_{13}\mu_{32} \\
& +\mu_{20}\mu_{21}\mu_{12}^2\mu_{40}\mu_{05} + 11\mu_{20}\mu_{21}\mu_{12}^2\mu_{31}\mu_{14} + 21\mu_{20}\mu_{21}\mu_{12}^2\mu_{22}\mu_{23} \\
& +11\mu_{20}\mu_{21}\mu_{12}^2\mu_{13}\mu_{32} + \mu_{20}\mu_{21}\mu_{12}^2\mu_{04}\mu_{41} - 2\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{14} \\
& -16\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{23} - 16\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{32} \\
& -2\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{13}\mu_{41} + \mu_{20}\mu_{21}\mu_{03}^2\mu_{40}\mu_{23} + 5\mu_{20}\mu_{21}\mu_{03}^2\mu_{31}\mu_{32} \\
& +\mu_{20}\mu_{21}\mu_{03}^2\mu_{22}\mu_{41} - 2\mu_{20}\mu_{12}^3\mu_{40}\mu_{14} - 7\mu_{20}\mu_{12}^3\mu_{31}\mu_{23} \\
& -7\mu_{20}\mu_{12}^3\mu_{22}\mu_{32} - 2\mu_{20}\mu_{12}^3\mu_{13}\mu_{41} + 5\mu_{20}\mu_{12}^2\mu_{03}\mu_{40}\mu_{23} \\
& +11\mu_{20}\mu_{12}^2\mu_{03}\mu_{31}\mu_{32} + 5\mu_{20}\mu_{12}^2\mu_{03}\mu_{22}\mu_{41} - 4\mu_{20}\mu_{12}\mu_{03}^2\mu_{40}\mu_{32} \\
& -4\mu_{20}\mu_{12}\mu_{03}^2\mu_{31}\mu_{41} + \mu_{20}\mu_{03}^3\mu_{40}\mu_{41} - \mu_{11}\mu_{30}^3\mu_{04}\mu_{05} \\
& +4\mu_{11}\mu_{30}^2\mu_{21}\mu_{13}\mu_{05} + 3\mu_{11}\mu_{30}^2\mu_{21}\mu_{04}\mu_{14} - \mu_{11}\mu_{30}^2\mu_{12}\mu_{22}\mu_{05} \\
& -4\mu_{11}\mu_{30}^2\mu_{12}\mu_{13}\mu_{14} + \mu_{11}\mu_{30}^2\mu_{03}\mu_{22}\mu_{14} - 5\mu_{11}\mu_{30}\mu_{21}^2\mu_{22}\mu_{05} \\
& -8\mu_{11}\mu_{30}\mu_{21}^2\mu_{13}\mu_{14} - 2\mu_{11}\mu_{30}\mu_{21}^2\mu_{04}\mu_{23} + 2\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{31}\mu_{05} \\
& +12\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{14} + 6\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{13}\mu_{23} \\
& -2\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{04}\mu_{32} - 2\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{31}\mu_{14} \\
& -2\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{22}\mu_{23} + 2\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{13}\mu_{32} \\
& -2\mu_{11}\mu_{30}\mu_{12}^2\mu_{31}\mu_{14} - 4\mu_{11}\mu_{30}\mu_{12}^2\mu_{22}\mu_{23} + 2\mu_{11}\mu_{30}\mu_{12}^2\mu_{13}\mu_{32} \\
& +\mu_{11}\mu_{30}\mu_{12}^2\mu_{04}\mu_{41} + 2\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{31}\mu_{23} \\
& -2\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{22}\mu_{32} - 2\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{13}\mu_{41} \\
& +\mu_{11}\mu_{30}\mu_{03}^2\mu_{22}\mu_{41} + 2\mu_{11}\mu_{21}^3\mu_{31}\mu_{05} + 5\mu_{11}\mu_{21}^3\mu_{22}\mu_{14} \\
& +2\mu_{11}\mu_{21}^3\mu_{13}\mu_{23} - \mu_{11}\mu_{21}^2\mu_{12}\mu_{40}\mu_{05} - 8\mu_{11}\mu_{21}^2\mu_{12}\mu_{31}\mu_{14} \\
& -6\mu_{11}\mu_{21}^2\mu_{12}\mu_{22}\mu_{23} + 4\mu_{11}\mu_{21}^2\mu_{12}\mu_{13}\mu_{32} + 2\mu_{11}\mu_{21}^2\mu_{12}\mu_{04}\mu_{41} \\
& +\mu_{11}\mu_{21}^2\mu_{03}\mu_{40}\mu_{14} + 2\mu_{11}\mu_{21}^2\mu_{03}\mu_{31}\mu_{23} - 4\mu_{11}\mu_{21}^2\mu_{03}\mu_{22}\mu_{32} \\
& -2\mu_{11}\mu_{21}^2\mu_{03}\mu_{13}\mu_{41} + 2\mu_{11}\mu_{21}\mu_{12}^2\mu_{40}\mu_{14} + 4\mu_{11}\mu_{21}\mu_{12}^2\mu_{31}\mu_{23} \\
& -6\mu_{11}\mu_{21}\mu_{12}^2\mu_{22}\mu_{32} - 8\mu_{11}\mu_{21}\mu_{12}^2\mu_{13}\mu_{41} - \mu_{11}\mu_{21}\mu_{12}^2\mu_{04}\mu_{50} \\
& -2\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{23} + 6\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{32} \\
& +12\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{41} + 2\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{13}\mu_{50} \\
& -4\mu_{11}\mu_{21}\mu_{03}^2\mu_{31}\mu_{41} - \mu_{11}\mu_{21}\mu_{03}^2\mu_{22}\mu_{50} + 2\mu_{11}\mu_{12}^3\mu_{31}\mu_{32} \\
& +5\mu_{11}\mu_{12}^3\mu_{22}\mu_{41} + 2\mu_{11}\mu_{12}^3\mu_{13}\mu_{50} - 2\mu_{11}\mu_{12}^2\mu_{03}\mu_{40}\mu_{32} \\
& -8\mu_{11}\mu_{12}^2\mu_{03}\mu_{31}\mu_{41} - 5\mu_{11}\mu_{12}^2\mu_{03}\mu_{22}\mu_{50} + 3\mu_{11}\mu_{12}\mu_{03}^2\mu_{40}\mu_{41} \\
& +4\mu_{11}\mu_{12}\mu_{03}^2\mu_{31}\mu_{50} - \mu_{11}\mu_{03}^3\mu_{40}\mu_{50} + \mu_{02}\mu_{30}^3\mu_{04}\mu_{14} \\
& -4\mu_{02}\mu_{30}^2\mu_{21}\mu_{13}\mu_{14} - 4\mu_{02}\mu_{30}^2\mu_{21}\mu_{04}\mu_{23} + \mu_{02}\mu_{30}^2\mu_{12}\mu_{22}\mu_{14} \\
& +5\mu_{02}\mu_{30}^2\mu_{12}\mu_{13}\mu_{23} + \mu_{02}\mu_{30}^2\mu_{12}\mu_{04}\mu_{32} - \mu_{02}\mu_{30}^2\mu_{03}\mu_{22}\mu_{23} \\
& -\mu_{02}\mu_{30}^2\mu_{03}\mu_{13}\mu_{32} + 5\mu_{02}\mu_{30}\mu_{21}^2\mu_{22}\mu_{14} + 11\mu_{02}\mu_{30}\mu_{21}^2\mu_{13}\mu_{23} \\
& +5\mu_{02}\mu_{30}\mu_{21}^2\mu_{04}\mu_{32} - 2\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{31}\mu_{14} \\
& -16\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{23} - 16\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{13}\mu_{32} \\
& -2\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{04}\mu_{41} + 2\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{31}\mu_{23}
\end{aligned}
$$

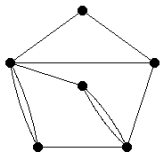
$$
\begin{aligned}
&+6\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{22}\mu_{32} + 2\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{13}\mu_{41}\\
&+3\mu_{02}\mu_{30}\mu_{12}^2\mu_{31}\mu_{23} + 9\mu_{02}\mu_{30}\mu_{12}^2\mu_{22}\mu_{32} + 3\mu_{02}\mu_{30}\mu_{12}^2\mu_{13}\mu_{41}\\
&-4\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{31}\mu_{32} - 4\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{22}\mu_{41}\\
&+\mu_{02}\mu_{30}\mu_{03}^2\mu_{31}\mu_{41} - 2\mu_{02}\mu_{21}^3\mu_{31}\mu_{14} - 7\mu_{02}\mu_{21}^3\mu_{22}\mu_{23}\\
&-7\mu_{02}\mu_{21}^3\mu_{13}\mu_{32} - 2\mu_{02}\mu_{21}^3\mu_{04}\mu_{41} + \mu_{02}\mu_{21}^2\mu_{12}\mu_{40}\mu_{14}\\
&+11\mu_{02}\mu_{21}^2\mu_{12}\mu_{31}\mu_{23} + 21\mu_{02}\mu_{21}^2\mu_{12}\mu_{22}\mu_{32} + 11\mu_{02}\mu_{21}^2\mu_{12}\mu_{13}\mu_{41}\\
&+\mu_{02}\mu_{21}^2\mu_{12}\mu_{04}\mu_{50} - \mu_{02}\mu_{21}^2\mu_{03}\mu_{40}\mu_{23} - 5\mu_{02}\mu_{21}^2\mu_{03}\mu_{31}\mu_{32}\\
&-5\mu_{02}\mu_{21}^2\mu_{03}\mu_{22}\mu_{41} - \mu_{02}\mu_{21}^2\mu_{03}\mu_{13}\mu_{50} - 3\mu_{02}\mu_{21}\mu_{12}^2\mu_{40}\mu_{23}\\
&-15\mu_{02}\mu_{21}\mu_{12}^2\mu_{31}\mu_{32} - 15\mu_{02}\mu_{21}\mu_{12}^2\mu_{22}\mu_{41} - 3\mu_{02}\mu_{21}\mu_{12}^2\mu_{13}\mu_{50}\\
&+4\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{32} + 10\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{41}\\
&+4\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{50} - \mu_{02}\mu_{21}\mu_{03}^2\mu_{40}\mu_{41} - \mu_{02}\mu_{21}\mu_{03}^2\mu_{31}\mu_{50}\\
&+2\mu_{02}\mu_{12}^3\mu_{40}\mu_{32} + 5\mu_{02}\mu_{12}^3\mu_{31}\mu_{41} + 2\mu_{02}\mu_{12}^3\mu_{22}\mu_{50}\\
&-3\mu_{02}\mu_{12}^2\mu_{03}\mu_{40}\mu_{41} - 3\mu_{02}\mu_{12}^2\mu_{03}\mu_{31}\mu_{50} + \mu_{02}\mu_{12}\mu_{03}^2\mu_{40}\mu_{50})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 1,3,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 |
| 2 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 |



**Homogeneous invariants of the order 6**

$$I_{112} = (\mu_{60}\mu_{06} - 6\mu_{51}\mu_{15} + 15\mu_{42}\mu_{24} - 10\mu_{33}^2)/\mu_{00}^8$$

weight=6

structure: 0,0,0,0,2

Generating graph:

| | | | | | |
|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 |

**Simultaneous invariants of the orders 2 and 6**

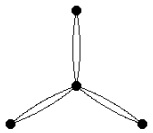
$$\begin{aligned} I_{113} &= (\mu_{20}^3\mu_{06} - 6\mu_{20}^2\mu_{11}\mu_{15} + 3\mu_{20}^2\mu_{02}\mu_{24} + 12\mu_{20}\mu_{11}^2\mu_{24} - 12\mu_{20}\mu_{11}\mu_{02}\mu_{33} \\ &\quad +3\mu_{20}\mu_{02}^2\mu_{42} - 8\mu_{11}^3\mu_{33} + 12\mu_{11}^2\mu_{02}\mu_{42} - 6\mu_{11}\mu_{02}^2\mu_{51} + \mu_{02}^3\mu_{60})/\mu_{00}^{10} \end{aligned}$$

weight=6

structure: 3,0,0,0,1

Generating graph:

| | | | | | |
|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 3 | 3 | 4 | 4 |



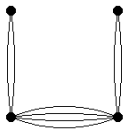
$$\begin{aligned} I_{114} &= (\mu_{20}^2\mu_{42}\mu_{06} - 4\mu_{20}^2\mu_{33}\mu_{15} + 3\mu_{20}^2\mu_{24}^2 - 2\mu_{20}\mu_{11}\mu_{51}\mu_{06} + 6\mu_{20}\mu_{11}\mu_{42}\mu_{15} \\ &\quad -4\mu_{20}\mu_{11}\mu_{33}\mu_{24} + \mu_{20}\mu_{02}\mu_{60}\mu_{06} - 4\mu_{20}\mu_{02}\mu_{51}\mu_{15} + 7\mu_{20}\mu_{02}\mu_{42}\mu_{24} \\ &\quad -4\mu_{20}\mu_{02}\mu_{33}^2 + 4\mu_{11}^2\mu_{51}\mu_{15} - 16\mu_{11}^2\mu_{42}\mu_{24} + 12\mu_{11}^2\mu_{33}^2 - 2\mu_{11}\mu_{02}\mu_{60}\mu_{15} \\ &\quad +6\mu_{11}\mu_{02}\mu_{51}\mu_{24} - 4\mu_{11}\mu_{02}\mu_{42}\mu_{33} + \mu_{02}^2\mu_{60}\mu_{24} - 4\mu_{02}^2\mu_{51}\mu_{33} + 3\mu_{02}^2\mu_{42}^2)/\mu_{00}^{12} \end{aligned}$$

weight=8

structure: 2,0,0,0,2

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 |



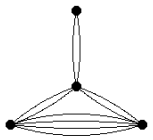
$$\begin{aligned} I_{115} &= (\mu_{20}\mu_{60}\mu_{24}\mu_{06} - \mu_{20}\mu_{60}\mu_{15}^2 - 3\mu_{20}\mu_{51}\mu_{33}\mu_{06} + 3\mu_{20}\mu_{51}\mu_{24}\mu_{15} \\ &\quad +2\mu_{20}\mu_{42}^2\mu_{06} - \mu_{20}\mu_{42}\mu_{33}\mu_{15} - 3\mu_{20}\mu_{42}\mu_{24}^2 + 2\mu_{20}\mu_{33}^2\mu_{24} \\ &\quad -\mu_{11}\mu_{60}\mu_{33}\mu_{06} + \mu_{11}\mu_{60}\mu_{24}\mu_{15} + \mu_{11}\mu_{51}\mu_{42}\mu_{06} + 8\mu_{11}\mu_{51}\mu_{33}\mu_{15} \\ &\quad -9\mu_{11}\mu_{51}\mu_{24}^2 - 9\mu_{11}\mu_{42}^2\mu_{15} + 17\mu_{11}\mu_{42}\mu_{33}\mu_{24} - 8\mu_{11}\mu_{33}^3 + \mu_{02}\mu_{60}\mu_{42}\mu_{06} \\ &\quad -3\mu_{02}\mu_{60}\mu_{33}\mu_{15} + 2\mu_{02}\mu_{60}\mu_{24}^2 - \mu_{02}\mu_{51}^2\mu_{06} + 3\mu_{02}\mu_{51}\mu_{42}\mu_{15} \\ &\quad -\mu_{02}\mu_{51}\mu_{33}\mu_{24} - 3\mu_{02}\mu_{42}^2\mu_{24} + 2\mu_{02}\mu_{42}\mu_{33}^2)/\mu_{00}^{14} \end{aligned}$$

weight=10

structure: 1,0,0,0,3

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |



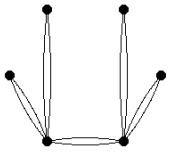
$$
\begin{aligned}
I_{116} \;=\; & (\mu_{20}^4\mu_{24}\mu_{06} - \mu_{20}^4\mu_{15}^2 - 4\mu_{20}^3\mu_{11}\mu_{33}\mu_{06} + 4\mu_{20}^3\mu_{11}\mu_{24}\mu_{15} \\
& +2\mu_{20}^3\mu_{02}\mu_{42}\mu_{06} - 4\mu_{20}^3\mu_{02}\mu_{33}\mu_{15} + 2\mu_{20}^3\mu_{02}\mu_{24}^2 + 4\mu_{20}^2\mu_{11}^2\mu_{42}\mu_{06} \\
& +8\mu_{20}^2\mu_{11}^2\mu_{33}\mu_{15} - 12\mu_{20}^2\mu_{11}^2\mu_{24}^2 - 4\mu_{20}^2\mu_{11}\mu_{02}\mu_{51}\mu_{06} \\
& +4\mu_{20}^2\mu_{11}\mu_{02}\mu_{33}\mu_{24} + \mu_{20}^2\mu_{02}^2\mu_{60}\mu_{06} - 2\mu_{20}^2\mu_{02}^2\mu_{51}\mu_{15} \\
& +5\mu_{20}^2\mu_{02}^2\mu_{42}\mu_{24} - 4\mu_{20}^2\mu_{02}^2\mu_{33}^2 - 16\mu_{20}\mu_{11}^3\mu_{42}\mu_{15} + 16\mu_{20}\mu_{11}^3\mu_{33}\mu_{24} \\
& +16\mu_{20}\mu_{11}^2\mu_{02}\mu_{51}\mu_{15} - 16\mu_{20}\mu_{11}^2\mu_{02}\mu_{42}\mu_{24} - 4\mu_{20}\mu_{11}\mu_{02}^2\mu_{60}\mu_{15} \\
& +4\mu_{20}\mu_{11}\mu_{02}^2\mu_{42}\mu_{33} + 2\mu_{20}\mu_{02}^3\mu_{60}\mu_{24} - 4\mu_{20}\mu_{02}^3\mu_{51}\mu_{33} + 2\mu_{20}\mu_{02}^3\mu_{42}^2 \\
& +16\mu_{11}^4\mu_{42}\mu_{24} - 16\mu_{11}^4\mu_{33}^2 - 16\mu_{11}^3\mu_{02}\mu_{51}\mu_{24} + 16\mu_{11}^3\mu_{02}\mu_{42}\mu_{33} \\
& +4\mu_{11}^2\mu_{02}^2\mu_{60}\mu_{24} + 8\mu_{11}^2\mu_{02}^2\mu_{51}\mu_{33} - 12\mu_{11}^2\mu_{02}^2\mu_{42}^2 - 4\mu_{11}\mu_{02}^3\mu_{60}\mu_{33} \\
& +4\mu_{11}\mu_{02}^3\mu_{51}\mu_{42} + \mu_{02}^4\mu_{60}\mu_{42} - \mu_{02}^4\mu_{51}^2)/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 4,0,0,0,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |



**Simultaneous invariants of the orders 3 and 6**

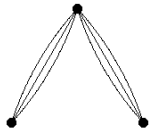
$$
\begin{aligned}
I_{117} \;=\; & (\mu_{30}^2\mu_{06} - 6\mu_{30}\mu_{21}\mu_{15} + 6\mu_{30}\mu_{12}\mu_{24} - 2\mu_{30}\mu_{03}\mu_{33} + 9\mu_{21}^2\mu_{24} - 18\mu_{21}\mu_{12}\mu_{33} \\
& +6\mu_{21}\mu_{03}\mu_{42} + 9\mu_{12}^2\mu_{42} - 6\mu_{12}\mu_{03}\mu_{51} + \mu_{03}^2\mu_{60})/\mu_{00}^9
\end{aligned}
$$

weight=6

structure: 0,2,0,0,1

Generating graph:

| 1 | 1 | 1 | 1 | 1 | 1 |
|---|---|---|---|---|---|
| 2 | 2 | 2 | 3 | 3 | 3 |



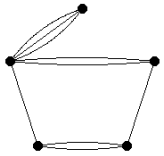
$$
\begin{aligned}
I_{118} \;=\; & (\mu_{30}^3\mu_{03}\mu_{06} - 3\mu_{30}^2\mu_{21}\mu_{12}\mu_{06} - 6\mu_{30}^2\mu_{21}\mu_{03}\mu_{15} + 6\mu_{30}^2\mu_{12}^2\mu_{15} \\
& +2\mu_{30}\mu_{21}^3\mu_{06} + 6\mu_{30}\mu_{21}^2\mu_{12}\mu_{15} + 15\mu_{30}\mu_{21}^2\mu_{03}\mu_{24} - 30\mu_{30}\mu_{21}\mu_{12}^2\mu_{24} \\
& +20\mu_{30}\mu_{12}^3\mu_{33} - 15\mu_{30}\mu_{12}^2\mu_{03}\mu_{42} + 6\mu_{30}\mu_{12}\mu_{03}^2\mu_{51} - \mu_{30}\mu_{03}^3\mu_{60} - 6\mu_{21}^4\mu_{15} \\
& +15\mu_{21}^3\mu_{12}\mu_{24} - 20\mu_{21}^3\mu_{03}\mu_{33} + 30\mu_{21}^2\mu_{12}\mu_{03}\mu_{42} - 6\mu_{21}^2\mu_{03}^2\mu_{51} - 15\mu_{21}\mu_{12}^3\mu_{42} \\
& -6\mu_{21}\mu_{12}^2\mu_{03}\mu_{51} + 3\mu_{21}\mu_{12}\mu_{03}^2\mu_{60} + 6\mu_{12}^4\mu_{51} - 2\mu_{12}^3\mu_{03}\mu_{60})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 0,4,0,0,1

Generating graph:

| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
|---|---|---|---|---|---|---|---|---|
| 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |



**Simultaneous invariants of the orders 4 and 6**

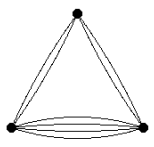
$$
\begin{aligned}
I_{119} \;=\; & (\mu_{40}\mu_{42}\mu_{06} - 4\mu_{40}\mu_{33}\mu_{15} + 3\mu_{40}\mu_{24}^2 - 2\mu_{31}\mu_{51}\mu_{06} + 6\mu_{31}\mu_{42}\mu_{15} \\
& -4\mu_{31}\mu_{33}\mu_{24} + \mu_{22}\mu_{60}\mu_{06} - 9\mu_{22}\mu_{42}\mu_{24} + 8\mu_{22}\mu_{33}^2 - 2\mu_{13}\mu_{60}\mu_{15} \\
& +6\mu_{13}\mu_{51}\mu_{24} - 4\mu_{13}\mu_{42}\mu_{33} + \mu_{04}\mu_{60}\mu_{24} - 4\mu_{04}\mu_{51}\mu_{33} + 3\mu_{04}\mu_{42}^2)/\mu_{00}^{11}
\end{aligned}
$$

weight=8

structure: 0,0,1,0,2

Generating graph:

| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
|---|---|---|---|---|---|---|---|
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |



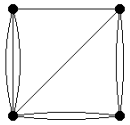
$$
\begin{aligned}
I_{120} \;=\; & (\mu_{40}^2\mu_{13}\mu_{06} - \mu_{40}^2\mu_{04}\mu_{15} - 3\mu_{40}\mu_{31}\mu_{22}\mu_{06} - 2\mu_{40}\mu_{31}\mu_{13}\mu_{15} \\
& +5\mu_{40}\mu_{31}\mu_{04}\mu_{24} + 9\mu_{40}\mu_{22}^2\mu_{15} - 15\mu_{40}\mu_{22}\mu_{13}\mu_{24} + 10\mu_{40}\mu_{13}^2\mu_{33} \\
& -5\mu_{40}\mu_{13}\mu_{04}\mu_{42} + \mu_{40}\mu_{04}^2\mu_{51} + 2\mu_{31}^3\mu_{06} - 6\mu_{31}^2\mu_{22}\mu_{15} + 10\mu_{31}^2\mu_{13}\mu_{24} \\
& -10\mu_{31}^2\mu_{04}\mu_{33} + 15\mu_{31}\mu_{22}\mu_{04}\mu_{42} - 10\mu_{31}\mu_{13}^2\mu_{42} + 2\mu_{31}\mu_{13}\mu_{04}\mu_{51} \\
& -\mu_{31}\mu_{04}^2\mu_{60} - 9\mu_{22}^2\mu_{04}\mu_{51} + 6\mu_{22}\mu_{13}^2\mu_{51} + 3\mu_{22}\mu_{13}\mu_{04}\mu_{60} - 2\mu_{13}^3\mu_{60})/\mu_{00}^{13}
\end{aligned}
$$

weight=9

structure: 0,0,3,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |



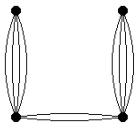
$$
\begin{aligned}
I_{121} \;=\; & (\mu_{40}^2\mu_{24}\mu_{06} - \mu_{40}^2\mu_{15}^2 - 4\mu_{40}\mu_{31}\mu_{33}\mu_{06} + 4\mu_{40}\mu_{31}\mu_{24}\mu_{15} \\
& +6\mu_{40}\mu_{22}\mu_{42}\mu_{06} - 12\mu_{40}\mu_{22}\mu_{33}\mu_{15} + 6\mu_{40}\mu_{22}\mu_{24}^2 - 4\mu_{40}\mu_{13}\mu_{51}\mu_{06} \\
& +8\mu_{40}\mu_{13}\mu_{42}\mu_{15} - 4\mu_{40}\mu_{13}\mu_{33}\mu_{24} + \mu_{40}\mu_{04}\mu_{60}\mu_{06} - 2\mu_{40}\mu_{04}\mu_{51}\mu_{15} \\
& +\mu_{40}\mu_{04}\mu_{42}\mu_{24} + 16\mu_{31}^2\mu_{33}\mu_{15} - 16\mu_{31}^2\mu_{24}^2 - 24\mu_{31}\mu_{22}\mu_{42}\mu_{15} \\
& +24\mu_{31}\mu_{22}\mu_{33}\mu_{24} + 16\mu_{31}\mu_{13}\mu_{51}\mu_{15} - 32\mu_{31}\mu_{13}\mu_{42}\mu_{24} + 16\mu_{31}\mu_{13}\mu_{33}^2 \\
& -4\mu_{31}\mu_{04}\mu_{60}\mu_{15} + 8\mu_{31}\mu_{04}\mu_{51}\mu_{24} - 4\mu_{31}\mu_{04}\mu_{42}\mu_{33} + 36\mu_{22}^2\mu_{42}\mu_{24} \\
& -36\mu_{22}^2\mu_{33}^2 - 24\mu_{22}\mu_{13}\mu_{51}\mu_{24} + 24\mu_{22}\mu_{13}\mu_{42}\mu_{33} + 6\mu_{22}\mu_{04}\mu_{60}\mu_{24} \\
& -12\mu_{22}\mu_{04}\mu_{51}\mu_{33} + 6\mu_{22}\mu_{04}\mu_{42}^2 + 16\mu_{13}^2\mu_{51}\mu_{33} - 16\mu_{13}^2\mu_{42}^2 - 4\mu_{13}\mu_{04}\mu_{60}\mu_{33} \\
& +4\mu_{13}\mu_{04}\mu_{51}\mu_{42} + \mu_{04}^2\mu_{60}\mu_{42} - \mu_{04}^2\mu_{51}^2)/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,0,2,0,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |



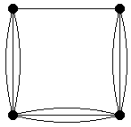
$$
\begin{aligned}
I_{122} \;=\; & (3\mu_{40}\mu_{22}\mu_{42}\mu_{06} - 12\mu_{40}\mu_{22}\mu_{33}\mu_{15} + 9\mu_{40}\mu_{22}\mu_{24}^2 - 3\mu_{40}\mu_{13}\mu_{51}\mu_{06} \\
& +9\mu_{40}\mu_{13}\mu_{42}\mu_{15} - 6\mu_{40}\mu_{13}\mu_{33}\mu_{24} + \mu_{40}\mu_{04}\mu_{60}\mu_{06} - 3\mu_{40}\mu_{04}\mu_{51}\mu_{15} \\
& +3\mu_{40}\mu_{04}\mu_{42}\mu_{24} - \mu_{40}\mu_{04}\mu_{33}^2 - 3\mu_{31}^2\mu_{42}\mu_{06} + 12\mu_{31}^2\mu_{33}\mu_{15} - 9\mu_{31}^2\mu_{24}^2 \\
& +3\mu_{31}\mu_{22}\mu_{51}\mu_{06} - 9\mu_{31}\mu_{22}\mu_{42}\mu_{15} + 6\mu_{31}\mu_{22}\mu_{33}\mu_{24} - \mu_{31}\mu_{13}\mu_{60}\mu_{06} \\
& +12\mu_{31}\mu_{13}\mu_{51}\mu_{15} - 39\mu_{31}\mu_{13}\mu_{42}\mu_{24} + 28\mu_{31}\mu_{13}\mu_{33}^2 - 3\mu_{31}\mu_{04}\mu_{60}\mu_{15} \\
& +9\mu_{31}\mu_{04}\mu_{51}\mu_{24} - 6\mu_{31}\mu_{04}\mu_{42}\mu_{33} - 9\mu_{22}^2\mu_{51}\mu_{15} + 36\mu_{22}^2\mu_{42}\mu_{24} - 27\mu_{22}^2\mu_{33}^2 \\
& +3\mu_{22}\mu_{13}\mu_{60}\mu_{15} - 9\mu_{22}\mu_{13}\mu_{51}\mu_{24} + 6\mu_{22}\mu_{13}\mu_{42}\mu_{33} + 3\mu_{22}\mu_{04}\mu_{60}\mu_{24} \\
& -12\mu_{22}\mu_{04}\mu_{51}\mu_{33} + 9\mu_{22}\mu_{04}\mu_{42}^2 - 3\mu_{13}^2\mu_{60}\mu_{24} + 12\mu_{13}^2\mu_{51}\mu_{33} - 9\mu_{13}^2\mu_{42}^2)/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,0,2,0,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |



**Simultaneous invariants of the orders 5 and 6**

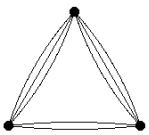
$$
\begin{aligned}
I_{123} \;=\; & (\mu_{50}\mu_{32}\mu_{06} - 3\mu_{50}\mu_{23}\mu_{15} + 3\mu_{50}\mu_{14}\mu_{24} - \mu_{50}\mu_{05}\mu_{33} - \mu_{41}^2\mu_{06} \\
& +3\mu_{41}\mu_{32}\mu_{15} + 3\mu_{41}\mu_{23}\mu_{24} - 7\mu_{41}\mu_{14}\mu_{33} + 3\mu_{41}\mu_{05}\mu_{42} - 6\mu_{32}^2\mu_{24} \\
& +8\mu_{32}\mu_{23}\mu_{33} + 3\mu_{32}\mu_{14}\mu_{42} - 3\mu_{32}\mu_{05}\mu_{51} - 6\mu_{23}^2\mu_{42} + 3\mu_{23}\mu_{14}\mu_{51} \\
& +\mu_{23}\mu_{05}\mu_{60} - \mu_{14}^2\mu_{60})/\mu_{00}^{11}
\end{aligned}
$$

weight=8

structure: 0,0,0,2,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |



**Simultaneous invariants of the orders 2, 3 and 6**

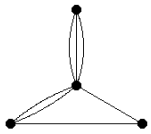
$$
\begin{aligned}
I_{124} \;=\; & (-\mu_{20}\mu_{30}\mu_{21}\mu_{06} + 2\mu_{20}\mu_{30}\mu_{12}\mu_{15} - \mu_{20}\mu_{30}\mu_{03}\mu_{24} + 3\mu_{20}\mu_{21}^2\mu_{15} \\
& -9\mu_{20}\mu_{21}\mu_{12}\mu_{24} + 4\mu_{20}\mu_{21}\mu_{03}\mu_{33} + 6\mu_{20}\mu_{12}^2\mu_{33} - 5\mu_{20}\mu_{12}\mu_{03}\mu_{42} \\
& +\mu_{20}\mu_{03}^2\mu_{51} + \mu_{11}\mu_{30}^2\mu_{06} - 4\mu_{11}\mu_{30}\mu_{21}\mu_{15} + 2\mu_{11}\mu_{30}\mu_{12}\mu_{24} \\
& +3\mu_{11}\mu_{21}^2\mu_{24} - 2\mu_{11}\mu_{21}\mu_{03}\mu_{42} - 3\mu_{11}\mu_{12}^2\mu_{42} + 4\mu_{11}\mu_{12}\mu_{03}\mu_{51} \\
& -\mu_{11}\mu_{03}^2\mu_{60} - \mu_{02}\mu_{30}^2\mu_{15} + 5\mu_{02}\mu_{30}\mu_{21}\mu_{24} - 4\mu_{02}\mu_{30}\mu_{12}\mu_{33} \\
& +\mu_{02}\mu_{30}\mu_{03}\mu_{42} - 6\mu_{02}\mu_{21}^2\mu_{33} + 9\mu_{02}\mu_{21}\mu_{12}\mu_{42} - 2\mu_{02}\mu_{21}\mu_{03}\mu_{51} \\
& -3\mu_{02}\mu_{12}^2\mu_{51} + \mu_{02}\mu_{12}\mu_{03}\mu_{60})/\mu_{00}^{11}
\end{aligned}
$$

weight=7

structure: 1,2,0,0,1

Generating graph:

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 3 | 3 | 3 | 4 | 4 |



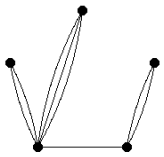
$$
\begin{aligned}
I_{125} \;=\; & (\mu_{20}^2\mu_{30}\mu_{12}\mu_{06} - \mu_{20}^2\mu_{30}\mu_{03}\mu_{15} - 3\mu_{20}^2\mu_{21}\mu_{12}\mu_{15} + 3\mu_{20}^2\mu_{21}\mu_{03}\mu_{24} \\
& +3\mu_{20}^2\mu_{12}^2\mu_{24} - 4\mu_{20}^2\mu_{12}\mu_{03}\mu_{33} + \mu_{20}^2\mu_{03}^2\mu_{42} - 2\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{06} \\
& +2\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{24} + 6\mu_{20}\mu_{11}\mu_{21}^2\mu_{15} - 6\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{24} \\
& -4\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{33} + 6\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{42} - 2\mu_{20}\mu_{11}\mu_{03}^2\mu_{51} \\
& +\mu_{20}\mu_{02}\mu_{30}^2\mu_{06} - 4\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{15} + 4\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{24} \\
& -2\mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{33} + 3\mu_{20}\mu_{02}\mu_{21}^2\mu_{24} - 6\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{33} \\
& +4\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{42} + 3\mu_{20}\mu_{02}\mu_{12}^2\mu_{42} - 4\mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{51} \\
& +\mu_{20}\mu_{02}\mu_{03}^2\mu_{60} + 4\mu_{11}^2\mu_{30}\mu_{21}\mu_{15} - 4\mu_{11}^2\mu_{30}\mu_{12}\mu_{24} - 12\mu_{11}^2\mu_{21}^2\mu_{24} \\
& +24\mu_{11}^2\mu_{21}\mu_{12}\mu_{33} - 4\mu_{11}^2\mu_{21}\mu_{03}\mu_{42} - 12\mu_{11}^2\mu_{12}^2\mu_{42} + 4\mu_{11}^2\mu_{12}\mu_{03}\mu_{51} \\
& -2\mu_{11}\mu_{02}\mu_{30}^2\mu_{15} + 6\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{24} - 4\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{33} \\
& +2\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{42} - 6\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{42} + 6\mu_{11}\mu_{02}\mu_{12}^2\mu_{51} \\
& -2\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{60} + \mu_{02}^2\mu_{30}^2\mu_{24} - 4\mu_{02}^2\mu_{30}\mu_{21}\mu_{33} + 3\mu_{02}^2\mu_{30}\mu_{12}\mu_{42} \\
& -\mu_{02}^2\mu_{30}\mu_{03}\mu_{51} + 3\mu_{02}^2\mu_{21}^2\mu_{42} - 3\mu_{02}^2\mu_{21}\mu_{12}\mu_{51} + \mu_{02}^2\mu_{21}\mu_{03}\mu_{60})/\mu_{00}^{13}
\end{aligned}
$$

weight=8

structure: 2,2,0,0,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 |



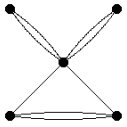
$$
\begin{aligned}
I_{126} \;=\; & (\mu_{20}^2\mu_{30}\mu_{12}\mu_{06} - \mu_{20}^2\mu_{30}\mu_{03}\mu_{15} - \mu_{20}^2\mu_{21}^2\mu_{06} + \mu_{20}^2\mu_{21}\mu_{12}\mu_{15} \\
& +\mu_{20}^2\mu_{21}\mu_{03}\mu_{24} - \mu_{20}^2\mu_{12}^2\mu_{24} - 4\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{15} \\
& +4\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{24} + 4\mu_{20}\mu_{11}\mu_{21}^2\mu_{15} - 4\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{24} \\
& -4\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{33} + 4\mu_{20}\mu_{11}\mu_{12}^2\mu_{33} + 2\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{24} \\
& -2\mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{33} - 2\mu_{20}\mu_{02}\mu_{21}^2\mu_{24} + 2\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{33} \\
& +2\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{42} - 2\mu_{20}\mu_{02}\mu_{12}^2\mu_{42} + 4\mu_{11}^2\mu_{30}\mu_{12}\mu_{24} \\
& -4\mu_{11}^2\mu_{30}\mu_{03}\mu_{33} - 4\mu_{11}^2\mu_{21}^2\mu_{24} + 4\mu_{11}^2\mu_{21}\mu_{12}\mu_{33} + 4\mu_{11}^2\mu_{21}\mu_{03}\mu_{42} \\
& -4\mu_{11}^2\mu_{12}^2\mu_{42} - 4\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{33} + 4\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{42} \\
& +4\mu_{11}\mu_{02}\mu_{21}^2\mu_{33} - 4\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{42} - 4\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{51} \\
& +4\mu_{11}\mu_{02}\mu_{12}^2\mu_{51} + \mu_{02}^2\mu_{30}\mu_{12}\mu_{42} - \mu_{02}^2\mu_{30}\mu_{03}\mu_{51} - \mu_{02}^2\mu_{21}^2\mu_{42} \\
& +\mu_{02}^2\mu_{21}\mu_{12}\mu_{51} + \mu_{02}^2\mu_{21}\mu_{03}\mu_{60} - \mu_{02}^2\mu_{12}^2\mu_{60})/\mu_{00}^{13}
\end{aligned}
$$

weight=8

structure: 2,2,0,0,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



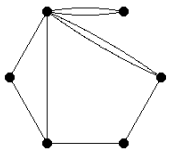
$$
\begin{aligned}
I_{127} \;=\; & (-\mu_{20}^3\mu_{21}\mu_{12}\mu_{06} + \mu_{20}^3\mu_{21}\mu_{03}\mu_{15} + 2\mu_{20}^3\mu_{12}^2\mu_{15} - 3\mu_{20}^3\mu_{12}\mu_{03}\mu_{24} \\
& +\mu_{20}^3\mu_{03}^2\mu_{33} + \mu_{20}^2\mu_{11}\mu_{30}\mu_{12}\mu_{06} - \mu_{20}^2\mu_{11}\mu_{30}\mu_{03}\mu_{15} \\
& +2\mu_{20}^2\mu_{11}\mu_{21}^2\mu_{06} - 5\mu_{20}^2\mu_{11}\mu_{21}\mu_{12}\mu_{15} + \mu_{20}^2\mu_{11}\mu_{21}\mu_{03}\mu_{24} \\
& -\mu_{20}^2\mu_{11}\mu_{12}^2\mu_{24} + 6\mu_{20}^2\mu_{11}\mu_{12}\mu_{03}\mu_{33} - 3\mu_{20}^2\mu_{11}\mu_{03}^2\mu_{42} \\
& -\mu_{20}^2\mu_{02}\mu_{30}\mu_{21}\mu_{06} + \mu_{20}^2\mu_{02}\mu_{30}\mu_{12}\mu_{15} + \mu_{20}^2\mu_{02}\mu_{21}^2\mu_{15} \\
& -\mu_{20}^2\mu_{02}\mu_{21}\mu_{12}\mu_{24} + \mu_{20}^2\mu_{02}\mu_{12}^2\mu_{33} - 2\mu_{20}^2\mu_{02}\mu_{12}\mu_{03}\mu_{42} \\
& +\mu_{20}^2\mu_{02}\mu_{03}^2\mu_{51} - 2\mu_{20}\mu_{11}^2\mu_{30}\mu_{21}\mu_{06} + 2\mu_{20}\mu_{11}^2\mu_{30}\mu_{03}\mu_{24} \\
& -2\mu_{20}\mu_{11}^2\mu_{21}^2\mu_{15} + 14\mu_{20}\mu_{11}^2\mu_{21}\mu_{12}\mu_{24} - 8\mu_{20}\mu_{11}^2\mu_{21}\mu_{03}\mu_{33} \\
& -8\mu_{20}\mu_{11}^2\mu_{12}^2\mu_{33} + 2\mu_{20}\mu_{11}^2\mu_{12}\mu_{03}\mu_{42} + 2\mu_{20}\mu_{11}^2\mu_{03}^2\mu_{51} \\
& +\mu_{20}\mu_{11}\mu_{02}\mu_{30}^2\mu_{06} + 2\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{15} \\
& -4\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{24} - 3\mu_{20}\mu_{11}\mu_{02}\mu_{21}^2\mu_{24} \\
& +4\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{42} + 3\mu_{20}\mu_{11}\mu_{02}\mu_{12}^2\mu_{42} \\
& -2\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{51} - \mu_{20}\mu_{11}\mu_{02}\mu_{03}^2\mu_{60} - \mu_{20}\mu_{02}^2\mu_{30}^2\mu_{15} \\
& +2\mu_{20}\mu_{02}^2\mu_{30}\mu_{21}\mu_{24} - \mu_{20}\mu_{02}^2\mu_{21}^2\mu_{33} + \mu_{20}\mu_{02}^2\mu_{21}\mu_{12}\mu_{42} \\
& -\mu_{20}\mu_{02}^2\mu_{21}\mu_{03}\mu_{51} - \mu_{20}\mu_{02}^2\mu_{12}^2\mu_{51} + \mu_{20}\mu_{02}^2\mu_{12}\mu_{03}\mu_{60} \\
& +4\mu_{11}^3\mu_{30}\mu_{21}\mu_{15} - 4\mu_{11}^3\mu_{30}\mu_{12}\mu_{24} - 4\mu_{11}^3\mu_{21}^2\mu_{24} + 4\mu_{11}^3\mu_{21}\mu_{03}\mu_{42} \\
& +4\mu_{11}^3\mu_{12}^2\mu_{42} - 4\mu_{11}^3\mu_{12}\mu_{03}\mu_{51} - 2\mu_{11}^2\mu_{02}\mu_{30}^2\mu_{15} - 2\mu_{11}^2\mu_{02}\mu_{30}\mu_{21}\mu_{24} \\
& +8\mu_{11}^2\mu_{02}\mu_{30}\mu_{12}\mu_{33} - 2\mu_{11}^2\mu_{02}\mu_{30}\mu_{03}\mu_{42} + 8\mu_{11}^2\mu_{02}\mu_{21}^2\mu_{33} \\
& -14\mu_{11}^2\mu_{02}\mu_{21}\mu_{12}\mu_{42} + 2\mu_{11}^2\mu_{02}\mu_{12}^2\mu_{51} + 2\mu_{11}^2\mu_{02}\mu_{12}\mu_{03}\mu_{60} \\
& +3\mu_{11}\mu_{02}^2\mu_{30}^2\mu_{24} - 6\mu_{11}\mu_{02}^2\mu_{30}\mu_{21}\mu_{33} - \mu_{11}\mu_{02}^2\mu_{30}\mu_{12}\mu_{42} \\
& +\mu_{11}\mu_{02}^2\mu_{30}\mu_{03}\mu_{51} + \mu_{11}\mu_{02}^2\mu_{21}^2\mu_{42} + 5\mu_{11}\mu_{02}^2\mu_{21}\mu_{12}\mu_{51} \\
& -\mu_{11}\mu_{02}^2\mu_{21}\mu_{03}\mu_{60} - 2\mu_{11}\mu_{02}^2\mu_{12}^2\mu_{60} - \mu_{02}^3\mu_{30}^2\mu_{33} + 3\mu_{02}^3\mu_{30}\mu_{21}\mu_{42} \\
& -\mu_{02}^3\mu_{30}\mu_{12}\mu_{51} - 2\mu_{02}^3\mu_{21}^2\mu_{51} + \mu_{02}^3\mu_{21}\mu_{12}\mu_{60})/\mu_{00}^{15}
\end{aligned}
$$

weight=9

structure: 3,2,0,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |



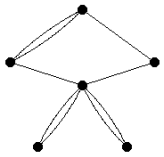
$$
\begin{aligned}
I_{128} \;=\; & (\mu_{20}^3\mu_{30}\mu_{03}\mu_{06} - \mu_{20}^3\mu_{21}\mu_{12}\mu_{06} - 2\mu_{20}^3\mu_{21}\mu_{03}\mu_{15} + 2\mu_{20}^3\mu_{12}^2\mu_{15} \\
& -2\mu_{20}^2\mu_{11}\mu_{30}\mu_{12}\mu_{06} - 4\mu_{20}^2\mu_{11}\mu_{30}\mu_{03}\mu_{15} + 2\mu_{20}^2\mu_{11}\mu_{21}^2\mu_{06} \\
& +4\mu_{20}^2\mu_{11}\mu_{21}\mu_{12}\mu_{15} + 10\mu_{20}^2\mu_{11}\mu_{21}\mu_{03}\mu_{24} - 10\mu_{20}^2\mu_{11}\mu_{12}^2\mu_{24} \\
& +2\mu_{20}^2\mu_{02}\mu_{30}\mu_{12}\mu_{15} + \mu_{20}^2\mu_{02}\mu_{30}\mu_{03}\mu_{24} - 2\mu_{20}^2\mu_{02}\mu_{21}^2\mu_{15} \\
& -\mu_{20}^2\mu_{02}\mu_{21}\mu_{12}\mu_{24} - 4\mu_{20}^2\mu_{02}\mu_{21}\mu_{03}\mu_{33} + 4\mu_{20}^2\mu_{02}\mu_{12}^2\mu_{33} \\
& +8\mu_{20}\mu_{11}^2\mu_{30}\mu_{12}\mu_{15} + 4\mu_{20}\mu_{11}^2\mu_{30}\mu_{03}\mu_{24} - 8\mu_{20}\mu_{11}^2\mu_{21}^2\mu_{15} \\
& -4\mu_{20}\mu_{11}^2\mu_{21}\mu_{12}\mu_{24} - 16\mu_{20}\mu_{11}^2\mu_{21}\mu_{03}\mu_{33} + 16\mu_{20}\mu_{11}^2\mu_{12}^2\mu_{33} \\
& -12\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{24} + 12\mu_{20}\mu_{11}\mu_{02}\mu_{21}^2\mu_{24} \\
& +12\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{42} - 12\mu_{20}\mu_{11}\mu_{02}\mu_{12}^2\mu_{42} + 4\mu_{20}\mu_{02}^2\mu_{30}\mu_{12}\mu_{33} \\
& -\mu_{20}\mu_{02}^2\mu_{30}\mu_{03}\mu_{42} - 4\mu_{20}\mu_{02}^2\mu_{21}^2\mu_{33} + \mu_{20}\mu_{02}^2\mu_{21}\mu_{12}\mu_{42} \\
& -2\mu_{20}\mu_{02}^2\mu_{21}\mu_{03}\mu_{51} + 2\mu_{20}\mu_{02}^2\mu_{12}^2\mu_{51} - 8\mu_{11}^3\mu_{30}\mu_{12}\mu_{24} + 8\mu_{11}^3\mu_{21}^2\mu_{24} \\
& +8\mu_{11}^3\mu_{21}\mu_{03}\mu_{42} - 8\mu_{11}^3\mu_{12}^2\mu_{42} + 16\mu_{11}^2\mu_{02}\mu_{30}\mu_{12}\mu_{33} \\
& -4\mu_{11}^2\mu_{02}\mu_{30}\mu_{03}\mu_{42} - 16\mu_{11}^2\mu_{02}\mu_{21}^2\mu_{33} + 4\mu_{11}^2\mu_{02}\mu_{21}\mu_{12}\mu_{42} \\
& -8\mu_{11}^2\mu_{02}\mu_{21}\mu_{03}\mu_{51} + 8\mu_{11}^2\mu_{02}\mu_{12}^2\mu_{51} - 10\mu_{11}\mu_{02}^2\mu_{30}\mu_{12}\mu_{42} \\
& +4\mu_{11}\mu_{02}^2\mu_{30}\mu_{03}\mu_{51} + 10\mu_{11}\mu_{02}^2\mu_{21}^2\mu_{42} - 4\mu_{11}\mu_{02}^2\mu_{21}\mu_{12}\mu_{51} \\
& +2\mu_{11}\mu_{02}^2\mu_{21}\mu_{03}\mu_{60} - 2\mu_{11}\mu_{02}^2\mu_{12}^2\mu_{60} + 2\mu_{02}^3\mu_{30}\mu_{12}\mu_{51} \\
& -\mu_{02}^3\mu_{30}\mu_{03}\mu_{60} - 2\mu_{02}^3\mu_{21}^2\mu_{51} + \mu_{02}^3\mu_{21}\mu_{12}\mu_{60})/\mu_{00}^{15}
\end{aligned}
$$

weight=9

structure: 3,2,0,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 6 |



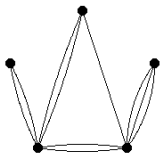
$$
\begin{aligned}
I_{129} \;=\; & (2\mu_{20}\mu_{30}^2\mu_{24}\mu_{06} - 2\mu_{20}\mu_{30}^2\mu_{15}^2 - 6\mu_{20}\mu_{30}\mu_{21}\mu_{33}\mu_{06} \\
& +6\mu_{20}\mu_{30}\mu_{21}\mu_{24}\mu_{15} + 4\mu_{20}\mu_{30}\mu_{12}\mu_{42}\mu_{06} - 4\mu_{20}\mu_{30}\mu_{12}\mu_{33}\mu_{15} \\
& -\mu_{20}\mu_{30}\mu_{03}\mu_{51}\mu_{06} + \mu_{20}\mu_{30}\mu_{03}\mu_{42}\mu_{15} + 3\mu_{20}\mu_{21}^2\mu_{42}\mu_{06} \\
& +6\mu_{20}\mu_{21}^2\mu_{33}\mu_{15} - 9\mu_{20}\mu_{21}^2\mu_{24}^2 - 3\mu_{20}\mu_{21}\mu_{12}\mu_{51}\mu_{06} \\
& -9\mu_{20}\mu_{21}\mu_{12}\mu_{42}\mu_{15} + 12\mu_{20}\mu_{21}\mu_{12}\mu_{33}\mu_{24} + \mu_{20}\mu_{21}\mu_{03}\mu_{60}\mu_{06} \\
& +3\mu_{20}\mu_{21}\mu_{03}\mu_{42}\mu_{24} - 4\mu_{20}\mu_{21}\mu_{03}\mu_{33}^2 + 6\mu_{20}\mu_{12}^2\mu_{51}\mu_{15} \\
& -6\mu_{20}\mu_{12}^2\mu_{42}\mu_{24} - 2\mu_{20}\mu_{12}\mu_{03}\mu_{60}\mu_{15} + 2\mu_{20}\mu_{12}\mu_{03}\mu_{42}\mu_{33} \\
& +\mu_{20}\mu_{03}^2\mu_{60}\mu_{24} - 2\mu_{20}\mu_{03}^2\mu_{51}\mu_{33} + \mu_{20}\mu_{03}^2\mu_{42}^2 - 2\mu_{11}\mu_{30}^2\mu_{33}\mu_{06} \\
& +2\mu_{11}\mu_{30}^2\mu_{24}\mu_{15} + 4\mu_{11}\mu_{30}\mu_{21}\mu_{42}\mu_{06} + 8\mu_{11}\mu_{30}\mu_{21}\mu_{33}\mu_{15} \\
& -12\mu_{11}\mu_{30}\mu_{21}\mu_{24}^2 - 2\mu_{11}\mu_{30}\mu_{12}\mu_{51}\mu_{06} - 6\mu_{11}\mu_{30}\mu_{12}\mu_{42}\mu_{15} \\
& +8\mu_{11}\mu_{30}\mu_{12}\mu_{33}\mu_{24} + 4\mu_{11}\mu_{30}\mu_{03}\mu_{51}\mu_{15} - 8\mu_{11}\mu_{30}\mu_{03}\mu_{42}\mu_{24} \\
& +4\mu_{11}\mu_{30}\mu_{03}\mu_{33}^2 - 18\mu_{11}\mu_{21}^2\mu_{42}\mu_{15} + 18\mu_{11}\mu_{21}^2\mu_{33}\mu_{24} \\
& +12\mu_{11}\mu_{21}\mu_{12}\mu_{51}\mu_{15} + 24\mu_{11}\mu_{21}\mu_{12}\mu_{42}\mu_{24} - 36\mu_{11}\mu_{21}\mu_{12}\mu_{33}^2 \\
& -2\mu_{11}\mu_{21}\mu_{03}\mu_{60}\mu_{15} - 6\mu_{11}\mu_{21}\mu_{03}\mu_{51}\mu_{24} + 8\mu_{11}\mu_{21}\mu_{03}\mu_{42}\mu_{33} \\
& -18\mu_{11}\mu_{12}^2\mu_{51}\mu_{24} + 18\mu_{11}\mu_{12}^2\mu_{42}\mu_{33} + 4\mu_{11}\mu_{12}\mu_{03}\mu_{60}\mu_{24} \\
& +8\mu_{11}\mu_{12}\mu_{03}\mu_{51}\mu_{33} - 12\mu_{11}\mu_{12}\mu_{03}\mu_{42}^2 - 2\mu_{11}\mu_{03}^2\mu_{60}\mu_{33} \\
& +2\mu_{11}\mu_{03}^2\mu_{51}\mu_{42} + \mu_{02}\mu_{30}^2\mu_{42}\mu_{06} - 2\mu_{02}\mu_{30}^2\mu_{33}\mu_{15} + \mu_{02}\mu_{30}^2\mu_{24}^2 \\
& -2\mu_{02}\mu_{30}\mu_{21}\mu_{51}\mu_{06} + 2\mu_{02}\mu_{30}\mu_{21}\mu_{33}\mu_{24} + \mu_{02}\mu_{30}\mu_{12}\mu_{60}\mu_{06} \\
& +3\mu_{02}\mu_{30}\mu_{12}\mu_{42}\mu_{24} - 4\mu_{02}\mu_{30}\mu_{12}\mu_{33}^2 - \mu_{02}\mu_{30}\mu_{03}\mu_{60}\mu_{15} \\
& +\mu_{02}\mu_{30}\mu_{03}\mu_{51}\mu_{24} + 6\mu_{02}\mu_{21}^2\mu_{51}\mu_{15} - 6\mu_{02}\mu_{21}^2\mu_{42}\mu_{24} \\
& -3\mu_{02}\mu_{21}\mu_{12}\mu_{60}\mu_{15} - 9\mu_{02}\mu_{21}\mu_{12}\mu_{51}\mu_{24} + 12\mu_{02}\mu_{21}\mu_{12}\mu_{42}\mu_{33} \\
& +4\mu_{02}\mu_{21}\mu_{03}\mu_{60}\mu_{24} - 4\mu_{02}\mu_{21}\mu_{03}\mu_{51}\mu_{33} + 3\mu_{02}\mu_{12}^2\mu_{60}\mu_{24} \\
& +6\mu_{02}\mu_{12}^2\mu_{51}\mu_{33} - 9\mu_{02}\mu_{12}^2\mu_{42}^2 - 6\mu_{02}\mu_{12}\mu_{03}\mu_{60}\mu_{33} \\
& +6\mu_{02}\mu_{12}\mu_{03}\mu_{51}\mu_{42} + 2\mu_{02}\mu_{03}^2\mu_{60}\mu_{42} - 2\mu_{02}\mu_{03}^2\mu_{51}^2)/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,2,0,0,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |



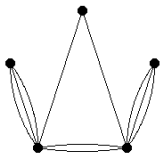
$$
\begin{aligned}
I_{130} \;=\; & (\mu_{20}\mu_{30}^2\mu_{24}\mu_{06} - \mu_{20}\mu_{30}^2\mu_{15}^2 - 3\mu_{20}\mu_{30}\mu_{21}\mu_{33}\mu_{06} \\
& +3\mu_{20}\mu_{30}\mu_{21}\mu_{24}\mu_{15} + 3\mu_{20}\mu_{30}\mu_{12}\mu_{42}\mu_{06} - 6\mu_{20}\mu_{30}\mu_{12}\mu_{33}\mu_{15} \\
& +3\mu_{20}\mu_{30}\mu_{12}\mu_{24}^2 - \mu_{20}\mu_{30}\mu_{03}\mu_{51}\mu_{06} + 2\mu_{20}\mu_{30}\mu_{03}\mu_{42}\mu_{15} \\
& -\mu_{20}\mu_{30}\mu_{03}\mu_{33}\mu_{24} + 9\mu_{20}\mu_{21}^2\mu_{33}\mu_{15} - 9\mu_{20}\mu_{21}^2\mu_{24}^2 \\
& -9\mu_{20}\mu_{21}\mu_{12}\mu_{42}\mu_{15} + 9\mu_{20}\mu_{21}\mu_{12}\mu_{33}\mu_{24} + 3\mu_{20}\mu_{21}\mu_{03}\mu_{51}\mu_{15} \\
& -6\mu_{20}\mu_{21}\mu_{03}\mu_{42}\mu_{24} + 3\mu_{20}\mu_{21}\mu_{03}\mu_{33}^2 + 9\mu_{20}\mu_{12}^2\mu_{42}\mu_{24} - 9\mu_{20}\mu_{12}^2\mu_{33}^2 \\
& -3\mu_{20}\mu_{12}\mu_{03}\mu_{51}\mu_{24} + 3\mu_{20}\mu_{12}\mu_{03}\mu_{42}\mu_{33} + \mu_{20}\mu_{03}^2\mu_{51}\mu_{33} \\
& -\mu_{20}\mu_{03}^2\mu_{42}^2 - \mu_{11}\mu_{30}^2\mu_{33}\mu_{06} + \mu_{11}\mu_{30}^2\mu_{24}\mu_{15} + 3\mu_{11}\mu_{30}\mu_{21}\mu_{42}\mu_{06} \\
& -3\mu_{11}\mu_{30}\mu_{21}\mu_{24}^2 - 3\mu_{11}\mu_{30}\mu_{12}\mu_{51}\mu_{06} + 3\mu_{11}\mu_{30}\mu_{12}\mu_{42}\mu_{15} \\
& +\mu_{11}\mu_{30}\mu_{03}\mu_{60}\mu_{06} - \mu_{11}\mu_{30}\mu_{03}\mu_{51}\mu_{15} - \mu_{11}\mu_{30}\mu_{03}\mu_{42}\mu_{24} \\
& +\mu_{11}\mu_{30}\mu_{03}\mu_{33}^2 - 9\mu_{11}\mu_{21}^2\mu_{42}\mu_{15} + 9\mu_{11}\mu_{21}^2\mu_{33}\mu_{24} \\
& +9\mu_{11}\mu_{21}\mu_{12}\mu_{51}\mu_{15} - 9\mu_{11}\mu_{21}\mu_{12}\mu_{33}^2 - 3\mu_{11}\mu_{21}\mu_{03}\mu_{60}\mu_{15} \\
& +3\mu_{11}\mu_{21}\mu_{03}\mu_{51}\mu_{24} - 9\mu_{11}\mu_{12}^2\mu_{51}\mu_{24} + 9\mu_{11}\mu_{12}^2\mu_{42}\mu_{33} \\
& +3\mu_{11}\mu_{12}\mu_{03}\mu_{60}\mu_{24} - 3\mu_{11}\mu_{12}\mu_{03}\mu_{42}^2 - \mu_{11}\mu_{03}^2\mu_{60}\mu_{33} \\
& +\mu_{11}\mu_{03}^2\mu_{51}\mu_{42} + \mu_{02}\mu_{30}^2\mu_{33}\mu_{15} - \mu_{02}\mu_{30}^2\mu_{24}^2 - 3\mu_{02}\mu_{30}\mu_{21}\mu_{42}\mu_{15} \\
& +3\mu_{02}\mu_{30}\mu_{21}\mu_{33}\mu_{24} + 3\mu_{02}\mu_{30}\mu_{12}\mu_{51}\mu_{15} - 6\mu_{02}\mu_{30}\mu_{12}\mu_{42}\mu_{24} \\
& +3\mu_{02}\mu_{30}\mu_{12}\mu_{33}^2 - \mu_{02}\mu_{30}\mu_{03}\mu_{60}\mu_{15} + 2\mu_{02}\mu_{30}\mu_{03}\mu_{51}\mu_{24} \\
& -\mu_{02}\mu_{30}\mu_{03}\mu_{42}\mu_{33} + 9\mu_{02}\mu_{21}^2\mu_{42}\mu_{24} - 9\mu_{02}\mu_{21}^2\mu_{33}^2 \\
& -9\mu_{02}\mu_{21}\mu_{12}\mu_{51}\mu_{24} + 9\mu_{02}\mu_{21}\mu_{12}\mu_{42}\mu_{33} + 3\mu_{02}\mu_{21}\mu_{03}\mu_{60}\mu_{24} \\
& -6\mu_{02}\mu_{21}\mu_{03}\mu_{51}\mu_{33} + 3\mu_{02}\mu_{21}\mu_{03}\mu_{42}^2 + 9\mu_{02}\mu_{12}^2\mu_{51}\mu_{33} - 9\mu_{02}\mu_{12}^2\mu_{42}^2 \\
& -3\mu_{02}\mu_{12}\mu_{03}\mu_{60}\mu_{33} + 3\mu_{02}\mu_{12}\mu_{03}\mu_{51}\mu_{42} + \mu_{02}\mu_{03}^2\mu_{60}\mu_{42} \\
& -\mu_{02}\mu_{03}^2\mu_{51}^2)/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,2,0,0,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



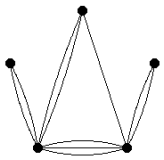
$$
\begin{aligned}
I_{131} \;=\; & (2\mu_{20}\mu_{30}\mu_{12}\mu_{42}\mu_{06} - 8\mu_{20}\mu_{30}\mu_{12}\mu_{33}\mu_{15} + 6\mu_{20}\mu_{30}\mu_{12}\mu_{24}^2 \\
& -\mu_{20}\mu_{30}\mu_{03}\mu_{51}\mu_{06} + 3\mu_{20}\mu_{30}\mu_{03}\mu_{42}\mu_{15} - 2\mu_{20}\mu_{30}\mu_{03}\mu_{33}\mu_{24} \\
& -\mu_{20}\mu_{21}^2\mu_{42}\mu_{06} + 4\mu_{20}\mu_{21}^2\mu_{33}\mu_{15} - 3\mu_{20}\mu_{21}^2\mu_{24}^2 - \mu_{20}\mu_{21}\mu_{12}\mu_{51}\mu_{06} \\
& +3\mu_{20}\mu_{21}\mu_{12}\mu_{42}\mu_{15} - 2\mu_{20}\mu_{21}\mu_{12}\mu_{33}\mu_{24} + \mu_{20}\mu_{21}\mu_{03}\mu_{60}\mu_{06} \\
& -2\mu_{20}\mu_{21}\mu_{03}\mu_{51}\mu_{15} - \mu_{20}\mu_{21}\mu_{03}\mu_{42}\mu_{24} + 2\mu_{20}\mu_{21}\mu_{03}\mu_{33}^2 \\
& +2\mu_{20}\mu_{12}^2\mu_{51}\mu_{15} - 8\mu_{20}\mu_{12}^2\mu_{42}\mu_{24} + 6\mu_{20}\mu_{12}^2\mu_{33}^2 - 2\mu_{20}\mu_{12}\mu_{03}\mu_{60}\mu_{15} \\
& +6\mu_{20}\mu_{12}\mu_{03}\mu_{51}\mu_{24} - 4\mu_{20}\mu_{12}\mu_{03}\mu_{42}\mu_{33} + \mu_{20}\mu_{03}^2\mu_{60}\mu_{24} \\
& -4\mu_{20}\mu_{03}^2\mu_{51}\mu_{33} + 3\mu_{20}\mu_{03}^2\mu_{42}^2 - 2\mu_{11}\mu_{30}\mu_{21}\mu_{42}\mu_{06} \\
& +8\mu_{11}\mu_{30}\mu_{21}\mu_{33}\mu_{15} - 6\mu_{11}\mu_{30}\mu_{21}\mu_{24}^2 + 2\mu_{11}\mu_{30}\mu_{03}\mu_{51}\mu_{15} \\
& -8\mu_{11}\mu_{30}\mu_{03}\mu_{42}\mu_{24} + 6\mu_{11}\mu_{30}\mu_{03}\mu_{33}^2 + 4\mu_{11}\mu_{21}^2\mu_{51}\mu_{06} \\
& -12\mu_{11}\mu_{21}^2\mu_{42}\mu_{15} + 8\mu_{11}\mu_{21}^2\mu_{33}\mu_{24} - 2\mu_{11}\mu_{21}\mu_{12}\mu_{60}\mu_{06} \\
& -2\mu_{11}\mu_{21}\mu_{12}\mu_{51}\mu_{15} + 26\mu_{11}\mu_{21}\mu_{12}\mu_{42}\mu_{24} - 22\mu_{11}\mu_{21}\mu_{12}\mu_{33}^2 \\
& +4\mu_{11}\mu_{12}^2\mu_{60}\mu_{15} - 12\mu_{11}\mu_{12}^2\mu_{51}\mu_{24} + 8\mu_{11}\mu_{12}^2\mu_{42}\mu_{33} \\
& -2\mu_{11}\mu_{12}\mu_{03}\mu_{60}\mu_{24} + 8\mu_{11}\mu_{12}\mu_{03}\mu_{51}\mu_{33} - 6\mu_{11}\mu_{12}\mu_{03}\mu_{42}^2 \\
& +\mu_{02}\mu_{30}^2\mu_{42}\mu_{06} - 4\mu_{02}\mu_{30}^2\mu_{33}\mu_{15} + 3\mu_{02}\mu_{30}^2\mu_{24}^2 - 2\mu_{02}\mu_{30}\mu_{21}\mu_{51}\mu_{06} \\
& +6\mu_{02}\mu_{30}\mu_{21}\mu_{42}\mu_{15} - 4\mu_{02}\mu_{30}\mu_{21}\mu_{33}\mu_{24} + \mu_{02}\mu_{30}\mu_{12}\mu_{60}\mu_{06} \\
& -2\mu_{02}\mu_{30}\mu_{12}\mu_{51}\mu_{15} - \mu_{02}\mu_{30}\mu_{12}\mu_{42}\mu_{24} + 2\mu_{02}\mu_{30}\mu_{12}\mu_{33}^2 \\
& -\mu_{02}\mu_{30}\mu_{03}\mu_{60}\mu_{15} + 3\mu_{02}\mu_{30}\mu_{03}\mu_{51}\mu_{24} - 2\mu_{02}\mu_{30}\mu_{03}\mu_{42}\mu_{33} \\
& +2\mu_{02}\mu_{21}^2\mu_{51}\mu_{15} - 8\mu_{02}\mu_{21}^2\mu_{42}\mu_{24} + 6\mu_{02}\mu_{21}^2\mu_{33}^2 - \mu_{02}\mu_{21}\mu_{12}\mu_{60}\mu_{15} \\
& +3\mu_{02}\mu_{21}\mu_{12}\mu_{51}\mu_{24} - 2\mu_{02}\mu_{21}\mu_{12}\mu_{42}\mu_{33} + 2\mu_{02}\mu_{21}\mu_{03}\mu_{60}\mu_{24} \\
& -8\mu_{02}\mu_{21}\mu_{03}\mu_{51}\mu_{33} + 6\mu_{02}\mu_{21}\mu_{03}\mu_{42}^2 - \mu_{02}\mu_{12}^2\mu_{60}\mu_{24} \\
& +4\mu_{02}\mu_{12}^2\mu_{51}\mu_{33} - 3\mu_{02}\mu_{12}^2\mu_{42}^2)/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,2,0,0,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |



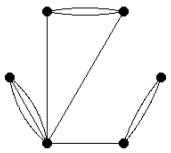
$$
\begin{aligned}
I_{132} \;=\; & (\mu_{20}\mu_{30}^2\mu_{12}^2\mu_{06} - 2\mu_{20}\mu_{30}^2\mu_{12}\mu_{03}\mu_{15} + \mu_{20}\mu_{30}^2\mu_{03}^2\mu_{24} \\
& -\mu_{20}\mu_{30}\mu_{21}^2\mu_{12}\mu_{06} + \mu_{20}\mu_{30}\mu_{21}^2\mu_{03}\mu_{15} - 2\mu_{20}\mu_{30}\mu_{21}\mu_{12}^2\mu_{15} \\
& +6\mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{03}\mu_{24} - 4\mu_{20}\mu_{30}\mu_{21}\mu_{03}^2\mu_{33} + 2\mu_{20}\mu_{30}\mu_{12}^3\mu_{24} \\
& -6\mu_{20}\mu_{30}\mu_{12}^2\mu_{03}\mu_{33} + 5\mu_{20}\mu_{30}\mu_{12}\mu_{03}^2\mu_{42} - \mu_{20}\mu_{30}\mu_{03}^3\mu_{51} \\
& +3\mu_{20}\mu_{21}^3\mu_{12}\mu_{15} - 3\mu_{20}\mu_{21}^3\mu_{03}\mu_{24} - 6\mu_{20}\mu_{21}^2\mu_{12}^2\mu_{24} \\
& +4\mu_{20}\mu_{21}^2\mu_{12}\mu_{03}\mu_{33} + 2\mu_{20}\mu_{21}^2\mu_{03}^2\mu_{42} + 6\mu_{20}\mu_{21}\mu_{12}^3\mu_{33} \\
& -4\mu_{20}\mu_{21}\mu_{12}^2\mu_{03}\mu_{42} - 3\mu_{20}\mu_{21}\mu_{12}\mu_{03}^2\mu_{51} + \mu_{20}\mu_{21}\mu_{03}^3\mu_{60} \\
& -3\mu_{20}\mu_{12}^4\mu_{42} + 4\mu_{20}\mu_{12}^3\mu_{03}\mu_{51} - \mu_{20}\mu_{12}^2\mu_{03}^2\mu_{60} - 2\mu_{11}\mu_{30}^2\mu_{21}\mu_{12}\mu_{06} \\
& +2\mu_{11}\mu_{30}^2\mu_{21}\mu_{03}\mu_{15} + 2\mu_{11}\mu_{30}^2\mu_{12}^2\mu_{15} - 2\mu_{11}\mu_{30}^2\mu_{12}\mu_{03}\mu_{24} \\
& +2\mu_{11}\mu_{30}\mu_{21}^3\mu_{06} + 2\mu_{11}\mu_{30}\mu_{21}^2\mu_{12}\mu_{15} - 8\mu_{11}\mu_{30}\mu_{21}^2\mu_{03}\mu_{24} \\
& -8\mu_{11}\mu_{30}\mu_{21}\mu_{12}^2\mu_{24} + 16\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{03}\mu_{33} - 2\mu_{11}\mu_{30}\mu_{21}\mu_{03}^2\mu_{42} \\
& +4\mu_{11}\mu_{30}\mu_{12}^3\mu_{33} - 8\mu_{11}\mu_{30}\mu_{12}^2\mu_{03}\mu_{42} + 2\mu_{11}\mu_{30}\mu_{12}\mu_{03}^2\mu_{51} \\
& -6\mu_{11}\mu_{21}^4\mu_{15} + 18\mu_{11}\mu_{21}^3\mu_{12}\mu_{24} + 4\mu_{11}\mu_{21}^3\mu_{03}\mu_{33} - 24\mu_{11}\mu_{21}^2\mu_{12}^2\mu_{33} \\
& -8\mu_{11}\mu_{21}^2\mu_{12}\mu_{03}\mu_{42} + 2\mu_{11}\mu_{21}^2\mu_{03}^2\mu_{51} + 18\mu_{11}\mu_{21}\mu_{12}^3\mu_{42} \\
& +2\mu_{11}\mu_{21}\mu_{12}^2\mu_{03}\mu_{51} - 2\mu_{11}\mu_{21}\mu_{12}\mu_{03}^2\mu_{60} - 6\mu_{11}\mu_{12}^4\mu_{51} \\
& +2\mu_{11}\mu_{12}^3\mu_{03}\mu_{60} + \mu_{02}\mu_{30}^3\mu_{12}\mu_{06} - \mu_{02}\mu_{30}^3\mu_{03}\mu_{15} - \mu_{02}\mu_{30}^2\mu_{21}^2\mu_{06} \\
& -3\mu_{02}\mu_{30}^2\mu_{21}\mu_{12}\mu_{15} + 5\mu_{02}\mu_{30}^2\mu_{21}\mu_{03}\mu_{24} + 2\mu_{02}\mu_{30}^2\mu_{12}^2\mu_{24} \\
& -4\mu_{02}\mu_{30}^2\mu_{12}\mu_{03}\mu_{33} + \mu_{02}\mu_{30}^2\mu_{03}^2\mu_{42} + 4\mu_{02}\mu_{30}\mu_{21}^3\mu_{15} \\
& -4\mu_{02}\mu_{30}\mu_{21}^2\mu_{12}\mu_{24} - 6\mu_{02}\mu_{30}\mu_{21}^2\mu_{03}\mu_{33} + 4\mu_{02}\mu_{30}\mu_{21}\mu_{12}^2\mu_{33} \\
& +6\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{03}\mu_{42} - 2\mu_{02}\mu_{30}\mu_{21}\mu_{03}^2\mu_{51} - 3\mu_{02}\mu_{30}\mu_{12}^3\mu_{42} \\
& +\mu_{02}\mu_{30}\mu_{12}^2\mu_{03}\mu_{51} - 3\mu_{02}\mu_{21}^4\mu_{24} + 6\mu_{02}\mu_{21}^3\mu_{12}\mu_{33} + 2\mu_{02}\mu_{21}^3\mu_{03}\mu_{42} \\
& -6\mu_{02}\mu_{21}^2\mu_{12}^2\mu_{42} - 2\mu_{02}\mu_{21}^2\mu_{12}\mu_{03}\mu_{51} + \mu_{02}\mu_{21}^2\mu_{03}^2\mu_{60} \\
& +3\mu_{02}\mu_{21}\mu_{12}^3\mu_{51} - \mu_{02}\mu_{21}\mu_{12}^2\mu_{03}\mu_{60})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 1,4,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 |
| 2 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |



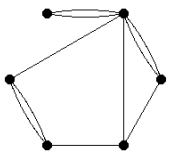
$$
\begin{aligned}
I_{133} \;=\; & (\mu_{20}\mu_{30}^2\mu_{12}^2\mu_{06} - 2\mu_{20}\mu_{30}^2\mu_{12}\mu_{03}\mu_{15} + \mu_{20}\mu_{30}^2\mu_{03}^2\mu_{24} \\
& -2\mu_{20}\mu_{30}\mu_{21}^2\mu_{12}\mu_{06} + 2\mu_{20}\mu_{30}\mu_{21}^2\mu_{03}\mu_{15} + 2\mu_{20}\mu_{30}\mu_{21}\mu_{12}^2\mu_{15} \\
& -2\mu_{20}\mu_{30}\mu_{21}\mu_{03}^2\mu_{33} - 2\mu_{20}\mu_{30}\mu_{12}^3\mu_{24} + 2\mu_{20}\mu_{30}\mu_{12}^2\mu_{03}\mu_{33} \\
& +\mu_{20}\mu_{21}^4\mu_{06} - 2\mu_{20}\mu_{21}^3\mu_{12}\mu_{15} - 2\mu_{20}\mu_{21}^3\mu_{03}\mu_{24} + 3\mu_{20}\mu_{21}^2\mu_{12}^2\mu_{24} \\
& +2\mu_{20}\mu_{21}^2\mu_{12}\mu_{03}\mu_{33} + \mu_{20}\mu_{21}^2\mu_{03}^2\mu_{42} - 2\mu_{20}\mu_{21}\mu_{12}^3\mu_{33} \\
& -2\mu_{20}\mu_{21}\mu_{12}^2\mu_{03}\mu_{42} + \mu_{20}\mu_{12}^4\mu_{42} - 2\mu_{11}\mu_{30}^2\mu_{12}^2\mu_{15} \\
& +4\mu_{11}\mu_{30}^2\mu_{12}\mu_{03}\mu_{24} - 2\mu_{11}\mu_{30}^2\mu_{03}^2\mu_{33} + 4\mu_{11}\mu_{30}\mu_{21}^2\mu_{12}\mu_{15} \\
& -4\mu_{11}\mu_{30}\mu_{21}^2\mu_{03}\mu_{24} - 4\mu_{11}\mu_{30}\mu_{21}\mu_{12}^2\mu_{24} + 4\mu_{11}\mu_{30}\mu_{21}\mu_{03}^2\mu_{42} \\
& +4\mu_{11}\mu_{30}\mu_{12}^3\mu_{33} - 4\mu_{11}\mu_{30}\mu_{12}^2\mu_{03}\mu_{42} - 2\mu_{11}\mu_{21}^4\mu_{15} + 4\mu_{11}\mu_{21}^3\mu_{12}\mu_{24} \\
& +4\mu_{11}\mu_{21}^3\mu_{03}\mu_{33} - 6\mu_{11}\mu_{21}^2\mu_{12}^2\mu_{33} - 4\mu_{11}\mu_{21}^2\mu_{12}\mu_{03}\mu_{42} \\
& -2\mu_{11}\mu_{21}^2\mu_{03}^2\mu_{51} + 4\mu_{11}\mu_{21}\mu_{12}^3\mu_{42} + 4\mu_{11}\mu_{21}\mu_{12}^2\mu_{03}\mu_{51} - 2\mu_{11}\mu_{12}^4\mu_{51} \\
& +\mu_{02}\mu_{30}^2\mu_{12}^2\mu_{24} - 2\mu_{02}\mu_{30}^2\mu_{12}\mu_{03}\mu_{33} + \mu_{02}\mu_{30}^2\mu_{03}^2\mu_{42} \\
& -2\mu_{02}\mu_{30}\mu_{21}^2\mu_{12}\mu_{24} + 2\mu_{02}\mu_{30}\mu_{21}^2\mu_{03}\mu_{33} + 2\mu_{02}\mu_{30}\mu_{21}\mu_{12}^2\mu_{33} \\
& -2\mu_{02}\mu_{30}\mu_{21}\mu_{03}^2\mu_{51} - 2\mu_{02}\mu_{30}\mu_{12}^3\mu_{42} + 2\mu_{02}\mu_{30}\mu_{12}^2\mu_{03}\mu_{51} \\
& +\mu_{02}\mu_{21}^4\mu_{24} - 2\mu_{02}\mu_{21}^3\mu_{12}\mu_{33} - 2\mu_{02}\mu_{21}^3\mu_{03}\mu_{42} + 3\mu_{02}\mu_{21}^2\mu_{12}^2\mu_{42} \\
& +2\mu_{02}\mu_{21}^2\mu_{12}\mu_{03}\mu_{51} + \mu_{02}\mu_{21}^2\mu_{03}^2\mu_{60} - 2\mu_{02}\mu_{21}\mu_{12}^3\mu_{51} \\
& -2\mu_{02}\mu_{21}\mu_{12}^2\mu_{03}\mu_{60} + \mu_{02}\mu_{12}^4\mu_{60})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 1,4,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 |
| 2 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 |



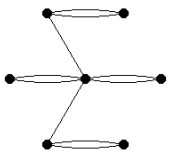
$$
\begin{aligned}
I_{134} \;=\; & (\mu_{20}^4\mu_{12}^2\mu_{06} - 2\mu_{20}^4\mu_{12}\mu_{03}\mu_{15} + \mu_{20}^4\mu_{03}^2\mu_{24} - 4\mu_{20}^3\mu_{11}\mu_{21}\mu_{12}\mu_{06} \\
& +4\mu_{20}^3\mu_{11}\mu_{21}\mu_{03}\mu_{15} + 4\mu_{20}^3\mu_{11}\mu_{12}\mu_{03}\mu_{24} - 4\mu_{20}^3\mu_{11}\mu_{03}^2\mu_{33} \\
& +2\mu_{20}^3\mu_{02}\mu_{30}\mu_{12}\mu_{06} - 2\mu_{20}^3\mu_{02}\mu_{30}\mu_{03}\mu_{15} - 2\mu_{20}^3\mu_{02}\mu_{21}\mu_{12}\mu_{15} \\
& +2\mu_{20}^3\mu_{02}\mu_{21}\mu_{03}\mu_{24} + 2\mu_{20}^3\mu_{02}\mu_{12}^2\mu_{24} - 4\mu_{20}^3\mu_{02}\mu_{12}\mu_{03}\mu_{33} \\
& +2\mu_{20}^3\mu_{02}\mu_{03}^2\mu_{42} + 4\mu_{20}^2\mu_{11}^2\mu_{21}^2\mu_{06} + 8\mu_{20}^2\mu_{11}^2\mu_{21}\mu_{12}\mu_{15} \\
& -16\mu_{20}^2\mu_{11}^2\mu_{21}\mu_{03}\mu_{24} - 8\mu_{20}^2\mu_{11}^2\mu_{12}^2\mu_{24} + 8\mu_{20}^2\mu_{11}^2\mu_{12}\mu_{03}\mu_{33} \\
& +4\mu_{20}^2\mu_{11}^2\mu_{03}^2\mu_{42} - 4\mu_{20}^2\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{06} - 4\mu_{20}^2\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{15} \\
& +8\mu_{20}^2\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{24} + 4\mu_{20}^2\mu_{11}\mu_{02}\mu_{21}^2\mu_{15} \\
& -4\mu_{20}^2\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{24} + 4\mu_{20}^2\mu_{11}\mu_{02}\mu_{12}^2\mu_{33} - 4\mu_{20}^2\mu_{11}\mu_{02}\mu_{03}^2\mu_{51} \\
& +\mu_{20}^2\mu_{02}^2\mu_{30}^2\mu_{06} - 2\mu_{20}^2\mu_{02}^2\mu_{30}\mu_{21}\mu_{15} + 4\mu_{20}^2\mu_{02}^2\mu_{30}\mu_{12}\mu_{24} \\
& -4\mu_{20}^2\mu_{02}^2\mu_{30}\mu_{03}\mu_{33} + \mu_{20}^2\mu_{02}^2\mu_{21}^2\mu_{24} - 4\mu_{20}^2\mu_{02}^2\mu_{21}\mu_{12}\mu_{33} \\
& +4\mu_{20}^2\mu_{02}^2\mu_{21}\mu_{03}\mu_{42} + \mu_{20}^2\mu_{02}^2\mu_{12}^2\mu_{42} - 2\mu_{20}^2\mu_{02}^2\mu_{12}\mu_{03}\mu_{51} \\
& +\mu_{20}^2\mu_{02}^2\mu_{03}^2\mu_{60} - 16\mu_{20}\mu_{11}^3\mu_{21}^2\mu_{15} + 16\mu_{20}\mu_{11}^3\mu_{21}\mu_{12}\mu_{24} \\
& +16\mu_{20}\mu_{11}^3\mu_{21}\mu_{03}\mu_{33} - 16\mu_{20}\mu_{11}^3\mu_{12}\mu_{03}\mu_{42} + 16\mu_{20}\mu_{11}^2\mu_{02}\mu_{30}\mu_{21}\mu_{15} \\
& -8\mu_{20}\mu_{11}^2\mu_{02}\mu_{30}\mu_{12}\mu_{24} - 8\mu_{20}\mu_{11}^2\mu_{02}\mu_{30}\mu_{03}\mu_{33} \\
& -8\mu_{20}\mu_{11}^2\mu_{02}\mu_{21}^2\mu_{24} + 8\mu_{20}\mu_{11}^2\mu_{02}\mu_{21}\mu_{12}\mu_{33} \\
& -8\mu_{20}\mu_{11}^2\mu_{02}\mu_{21}\mu_{03}\mu_{42} - 8\mu_{20}\mu_{11}^2\mu_{02}\mu_{12}^2\mu_{42} \\
& +16\mu_{20}\mu_{11}^2\mu_{02}\mu_{12}\mu_{03}\mu_{51} - 4\mu_{20}\mu_{11}\mu_{02}^2\mu_{30}^2\mu_{15} \\
& +8\mu_{20}\mu_{11}\mu_{02}^2\mu_{30}\mu_{03}\mu_{42} + 4\mu_{20}\mu_{11}\mu_{02}^2\mu_{21}^2\mu_{33} \\
& -4\mu_{20}\mu_{11}\mu_{02}^2\mu_{21}\mu_{12}\mu_{42} - 4\mu_{20}\mu_{11}\mu_{02}^2\mu_{21}\mu_{03}\mu_{51} \\
& +4\mu_{20}\mu_{11}\mu_{02}^2\mu_{12}^2\mu_{51} - 4\mu_{20}\mu_{11}\mu_{02}^2\mu_{12}\mu_{03}\mu_{60} + 2\mu_{20}\mu_{02}^3\mu_{30}^2\mu_{24} \\
& -4\mu_{20}\mu_{02}^3\mu_{30}\mu_{21}\mu_{33} + 2\mu_{20}\mu_{02}^3\mu_{30}\mu_{12}\mu_{42} - 2\mu_{20}\mu_{02}^3\mu_{30}\mu_{03}\mu_{51} \\
& +2\mu_{20}\mu_{02}^3\mu_{21}^2\mu_{42} - 2\mu_{20}\mu_{02}^3\mu_{21}\mu_{12}\mu_{51} + 2\mu_{20}\mu_{02}^3\mu_{21}\mu_{03}\mu_{60} \\
& +16\mu_{11}^4\mu_{21}^2\mu_{24} - 32\mu_{11}^4\mu_{21}\mu_{12}\mu_{33} + 16\mu_{11}^4\mu_{12}^2\mu_{42} - 16\mu_{11}^3\mu_{02}\mu_{30}\mu_{21}\mu_{24} \\
& +16\mu_{11}^3\mu_{02}\mu_{30}\mu_{12}\mu_{33} + 16\mu_{11}^3\mu_{02}\mu_{21}\mu_{12}\mu_{42} - 16\mu_{11}^3\mu_{02}\mu_{12}^2\mu_{51} \\
& +4\mu_{11}^2\mu_{02}^2\mu_{30}^2\mu_{24} + 8\mu_{11}^2\mu_{02}^2\mu_{30}\mu_{21}\mu_{33} - 16\mu_{11}^2\mu_{02}^2\mu_{30}\mu_{12}\mu_{42} \\
& -8\mu_{11}^2\mu_{02}^2\mu_{21}^2\mu_{42} + 8\mu_{11}^2\mu_{02}^2\mu_{21}\mu_{12}\mu_{51} + 4\mu_{11}^2\mu_{02}^2\mu_{12}^2\mu_{60} \\
& -4\mu_{11}\mu_{02}^3\mu_{30}^2\mu_{33} + 4\mu_{11}\mu_{02}^3\mu_{30}\mu_{21}\mu_{42} + 4\mu_{11}\mu_{02}^3\mu_{30}\mu_{12}\mu_{51} \\
& -4\mu_{11}\mu_{02}^3\mu_{21}\mu_{12}\mu_{60} + \mu_{02}^4\mu_{30}^2\mu_{42} - 2\mu_{02}^4\mu_{30}\mu_{21}\mu_{51} + \mu_{02}^4\mu_{21}^2\mu_{60})/\mu_{00}^{17}
\end{aligned}
$$

weight=10

structure: 4,2,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 |
| 2 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7 |



**Simultaneous invariants of the orders 2, 4 and 6**

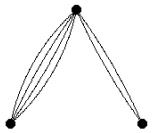
$$\begin{aligned} I_{135} \;=\; & (\mu_{20}\mu_{40}\mu_{06} - 4\mu_{20}\mu_{31}\mu_{15} + 6\mu_{20}\mu_{22}\mu_{24} - 4\mu_{20}\mu_{13}\mu_{33} + \mu_{20}\mu_{04}\mu_{42} \\ & -2\mu_{11}\mu_{40}\mu_{15} + 8\mu_{11}\mu_{31}\mu_{24} - 12\mu_{11}\mu_{22}\mu_{33} + 8\mu_{11}\mu_{13}\mu_{42} - 2\mu_{11}\mu_{04}\mu_{51} \\ & +\mu_{02}\mu_{40}\mu_{24} - 4\mu_{02}\mu_{31}\mu_{33} + 6\mu_{02}\mu_{22}\mu_{42} - 4\mu_{02}\mu_{13}\mu_{51} + \mu_{02}\mu_{04}\mu_{60})/\mu_{00}^{9} \end{aligned}$$

weight=6

structure: 1,0,1,0,1

Generating graph:

| | | | | | |
|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 3 | 3 |



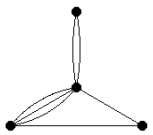
$$\begin{aligned} I_{136} \;=\; & (-\mu_{20}^2\mu_{31}\mu_{06} + 3\mu_{20}^2\mu_{22}\mu_{15} - 3\mu_{20}^2\mu_{13}\mu_{24} + \mu_{20}^2\mu_{04}\mu_{33} + \mu_{20}\mu_{11}\mu_{40}\mu_{06} \\ & -6\mu_{20}\mu_{11}\mu_{22}\mu_{24} + 8\mu_{20}\mu_{11}\mu_{13}\mu_{33} - 3\mu_{20}\mu_{11}\mu_{04}\mu_{42} - \mu_{20}\mu_{02}\mu_{40}\mu_{15} \\ & +2\mu_{20}\mu_{02}\mu_{31}\mu_{24} - 2\mu_{20}\mu_{02}\mu_{13}\mu_{42} + \mu_{20}\mu_{02}\mu_{04}\mu_{51} - 2\mu_{11}^2\mu_{40}\mu_{15} \\ & +4\mu_{11}^2\mu_{31}\mu_{24} - 4\mu_{11}^2\mu_{13}\mu_{42} + 2\mu_{11}^2\mu_{04}\mu_{51} + 3\mu_{11}\mu_{02}\mu_{40}\mu_{24} \\ & -8\mu_{11}\mu_{02}\mu_{31}\mu_{33} + 6\mu_{11}\mu_{02}\mu_{22}\mu_{42} - \mu_{11}\mu_{02}\mu_{04}\mu_{60} - \mu_{02}^2\mu_{40}\mu_{33} \\ & +3\mu_{02}^2\mu_{31}\mu_{42} - 3\mu_{02}^2\mu_{22}\mu_{51} + \mu_{02}^2\mu_{13}\mu_{60})/\mu_{00}^{11} \end{aligned}$$

weight=7

structure: 2,0,1,0,1

Generating graph:

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 3 | 3 | 4 | 4 |



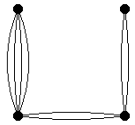
$$
\begin{aligned}
I_{137} \;=\; & (\mu_{20}\mu_{40}\mu_{22}\mu_{06} - 2\mu_{20}\mu_{40}\mu_{13}\mu_{15} + \mu_{20}\mu_{40}\mu_{04}\mu_{24} - 4\mu_{20}\mu_{31}\mu_{22}\mu_{15} \\
& +8\mu_{20}\mu_{31}\mu_{13}\mu_{24} - 4\mu_{20}\mu_{31}\mu_{04}\mu_{33} + 6\mu_{20}\mu_{22}^2\mu_{24} - 16\mu_{20}\mu_{22}\mu_{13}\mu_{33} \\
& +7\mu_{20}\mu_{22}\mu_{04}\mu_{42} + 8\mu_{20}\mu_{13}^2\mu_{42} - 6\mu_{20}\mu_{13}\mu_{04}\mu_{51} + \mu_{20}\mu_{04}^2\mu_{60} \\
& -2\mu_{11}\mu_{40}\mu_{31}\mu_{06} + 4\mu_{11}\mu_{40}\mu_{22}\mu_{15} - 2\mu_{11}\mu_{40}\mu_{13}\mu_{24} + 8\mu_{11}\mu_{31}^2\mu_{15} \\
& -28\mu_{11}\mu_{31}\mu_{22}\mu_{24} + 16\mu_{11}\mu_{31}\mu_{13}\mu_{33} - 2\mu_{11}\mu_{31}\mu_{04}\mu_{42} + 24\mu_{11}\mu_{22}^2\mu_{33} \\
& -28\mu_{11}\mu_{22}\mu_{13}\mu_{42} + 4\mu_{11}\mu_{22}\mu_{04}\mu_{51} + 8\mu_{11}\mu_{13}^2\mu_{51} - 2\mu_{11}\mu_{13}\mu_{04}\mu_{60} \\
& +\mu_{02}\mu_{40}^2\mu_{06} - 6\mu_{02}\mu_{40}\mu_{31}\mu_{15} + 7\mu_{02}\mu_{40}\mu_{22}\mu_{24} - 4\mu_{02}\mu_{40}\mu_{13}\mu_{33} \\
& +\mu_{02}\mu_{40}\mu_{04}\mu_{42} + 8\mu_{02}\mu_{31}^2\mu_{24} - 16\mu_{02}\mu_{31}\mu_{22}\mu_{33} + 8\mu_{02}\mu_{31}\mu_{13}\mu_{42} \\
& -2\mu_{02}\mu_{31}\mu_{04}\mu_{51} + 6\mu_{02}\mu_{22}^2\mu_{42} - 4\mu_{02}\mu_{22}\mu_{13}\mu_{51} + \mu_{02}\mu_{22}\mu_{04}\mu_{60})/\mu_{00}^{12}
\end{aligned}
$$

weight=8

structure: 1,0,2,0,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 |



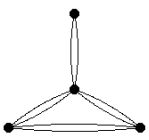
$$
\begin{aligned}
I_{138} \;=\; & (\mu_{20}\mu_{40}\mu_{22}\mu_{06} - 2\mu_{20}\mu_{40}\mu_{13}\mu_{15} + \mu_{20}\mu_{40}\mu_{04}\mu_{24} - \mu_{20}\mu_{31}^2\mu_{06} \\
& +2\mu_{20}\mu_{31}\mu_{22}\mu_{15} + 2\mu_{20}\mu_{31}\mu_{13}\mu_{24} - 2\mu_{20}\mu_{31}\mu_{04}\mu_{33} - 3\mu_{20}\mu_{22}^2\mu_{24} \\
& +2\mu_{20}\mu_{22}\mu_{13}\mu_{33} + \mu_{20}\mu_{22}\mu_{04}\mu_{42} - \mu_{20}\mu_{13}^2\mu_{42} - 2\mu_{11}\mu_{40}\mu_{22}\mu_{15} \\
& +4\mu_{11}\mu_{40}\mu_{13}\mu_{24} - 2\mu_{11}\mu_{40}\mu_{04}\mu_{33} + 2\mu_{11}\mu_{31}^2\mu_{15} - 4\mu_{11}\mu_{31}\mu_{22}\mu_{24} \\
& -4\mu_{11}\mu_{31}\mu_{13}\mu_{33} + 4\mu_{11}\mu_{31}\mu_{04}\mu_{42} + 6\mu_{11}\mu_{22}^2\mu_{33} - 4\mu_{11}\mu_{22}\mu_{13}\mu_{42} \\
& -2\mu_{11}\mu_{22}\mu_{04}\mu_{51} + 2\mu_{11}\mu_{13}^2\mu_{51} + \mu_{02}\mu_{40}\mu_{22}\mu_{24} - 2\mu_{02}\mu_{40}\mu_{13}\mu_{33} \\
& +\mu_{02}\mu_{40}\mu_{04}\mu_{42} - \mu_{02}\mu_{31}^2\mu_{24} + 2\mu_{02}\mu_{31}\mu_{22}\mu_{33} + 2\mu_{02}\mu_{31}\mu_{13}\mu_{42} \\
& -2\mu_{02}\mu_{31}\mu_{04}\mu_{51} - 3\mu_{02}\mu_{22}^2\mu_{42} + 2\mu_{02}\mu_{22}\mu_{13}\mu_{51} + \mu_{02}\mu_{22}\mu_{04}\mu_{60} \\
& -\mu_{02}\mu_{13}^2\mu_{60})/\mu_{00}^{12}
\end{aligned}
$$

weight=8

structure: 1,0,2,0,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 3 | 3 | 4 | 4 | 4 | 4 |



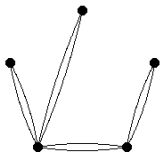
$$
\begin{aligned}
I_{139} \;=\; & (\mu_{20}^3\mu_{22}\mu_{06} - 2\mu_{20}^3\mu_{13}\mu_{15} + \mu_{20}^3\mu_{04}\mu_{24} - 2\mu_{20}^2\mu_{11}\mu_{31}\mu_{06} \\
& +6\mu_{20}^2\mu_{11}\mu_{13}\mu_{24} - 4\mu_{20}^2\mu_{11}\mu_{04}\mu_{33} + \mu_{20}^2\mu_{02}\mu_{40}\mu_{06} - 2\mu_{20}^2\mu_{02}\mu_{31}\mu_{15} \\
& +3\mu_{20}^2\mu_{02}\mu_{22}\mu_{24} - 4\mu_{20}^2\mu_{02}\mu_{13}\mu_{33} + 2\mu_{20}^2\mu_{02}\mu_{04}\mu_{42} + 8\mu_{20}\mu_{11}^2\mu_{31}\mu_{15} \\
& -12\mu_{20}\mu_{11}^2\mu_{22}\mu_{24} + 4\mu_{20}\mu_{11}^2\mu_{04}\mu_{42} - 4\mu_{20}\mu_{11}\mu_{02}\mu_{40}\mu_{15} \\
& +4\mu_{20}\mu_{11}\mu_{02}\mu_{31}\mu_{24} + 4\mu_{20}\mu_{11}\mu_{02}\mu_{13}\mu_{42} - 4\mu_{20}\mu_{11}\mu_{02}\mu_{04}\mu_{51} \\
& +2\mu_{20}\mu_{02}^2\mu_{40}\mu_{24} - 4\mu_{20}\mu_{02}^2\mu_{31}\mu_{33} + 3\mu_{20}\mu_{02}^2\mu_{22}\mu_{42} - 2\mu_{20}\mu_{02}^2\mu_{13}\mu_{51} \\
& +\mu_{20}\mu_{02}^2\mu_{04}\mu_{60} - 8\mu_{11}^3\mu_{31}\mu_{24} + 16\mu_{11}^3\mu_{22}\mu_{33} - 8\mu_{11}^3\mu_{13}\mu_{42} \\
& +4\mu_{11}^2\mu_{02}\mu_{40}\mu_{24} - 12\mu_{11}^2\mu_{02}\mu_{22}\mu_{42} + 8\mu_{11}^2\mu_{02}\mu_{13}\mu_{51} - 4\mu_{11}\mu_{02}^2\mu_{40}\mu_{33} \\
& +6\mu_{11}\mu_{02}^2\mu_{31}\mu_{42} - 2\mu_{11}\mu_{02}^2\mu_{13}\mu_{60} + \mu_{02}^3\mu_{40}\mu_{42} - 2\mu_{02}^3\mu_{31}\mu_{51} \\
& +\mu_{02}^3\mu_{22}\mu_{60})/\mu_{00}^{13}
\end{aligned}
$$

weight=8

structure: 3,0,1,0,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 |



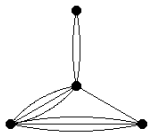
$$
\begin{aligned}
I_{140} \;=\; & (-2\mu_{20}\mu_{31}\mu_{42}\mu_{06} + 8\mu_{20}\mu_{31}\mu_{33}\mu_{15} - 6\mu_{20}\mu_{31}\mu_{24}^2 + 3\mu_{20}\mu_{22}\mu_{51}\mu_{06} \\
& -9\mu_{20}\mu_{22}\mu_{42}\mu_{15} + 6\mu_{20}\mu_{22}\mu_{33}\mu_{24} - \mu_{20}\mu_{13}\mu_{60}\mu_{06} + 9\mu_{20}\mu_{13}\mu_{42}\mu_{24} \\
& -8\mu_{20}\mu_{13}\mu_{33}^2 + \mu_{20}\mu_{04}\mu_{60}\mu_{15} - 3\mu_{20}\mu_{04}\mu_{51}\mu_{24} + 2\mu_{20}\mu_{04}\mu_{42}\mu_{33} \\
& +2\mu_{11}\mu_{40}\mu_{42}\mu_{06} - 8\mu_{11}\mu_{40}\mu_{33}\mu_{15} + 6\mu_{11}\mu_{40}\mu_{24}^2 - 2\mu_{11}\mu_{31}\mu_{51}\mu_{06} \\
& +6\mu_{11}\mu_{31}\mu_{42}\mu_{15} - 4\mu_{11}\mu_{31}\mu_{33}\mu_{24} + 2\mu_{11}\mu_{13}\mu_{60}\mu_{15} - 6\mu_{11}\mu_{13}\mu_{51}\mu_{24} \\
& +4\mu_{11}\mu_{13}\mu_{42}\mu_{33} - 2\mu_{11}\mu_{04}\mu_{60}\mu_{24} + 8\mu_{11}\mu_{04}\mu_{51}\mu_{33} - 6\mu_{11}\mu_{04}\mu_{42}^2 \\
& -\mu_{02}\mu_{40}\mu_{51}\mu_{06} + 3\mu_{02}\mu_{40}\mu_{42}\mu_{15} - 2\mu_{02}\mu_{40}\mu_{33}\mu_{24} + \mu_{02}\mu_{31}\mu_{60}\mu_{06} \\
& -9\mu_{02}\mu_{31}\mu_{42}\mu_{24} + 8\mu_{02}\mu_{31}\mu_{33}^2 - 3\mu_{02}\mu_{22}\mu_{60}\mu_{15} + 9\mu_{02}\mu_{22}\mu_{51}\mu_{24} \\
& -6\mu_{02}\mu_{22}\mu_{42}\mu_{33} + 2\mu_{02}\mu_{13}\mu_{60}\mu_{24} - 8\mu_{02}\mu_{13}\mu_{51}\mu_{33} + 6\mu_{02}\mu_{13}\mu_{42}^2)/\mu_{00}^{13}
\end{aligned}
$$

weight=9

structure: 1,0,1,0,2

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 |



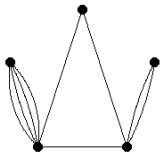
$$
\begin{aligned}
I_{141} \;=\; & (-\mu_{20}^2\mu_{40}\mu_{13}\mu_{06} + \mu_{20}^2\mu_{40}\mu_{04}\mu_{15} + 4\mu_{20}^2\mu_{31}\mu_{13}\mu_{15} - 4\mu_{20}^2\mu_{31}\mu_{04}\mu_{24} \\
& -6\mu_{20}^2\mu_{22}\mu_{13}\mu_{24} + 6\mu_{20}^2\mu_{22}\mu_{04}\mu_{33} + 4\mu_{20}^2\mu_{13}^2\mu_{33} - 5\mu_{20}^2\mu_{13}\mu_{04}\mu_{42} \\
& +\mu_{20}^2\mu_{04}^2\mu_{51} + 3\mu_{20}\mu_{11}\mu_{40}\mu_{22}\mu_{06} - 2\mu_{20}\mu_{11}\mu_{40}\mu_{13}\mu_{15} \\
& -\mu_{20}\mu_{11}\mu_{40}\mu_{04}\mu_{24} - 12\mu_{20}\mu_{11}\mu_{31}\mu_{22}\mu_{15} + 8\mu_{20}\mu_{11}\mu_{31}\mu_{13}\mu_{24} \\
& +4\mu_{20}\mu_{11}\mu_{31}\mu_{04}\mu_{33} + 18\mu_{20}\mu_{11}\mu_{22}^2\mu_{24} - 24\mu_{20}\mu_{11}\mu_{22}\mu_{13}\mu_{33} \\
& -3\mu_{20}\mu_{11}\mu_{22}\mu_{04}\mu_{42} + 8\mu_{20}\mu_{11}\mu_{13}^2\mu_{42} + 2\mu_{20}\mu_{11}\mu_{13}\mu_{04}\mu_{51} \\
& -\mu_{20}\mu_{11}\mu_{04}^2\mu_{60} - \mu_{20}\mu_{02}\mu_{40}\mu_{31}\mu_{06} + \mu_{20}\mu_{02}\mu_{40}\mu_{13}\mu_{24} \\
& +4\mu_{20}\mu_{02}\mu_{31}^2\mu_{15} - 6\mu_{20}\mu_{02}\mu_{31}\mu_{22}\mu_{24} - \mu_{20}\mu_{02}\mu_{31}\mu_{04}\mu_{42} \\
& +6\mu_{20}\mu_{02}\mu_{22}\mu_{13}\mu_{42} - 4\mu_{20}\mu_{02}\mu_{13}^2\mu_{51} + \mu_{20}\mu_{02}\mu_{13}\mu_{04}\mu_{60} \\
& -2\mu_{11}^2\mu_{40}\mu_{31}\mu_{06} + 2\mu_{11}^2\mu_{40}\mu_{13}\mu_{24} + 8\mu_{11}^2\mu_{31}^2\mu_{15} - 12\mu_{11}^2\mu_{31}\mu_{22}\mu_{24} \\
& -2\mu_{11}^2\mu_{31}\mu_{04}\mu_{42} + 12\mu_{11}^2\mu_{22}\mu_{13}\mu_{42} - 8\mu_{11}^2\mu_{13}^2\mu_{51} + 2\mu_{11}^2\mu_{13}\mu_{04}\mu_{60} \\
& +\mu_{11}\mu_{02}\mu_{40}^2\mu_{06} - 2\mu_{11}\mu_{02}\mu_{40}\mu_{31}\mu_{15} + 3\mu_{11}\mu_{02}\mu_{40}\mu_{22}\mu_{24} \\
& -4\mu_{11}\mu_{02}\mu_{40}\mu_{13}\mu_{33} + \mu_{11}\mu_{02}\mu_{40}\mu_{04}\mu_{42} - 8\mu_{11}\mu_{02}\mu_{31}^2\mu_{24} \\
& +24\mu_{11}\mu_{02}\mu_{31}\mu_{22}\mu_{33} - 8\mu_{11}\mu_{02}\mu_{31}\mu_{13}\mu_{42} + 2\mu_{11}\mu_{02}\mu_{31}\mu_{04}\mu_{51} \\
& -18\mu_{11}\mu_{02}\mu_{22}^2\mu_{42} + 12\mu_{11}\mu_{02}\mu_{22}\mu_{13}\mu_{51} - 3\mu_{11}\mu_{02}\mu_{22}\mu_{04}\mu_{60} \\
& -\mu_{02}^2\mu_{40}^2\mu_{15} + 5\mu_{02}^2\mu_{40}\mu_{31}\mu_{24} - 6\mu_{02}^2\mu_{40}\mu_{22}\mu_{33} + 4\mu_{02}^2\mu_{40}\mu_{13}\mu_{42} \\
& -\mu_{02}^2\mu_{40}\mu_{04}\mu_{51} - 4\mu_{02}^2\mu_{31}^2\mu_{33} + 6\mu_{02}^2\mu_{31}\mu_{22}\mu_{42} - 4\mu_{02}^2\mu_{31}\mu_{13}\mu_{51} \\
& +\mu_{02}^2\mu_{31}\mu_{04}\mu_{60})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 2,0,2,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5 |



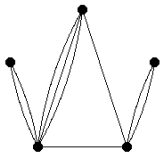
$$
\begin{aligned}
I_{142} \;=\; & (-\mu_{20}^2\mu_{40}\mu_{13}\mu_{06} + \mu_{20}^2\mu_{40}\mu_{04}\mu_{15} + \mu_{20}^2\mu_{31}\mu_{22}\mu_{06} + 2\mu_{20}^2\mu_{31}\mu_{13}\mu_{15} \\
& -3\mu_{20}^2\mu_{31}\mu_{04}\mu_{24} - 3\mu_{20}^2\mu_{22}^2\mu_{15} + 3\mu_{20}^2\mu_{22}\mu_{13}\mu_{24} + 2\mu_{20}^2\mu_{22}\mu_{04}\mu_{33} \\
& -2\mu_{20}^2\mu_{13}^2\mu_{33} + 2\mu_{20}\mu_{11}\mu_{40}\mu_{22}\mu_{06} - 2\mu_{20}\mu_{11}\mu_{40}\mu_{04}\mu_{24} \\
& -2\mu_{20}\mu_{11}\mu_{31}^2\mu_{06} - 4\mu_{20}\mu_{11}\mu_{31}\mu_{13}\mu_{24} + 8\mu_{20}\mu_{11}\mu_{31}\mu_{04}\mu_{33} \\
& +6\mu_{20}\mu_{11}\mu_{22}^2\mu_{24} - 8\mu_{20}\mu_{11}\mu_{22}\mu_{13}\mu_{33} - 6\mu_{20}\mu_{11}\mu_{22}\mu_{04}\mu_{42} \\
& +6\mu_{20}\mu_{11}\mu_{13}^2\mu_{42} - 2\mu_{20}\mu_{02}\mu_{40}\mu_{22}\mu_{15} + 2\mu_{20}\mu_{02}\mu_{40}\mu_{13}\mu_{24} \\
& +2\mu_{20}\mu_{02}\mu_{31}^2\mu_{15} - 2\mu_{20}\mu_{02}\mu_{31}\mu_{22}\mu_{24} - 2\mu_{20}\mu_{02}\mu_{31}\mu_{04}\mu_{42} \\
& +2\mu_{20}\mu_{02}\mu_{22}\mu_{13}\mu_{42} + 2\mu_{20}\mu_{02}\mu_{22}\mu_{04}\mu_{51} - 2\mu_{20}\mu_{02}\mu_{13}^2\mu_{51} \\
& -4\mu_{11}^2\mu_{40}\mu_{22}\mu_{15} + 4\mu_{11}^2\mu_{40}\mu_{13}\mu_{24} + 4\mu_{11}^2\mu_{31}^2\mu_{15} - 4\mu_{11}^2\mu_{31}\mu_{22}\mu_{24} \\
& -4\mu_{11}^2\mu_{31}\mu_{04}\mu_{42} + 4\mu_{11}^2\mu_{22}\mu_{13}\mu_{42} + 4\mu_{11}^2\mu_{22}\mu_{04}\mu_{51} - 4\mu_{11}^2\mu_{13}^2\mu_{51} \\
& +6\mu_{11}\mu_{02}\mu_{40}\mu_{22}\mu_{24} - 8\mu_{11}\mu_{02}\mu_{40}\mu_{13}\mu_{33} + 2\mu_{11}\mu_{02}\mu_{40}\mu_{04}\mu_{42} \\
& -6\mu_{11}\mu_{02}\mu_{31}^2\mu_{24} + 8\mu_{11}\mu_{02}\mu_{31}\mu_{22}\mu_{33} + 4\mu_{11}\mu_{02}\mu_{31}\mu_{13}\mu_{42} \\
& -6\mu_{11}\mu_{02}\mu_{22}^2\mu_{42} - 2\mu_{11}\mu_{02}\mu_{22}\mu_{04}\mu_{60} + 2\mu_{11}\mu_{02}\mu_{13}^2\mu_{60} \\
& -2\mu_{02}^2\mu_{40}\mu_{22}\mu_{33} + 3\mu_{02}^2\mu_{40}\mu_{13}\mu_{42} - \mu_{02}^2\mu_{40}\mu_{04}\mu_{51} + 2\mu_{02}^2\mu_{31}^2\mu_{33} \\
& -3\mu_{02}^2\mu_{31}\mu_{22}\mu_{42} - 2\mu_{02}^2\mu_{31}\mu_{13}\mu_{51} + \mu_{02}^2\mu_{31}\mu_{04}\mu_{60} + 3\mu_{02}^2\mu_{22}^2\mu_{51} \\
& -\mu_{02}^2\mu_{22}\mu_{13}\mu_{60})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 2,0,2,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 |



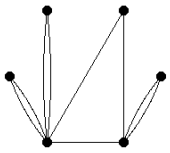
$$
\begin{aligned}
I_{143} \;=\; & (-\mu_{20}^4\mu_{13}\mu_{06} + \mu_{20}^4\mu_{04}\mu_{15} + 3\mu_{20}^3\mu_{11}\mu_{22}\mu_{06} + 2\mu_{20}^3\mu_{11}\mu_{13}\mu_{15} \\
& -5\mu_{20}^3\mu_{11}\mu_{04}\mu_{24} - \mu_{20}^3\mu_{02}\mu_{31}\mu_{06} - \mu_{20}^3\mu_{02}\mu_{13}\mu_{24} + 2\mu_{20}^3\mu_{02}\mu_{04}\mu_{33} \\
& -2\mu_{20}^2\mu_{11}^2\mu_{31}\mu_{06} - 12\mu_{20}^2\mu_{11}^2\mu_{22}\mu_{15} + 6\mu_{20}^2\mu_{11}^2\mu_{13}\mu_{24} + 8\mu_{20}^2\mu_{11}^2\mu_{04}\mu_{33} \\
& +\mu_{20}^2\mu_{11}\mu_{02}\mu_{40}\mu_{06} + 6\mu_{20}^2\mu_{11}\mu_{02}\mu_{31}\mu_{15} + 3\mu_{20}^2\mu_{11}\mu_{02}\mu_{22}\mu_{24} \\
& -4\mu_{20}^2\mu_{11}\mu_{02}\mu_{13}\mu_{33} - 6\mu_{20}^2\mu_{11}\mu_{02}\mu_{04}\mu_{42} - \mu_{20}^2\mu_{02}^2\mu_{40}\mu_{15} \\
& -\mu_{20}^2\mu_{02}^2\mu_{31}\mu_{24} + \mu_{20}^2\mu_{02}^2\mu_{13}\mu_{42} + \mu_{20}^2\mu_{02}^2\mu_{04}\mu_{51} + 8\mu_{20}\mu_{11}^3\mu_{31}\mu_{15} \\
& +12\mu_{20}\mu_{11}^3\mu_{22}\mu_{24} - 16\mu_{20}\mu_{11}^3\mu_{13}\mu_{33} - 4\mu_{20}\mu_{11}^3\mu_{04}\mu_{42} \\
& -4\mu_{20}\mu_{11}^2\mu_{02}\mu_{40}\mu_{15} - 16\mu_{20}\mu_{11}^2\mu_{02}\mu_{31}\mu_{24} + 16\mu_{20}\mu_{11}^2\mu_{02}\mu_{13}\mu_{42} \\
& +4\mu_{20}\mu_{11}^2\mu_{02}\mu_{04}\mu_{51} + 6\mu_{20}\mu_{11}\mu_{02}^2\mu_{40}\mu_{24} + 4\mu_{20}\mu_{11}\mu_{02}^2\mu_{31}\mu_{33} \\
& -3\mu_{20}\mu_{11}\mu_{02}^2\mu_{22}\mu_{42} - 6\mu_{20}\mu_{11}\mu_{02}^2\mu_{13}\mu_{51} - \mu_{20}\mu_{11}\mu_{02}^2\mu_{04}\mu_{60} \\
& -2\mu_{20}\mu_{02}^3\mu_{40}\mu_{33} + \mu_{20}\mu_{02}^3\mu_{31}\mu_{42} + \mu_{20}\mu_{02}^3\mu_{13}\mu_{60} - 8\mu_{11}^4\mu_{31}\mu_{24} \\
& +8\mu_{11}^4\mu_{13}\mu_{42} + 4\mu_{11}^3\mu_{02}\mu_{40}\mu_{24} + 16\mu_{11}^3\mu_{02}\mu_{31}\mu_{33} - 12\mu_{11}^3\mu_{02}\mu_{22}\mu_{42} \\
& -8\mu_{11}^3\mu_{02}\mu_{13}\mu_{51} - 8\mu_{11}^2\mu_{02}^2\mu_{40}\mu_{33} - 6\mu_{11}^2\mu_{02}^2\mu_{31}\mu_{42} + 12\mu_{11}^2\mu_{02}^2\mu_{22}\mu_{51} \\
& +2\mu_{11}^2\mu_{02}^2\mu_{13}\mu_{60} + 5\mu_{11}\mu_{02}^3\mu_{40}\mu_{42} - 2\mu_{11}\mu_{02}^3\mu_{31}\mu_{51} - 3\mu_{11}\mu_{02}^3\mu_{22}\mu_{60} \\
& -\mu_{02}^4\mu_{40}\mu_{51} + \mu_{02}^4\mu_{31}\mu_{60})/\mu_{00}^{15}
\end{aligned}
$$

weight=9

structure: 4,0,1,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |



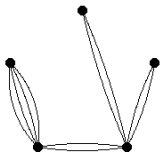
$$
\begin{aligned}
I_{144} \;=\; & (2\mu_{20}^2\mu_{40}\mu_{24}\mu_{06} - 2\mu_{20}^2\mu_{40}\mu_{15}^2 - 4\mu_{20}^2\mu_{31}\mu_{33}\mu_{06} + 4\mu_{20}^2\mu_{31}\mu_{24}\mu_{15} \\
& +6\mu_{20}^2\mu_{22}\mu_{42}\mu_{06} - 12\mu_{20}^2\mu_{22}\mu_{33}\mu_{15} + 6\mu_{20}^2\mu_{22}\mu_{24}^2 - 4\mu_{20}^2\mu_{13}\mu_{51}\mu_{06} \\
& +8\mu_{20}^2\mu_{13}\mu_{42}\mu_{15} - 4\mu_{20}^2\mu_{13}\mu_{33}\mu_{24} + \mu_{20}^2\mu_{04}\mu_{60}\mu_{06} - 2\mu_{20}^2\mu_{04}\mu_{51}\mu_{15} \\
& +\mu_{20}^2\mu_{04}\mu_{42}\mu_{24} - 4\mu_{20}\mu_{11}\mu_{40}\mu_{33}\mu_{06} + 4\mu_{20}\mu_{11}\mu_{40}\mu_{24}\mu_{15} \\
& +32\mu_{20}\mu_{11}\mu_{31}\mu_{33}\mu_{15} - 32\mu_{20}\mu_{11}\mu_{31}\mu_{24}^2 - 24\mu_{20}\mu_{11}\mu_{22}\mu_{42}\mu_{15} \\
& +24\mu_{20}\mu_{11}\mu_{22}\mu_{33}\mu_{24} + 16\mu_{20}\mu_{11}\mu_{13}\mu_{51}\mu_{15} - 32\mu_{20}\mu_{11}\mu_{13}\mu_{42}\mu_{24} \\
& +16\mu_{20}\mu_{11}\mu_{13}\mu_{33}^2 - 4\mu_{20}\mu_{11}\mu_{04}\mu_{60}\mu_{15} + 8\mu_{20}\mu_{11}\mu_{04}\mu_{51}\mu_{24} \\
& -4\mu_{20}\mu_{11}\mu_{04}\mu_{42}\mu_{33} + 2\mu_{20}\mu_{02}\mu_{40}\mu_{42}\mu_{06} - 4\mu_{20}\mu_{02}\mu_{40}\mu_{33}\mu_{15} \\
& +2\mu_{20}\mu_{02}\mu_{40}\mu_{24}^2 - 8\mu_{20}\mu_{02}\mu_{31}\mu_{42}\mu_{15} + 8\mu_{20}\mu_{02}\mu_{31}\mu_{33}\mu_{24} \\
& +24\mu_{20}\mu_{02}\mu_{22}\mu_{42}\mu_{24} - 24\mu_{20}\mu_{02}\mu_{22}\mu_{33}^2 - 8\mu_{20}\mu_{02}\mu_{13}\mu_{51}\mu_{24} \\
& +8\mu_{20}\mu_{02}\mu_{13}\mu_{42}\mu_{33} + 2\mu_{20}\mu_{02}\mu_{04}\mu_{60}\mu_{24} - 4\mu_{20}\mu_{02}\mu_{04}\mu_{51}\mu_{33} \\
& +2\mu_{20}\mu_{02}\mu_{04}\mu_{42}^2 + 4\mu_{11}^2\mu_{40}\mu_{42}\mu_{06} - 8\mu_{11}^2\mu_{40}\mu_{33}\mu_{15} + 4\mu_{11}^2\mu_{40}\mu_{24}^2 \\
& -16\mu_{11}^2\mu_{31}\mu_{42}\mu_{15} + 16\mu_{11}^2\mu_{31}\mu_{33}\mu_{24} + 48\mu_{11}^2\mu_{22}\mu_{42}\mu_{24} - 48\mu_{11}^2\mu_{22}\mu_{33}^2 \\
& -16\mu_{11}^2\mu_{13}\mu_{51}\mu_{24} + 16\mu_{11}^2\mu_{13}\mu_{42}\mu_{33} + 4\mu_{11}^2\mu_{04}\mu_{60}\mu_{24} - 8\mu_{11}^2\mu_{04}\mu_{51}\mu_{33} \\
& +4\mu_{11}^2\mu_{04}\mu_{42}^2 - 4\mu_{11}\mu_{02}\mu_{40}\mu_{51}\mu_{06} + 8\mu_{11}\mu_{02}\mu_{40}\mu_{42}\mu_{15} \\
& -4\mu_{11}\mu_{02}\mu_{40}\mu_{33}\mu_{24} + 16\mu_{11}\mu_{02}\mu_{31}\mu_{51}\mu_{15} - 32\mu_{11}\mu_{02}\mu_{31}\mu_{42}\mu_{24} \\
& +16\mu_{11}\mu_{02}\mu_{31}\mu_{33}^2 - 24\mu_{11}\mu_{02}\mu_{22}\mu_{51}\mu_{24} + 24\mu_{11}\mu_{02}\mu_{22}\mu_{42}\mu_{33} \\
& +32\mu_{11}\mu_{02}\mu_{13}\mu_{51}\mu_{33} - 32\mu_{11}\mu_{02}\mu_{13}\mu_{42}^2 - 4\mu_{11}\mu_{02}\mu_{04}\mu_{60}\mu_{33} \\
& +4\mu_{11}\mu_{02}\mu_{04}\mu_{51}\mu_{42} + \mu_{02}^2\mu_{40}\mu_{60}\mu_{06} - 2\mu_{02}^2\mu_{40}\mu_{51}\mu_{15} \\
& +\mu_{02}^2\mu_{40}\mu_{42}\mu_{24} - 4\mu_{02}^2\mu_{31}\mu_{60}\mu_{15} + 8\mu_{02}^2\mu_{31}\mu_{51}\mu_{24} - 4\mu_{02}^2\mu_{31}\mu_{42}\mu_{33} \\
& +6\mu_{02}^2\mu_{22}\mu_{60}\mu_{24} - 12\mu_{02}^2\mu_{22}\mu_{51}\mu_{33} + 6\mu_{02}^2\mu_{22}\mu_{42}^2 - 4\mu_{02}^2\mu_{13}\mu_{60}\mu_{33} \\
& +4\mu_{02}^2\mu_{13}\mu_{51}\mu_{42} + 2\mu_{02}^2\mu_{04}\mu_{60}\mu_{42} - 2\mu_{02}^2\mu_{04}\mu_{51}^2)/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 2,0,1,0,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5 |



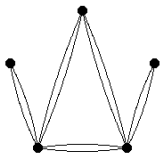
$$
\begin{aligned}
I_{145} \;=\; & (\mu_{20}^2\mu_{40}\mu_{24}\mu_{06} - \mu_{20}^2\mu_{40}\mu_{15}^2 - 2\mu_{20}^2\mu_{31}\mu_{33}\mu_{06} + 2\mu_{20}^2\mu_{31}\mu_{24}\mu_{15} \\
& +\mu_{20}^2\mu_{22}\mu_{42}\mu_{06} + 2\mu_{20}^2\mu_{22}\mu_{33}\mu_{15} - 3\mu_{20}^2\mu_{22}\mu_{24}^2 - 2\mu_{20}^2\mu_{13}\mu_{42}\mu_{15} \\
& +2\mu_{20}^2\mu_{13}\mu_{33}\mu_{24} + \mu_{20}^2\mu_{04}\mu_{42}\mu_{24} - \mu_{20}^2\mu_{04}\mu_{33}^2 - 2\mu_{20}\mu_{11}\mu_{40}\mu_{33}\mu_{06} \\
& +2\mu_{20}\mu_{11}\mu_{40}\mu_{24}\mu_{15} + 4\mu_{20}\mu_{11}\mu_{31}\mu_{42}\mu_{06} - 4\mu_{20}\mu_{11}\mu_{31}\mu_{24}^2 \\
& -2\mu_{20}\mu_{11}\mu_{22}\mu_{51}\mu_{06} - 6\mu_{20}\mu_{11}\mu_{22}\mu_{42}\mu_{15} + 8\mu_{20}\mu_{11}\mu_{22}\mu_{33}\mu_{24} \\
& +4\mu_{20}\mu_{11}\mu_{13}\mu_{51}\mu_{15} - 4\mu_{20}\mu_{11}\mu_{13}\mu_{33}^2 - 2\mu_{20}\mu_{11}\mu_{04}\mu_{51}\mu_{24} \\
& +2\mu_{20}\mu_{11}\mu_{04}\mu_{42}\mu_{33} + \mu_{20}\mu_{02}\mu_{40}\mu_{42}\mu_{06} - 2\mu_{20}\mu_{02}\mu_{40}\mu_{33}\mu_{15} \\
& +\mu_{20}\mu_{02}\mu_{40}\mu_{24}^2 - 2\mu_{20}\mu_{02}\mu_{31}\mu_{51}\mu_{06} + 2\mu_{20}\mu_{02}\mu_{31}\mu_{42}\mu_{15} \\
& +\mu_{20}\mu_{02}\mu_{22}\mu_{60}\mu_{06} + 2\mu_{20}\mu_{02}\mu_{22}\mu_{51}\mu_{15} - 5\mu_{20}\mu_{02}\mu_{22}\mu_{42}\mu_{24} \\
& +2\mu_{20}\mu_{02}\mu_{22}\mu_{33}^2 - 2\mu_{20}\mu_{02}\mu_{13}\mu_{60}\mu_{15} + 2\mu_{20}\mu_{02}\mu_{13}\mu_{51}\mu_{24} \\
& +\mu_{20}\mu_{02}\mu_{04}\mu_{60}\mu_{24} - 2\mu_{20}\mu_{02}\mu_{04}\mu_{51}\mu_{33} + \mu_{20}\mu_{02}\mu_{04}\mu_{42}^2 \\
& +4\mu_{11}^2\mu_{40}\mu_{33}\mu_{15} - 4\mu_{11}^2\mu_{40}\mu_{24}^2 - 8\mu_{11}^2\mu_{31}\mu_{42}\mu_{15} + 8\mu_{11}^2\mu_{31}\mu_{33}\mu_{24} \\
& +4\mu_{11}^2\mu_{22}\mu_{51}\mu_{15} + 8\mu_{11}^2\mu_{22}\mu_{42}\mu_{24} - 12\mu_{11}^2\mu_{22}\mu_{33}^2 - 8\mu_{11}^2\mu_{13}\mu_{51}\mu_{24} \\
& +8\mu_{11}^2\mu_{13}\mu_{42}\mu_{33} + 4\mu_{11}^2\mu_{04}\mu_{51}\mu_{33} - 4\mu_{11}^2\mu_{04}\mu_{42}^2 - 2\mu_{11}\mu_{02}\mu_{40}\mu_{42}\mu_{15} \\
& +2\mu_{11}\mu_{02}\mu_{40}\mu_{33}\mu_{24} + 4\mu_{11}\mu_{02}\mu_{31}\mu_{51}\mu_{15} - 4\mu_{11}\mu_{02}\mu_{31}\mu_{33}^2 \\
& -2\mu_{11}\mu_{02}\mu_{22}\mu_{60}\mu_{15} - 6\mu_{11}\mu_{02}\mu_{22}\mu_{51}\mu_{24} + 8\mu_{11}\mu_{02}\mu_{22}\mu_{42}\mu_{33} \\
& +4\mu_{11}\mu_{02}\mu_{13}\mu_{60}\mu_{24} - 4\mu_{11}\mu_{02}\mu_{13}\mu_{42}^2 - 2\mu_{11}\mu_{02}\mu_{04}\mu_{60}\mu_{33} \\
& +2\mu_{11}\mu_{02}\mu_{04}\mu_{51}\mu_{42} + \mu_{02}^2\mu_{40}\mu_{42}\mu_{24} - \mu_{02}^2\mu_{40}\mu_{33}^2 - 2\mu_{02}^2\mu_{31}\mu_{51}\mu_{24} \\
& +2\mu_{02}^2\mu_{31}\mu_{42}\mu_{33} + \mu_{02}^2\mu_{22}\mu_{60}\mu_{24} + 2\mu_{02}^2\mu_{22}\mu_{51}\mu_{33} - 3\mu_{02}^2\mu_{22}\mu_{42}^2 \\
& -2\mu_{02}^2\mu_{13}\mu_{60}\mu_{33} + 2\mu_{02}^2\mu_{13}\mu_{51}\mu_{42} + \mu_{02}^2\mu_{04}\mu_{60}\mu_{42} - \mu_{02}^2\mu_{04}\mu_{51}^2)/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 2,0,1,0,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 2 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 |



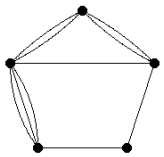
$$
\begin{aligned}
I_{146} \;=\; & (\mu_{20}\mu_{40}\mu_{31}\mu_{13}\mu_{06} - \mu_{20}\mu_{40}\mu_{31}\mu_{04}\mu_{15} - 3\mu_{20}\mu_{40}\mu_{22}\mu_{13}\mu_{15} \\
& +3\mu_{20}\mu_{40}\mu_{22}\mu_{04}\mu_{24} + 3\mu_{20}\mu_{40}\mu_{13}^2\mu_{24} - 4\mu_{20}\mu_{40}\mu_{13}\mu_{04}\mu_{33} \\
& +\mu_{20}\mu_{40}\mu_{04}^2\mu_{42} - \mu_{20}\mu_{31}^2\mu_{22}\mu_{06} - 2\mu_{20}\mu_{31}^2\mu_{13}\mu_{15} + 3\mu_{20}\mu_{31}^2\mu_{04}\mu_{24} \\
& +6\mu_{20}\mu_{31}\mu_{22}^2\mu_{15} - 10\mu_{20}\mu_{31}\mu_{22}\mu_{04}\mu_{33} - 4\mu_{20}\mu_{31}\mu_{13}^2\mu_{33} \\
& +11\mu_{20}\mu_{31}\mu_{13}\mu_{04}\mu_{42} - 3\mu_{20}\mu_{31}\mu_{04}^2\mu_{51} - 9\mu_{20}\mu_{22}^3\mu_{24} + 18\mu_{20}\mu_{22}^2\mu_{13}\mu_{33} \\
& +3\mu_{20}\mu_{22}^2\mu_{04}\mu_{42} - 15\mu_{20}\mu_{22}\mu_{13}^2\mu_{42} - 3\mu_{20}\mu_{22}\mu_{13}\mu_{04}\mu_{51} \\
& +2\mu_{20}\mu_{22}\mu_{04}^2\mu_{60} + 6\mu_{20}\mu_{13}^3\mu_{51} - 2\mu_{20}\mu_{13}^2\mu_{04}\mu_{60} - \mu_{11}\mu_{40}^2\mu_{13}\mu_{06} \\
& +\mu_{11}\mu_{40}^2\mu_{04}\mu_{15} - \mu_{11}\mu_{40}\mu_{31}\mu_{22}\mu_{06} + 8\mu_{11}\mu_{40}\mu_{31}\mu_{13}\mu_{15} \\
& -7\mu_{11}\mu_{40}\mu_{31}\mu_{04}\mu_{24} + 3\mu_{11}\mu_{40}\mu_{22}^2\mu_{15} - 15\mu_{11}\mu_{40}\mu_{22}\mu_{13}\mu_{24} \\
& +10\mu_{11}\mu_{40}\mu_{22}\mu_{04}\mu_{33} + 8\mu_{11}\mu_{40}\mu_{13}^2\mu_{33} - 7\mu_{11}\mu_{40}\mu_{13}\mu_{04}\mu_{42} \\
& +\mu_{11}\mu_{40}\mu_{04}^2\mu_{51} + 2\mu_{11}\mu_{31}^3\mu_{06} - 12\mu_{11}\mu_{31}^2\mu_{22}\mu_{15} - 2\mu_{11}\mu_{31}^2\mu_{13}\mu_{24} \\
& +8\mu_{11}\mu_{31}^2\mu_{04}\mu_{33} + 24\mu_{11}\mu_{31}\mu_{22}^2\mu_{24} - 8\mu_{11}\mu_{31}\mu_{22}\mu_{13}\mu_{33} \\
& -15\mu_{11}\mu_{31}\mu_{22}\mu_{04}\mu_{42} - 2\mu_{11}\mu_{31}\mu_{13}^2\mu_{42} + 8\mu_{11}\mu_{31}\mu_{13}\mu_{04}\mu_{51} \\
& -\mu_{11}\mu_{31}\mu_{04}^2\mu_{60} - 18\mu_{11}\mu_{22}^3\mu_{33} + 24\mu_{11}\mu_{22}^2\mu_{13}\mu_{42} + 3\mu_{11}\mu_{22}^2\mu_{04}\mu_{51} \\
& -12\mu_{11}\mu_{22}\mu_{13}^2\mu_{51} - \mu_{11}\mu_{22}\mu_{13}\mu_{04}\mu_{60} + 2\mu_{11}\mu_{13}^3\mu_{60} + 2\mu_{02}\mu_{40}^2\mu_{22}\mu_{06} \\
& -3\mu_{02}\mu_{40}^2\mu_{13}\mu_{15} + \mu_{02}\mu_{40}^2\mu_{04}\mu_{24} - 2\mu_{02}\mu_{40}\mu_{31}^2\mu_{06} \\
& -3\mu_{02}\mu_{40}\mu_{31}\mu_{22}\mu_{15} + 11\mu_{02}\mu_{40}\mu_{31}\mu_{13}\mu_{24} - 4\mu_{02}\mu_{40}\mu_{31}\mu_{04}\mu_{33} \\
& +3\mu_{02}\mu_{40}\mu_{22}^2\mu_{24} - 10\mu_{02}\mu_{40}\mu_{22}\mu_{13}\mu_{33} + 3\mu_{02}\mu_{40}\mu_{22}\mu_{04}\mu_{42} \\
& +3\mu_{02}\mu_{40}\mu_{13}^2\mu_{42} - \mu_{02}\mu_{40}\mu_{13}\mu_{04}\mu_{51} + 6\mu_{02}\mu_{31}^3\mu_{15} - 15\mu_{02}\mu_{31}^2\mu_{22}\mu_{24} \\
& -4\mu_{02}\mu_{31}^2\mu_{13}\mu_{33} + 3\mu_{02}\mu_{31}^2\mu_{04}\mu_{42} + 18\mu_{02}\mu_{31}\mu_{22}^2\mu_{33} \\
& -3\mu_{02}\mu_{31}\mu_{22}\mu_{04}\mu_{51} - 2\mu_{02}\mu_{31}\mu_{13}^2\mu_{51} + \mu_{02}\mu_{31}\mu_{13}\mu_{04}\mu_{60} \\
& -9\mu_{02}\mu_{22}^3\mu_{42} + 6\mu_{02}\mu_{22}^2\mu_{13}\mu_{51} - \mu_{02}\mu_{22}\mu_{13}^2\mu_{60})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,0,3,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 |



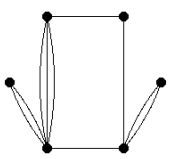
$$
\begin{aligned}
I_{147} \;=\; & (\mu_{20}^3\mu_{31}\mu_{13}\mu_{06} - \mu_{20}^3\mu_{31}\mu_{04}\mu_{15} - 3\mu_{20}^3\mu_{22}\mu_{13}\mu_{15} + 3\mu_{20}^3\mu_{22}\mu_{04}\mu_{24} \\
& +3\mu_{20}^3\mu_{13}^2\mu_{24} - 4\mu_{20}^3\mu_{13}\mu_{04}\mu_{33} + \mu_{20}^3\mu_{04}^2\mu_{42} - \mu_{20}^2\mu_{11}\mu_{40}\mu_{13}\mu_{06} \\
& +\mu_{20}^2\mu_{11}\mu_{40}\mu_{04}\mu_{15} - 3\mu_{20}^2\mu_{11}\mu_{31}\mu_{22}\mu_{06} + 4\mu_{20}^2\mu_{11}\mu_{31}\mu_{13}\mu_{15} \\
& -\mu_{20}^2\mu_{11}\mu_{31}\mu_{04}\mu_{24} + 9\mu_{20}^2\mu_{11}\mu_{22}^2\mu_{15} - 15\mu_{20}^2\mu_{11}\mu_{22}\mu_{13}\mu_{24} \\
& +4\mu_{20}^2\mu_{11}\mu_{13}^2\mu_{33} + 4\mu_{20}^2\mu_{11}\mu_{13}\mu_{04}\mu_{42} - 2\mu_{20}^2\mu_{11}\mu_{04}^2\mu_{51} \\
& +\mu_{20}^2\mu_{02}\mu_{40}\mu_{22}\mu_{06} - \mu_{20}^2\mu_{02}\mu_{40}\mu_{13}\mu_{15} + \mu_{20}^2\mu_{02}\mu_{31}^2\mu_{06} \\
& -7\mu_{20}^2\mu_{02}\mu_{31}\mu_{22}\mu_{15} + 7\mu_{20}^2\mu_{02}\mu_{31}\mu_{13}\mu_{24} - 2\mu_{20}^2\mu_{02}\mu_{31}\mu_{04}\mu_{33} \\
& +6\mu_{20}^2\mu_{02}\mu_{22}^2\mu_{24} - 10\mu_{20}^2\mu_{02}\mu_{22}\mu_{13}\mu_{33} + 4\mu_{20}^2\mu_{02}\mu_{22}\mu_{04}\mu_{42} \\
& +4\mu_{20}^2\mu_{02}\mu_{13}^2\mu_{42} - 4\mu_{20}^2\mu_{02}\mu_{13}\mu_{04}\mu_{51} + \mu_{20}^2\mu_{02}\mu_{04}^2\mu_{60} \\
& +2\mu_{20}\mu_{11}^2\mu_{40}\mu_{22}\mu_{06} - 2\mu_{20}\mu_{11}^2\mu_{40}\mu_{04}\mu_{24} + 2\mu_{20}\mu_{11}^2\mu_{31}^2\mu_{06} \\
& -8\mu_{20}\mu_{11}^2\mu_{31}\mu_{22}\mu_{15} + 4\mu_{20}\mu_{11}^2\mu_{31}\mu_{04}\mu_{33} - 6\mu_{20}\mu_{11}^2\mu_{22}^2\mu_{24} \\
& +28\mu_{20}\mu_{11}^2\mu_{22}\mu_{13}\mu_{33} - 10\mu_{20}\mu_{11}^2\mu_{22}\mu_{04}\mu_{42} - 18\mu_{20}\mu_{11}^2\mu_{13}^2\mu_{42} \\
& +8\mu_{20}\mu_{11}^2\mu_{13}\mu_{04}\mu_{51} - 4\mu_{20}\mu_{11}\mu_{02}\mu_{40}\mu_{31}\mu_{06} \\
& +4\mu_{20}\mu_{11}\mu_{02}\mu_{40}\mu_{22}\mu_{15} - 2\mu_{20}\mu_{11}\mu_{02}\mu_{40}\mu_{13}\mu_{24} \\
& +2\mu_{20}\mu_{11}\mu_{02}\mu_{40}\mu_{04}\mu_{33} + 8\mu_{20}\mu_{11}\mu_{02}\mu_{31}^2\mu_{15} \\
& -10\mu_{20}\mu_{11}\mu_{02}\mu_{31}\mu_{22}\mu_{24} - 2\mu_{20}\mu_{11}\mu_{02}\mu_{31}\mu_{04}\mu_{42} \\
& +6\mu_{20}\mu_{11}\mu_{02}\mu_{22}^2\mu_{33} - 10\mu_{20}\mu_{11}\mu_{02}\mu_{22}\mu_{13}\mu_{42} \\
& +4\mu_{20}\mu_{11}\mu_{02}\mu_{22}\mu_{04}\mu_{51} + 8\mu_{20}\mu_{11}\mu_{02}\mu_{13}^2\mu_{51} \\
& -4\mu_{20}\mu_{11}\mu_{02}\mu_{13}\mu_{04}\mu_{60} + \mu_{20}\mu_{02}^2\mu_{40}^2\mu_{06} - 4\mu_{20}\mu_{02}^2\mu_{40}\mu_{31}\mu_{15} \\
& +4\mu_{20}\mu_{02}^2\mu_{40}\mu_{22}\mu_{24} - 2\mu_{20}\mu_{02}^2\mu_{40}\mu_{13}\mu_{33} + 4\mu_{20}\mu_{02}^2\mu_{31}^2\mu_{24} \\
& -10\mu_{20}\mu_{02}^2\mu_{31}\mu_{22}\mu_{33} + 7\mu_{20}\mu_{02}^2\mu_{31}\mu_{13}\mu_{42} - \mu_{20}\mu_{02}^2\mu_{31}\mu_{04}\mu_{51} \\
& +6\mu_{20}\mu_{02}^2\mu_{22}^2\mu_{42} - 7\mu_{20}\mu_{02}^2\mu_{22}\mu_{13}\mu_{51} + \mu_{20}\mu_{02}^2\mu_{22}\mu_{04}\mu_{60} \\
& +\mu_{20}\mu_{02}^2\mu_{13}^2\mu_{60} - 4\mu_{11}^3\mu_{40}\mu_{22}\mu_{15} + 4\mu_{11}^3\mu_{40}\mu_{13}\mu_{24} - 4\mu_{11}^3\mu_{31}^2\mu_{15} \\
& +28\mu_{11}^3\mu_{31}\mu_{22}\mu_{24} - 24\mu_{11}^3\mu_{31}\mu_{13}\mu_{33} + 4\mu_{11}^3\mu_{31}\mu_{04}\mu_{42} - 24\mu_{11}^3\mu_{22}^2\mu_{33} \\
& +28\mu_{11}^3\mu_{22}\mu_{13}\mu_{42} - 4\mu_{11}^3\mu_{22}\mu_{04}\mu_{51} - 4\mu_{11}^3\mu_{13}^2\mu_{51} + 8\mu_{11}^2\mu_{02}\mu_{40}\mu_{31}\mu_{15} \\
& -10\mu_{11}^2\mu_{02}\mu_{40}\mu_{22}\mu_{24} + 4\mu_{11}^2\mu_{02}\mu_{40}\mu_{13}\mu_{33} - 2\mu_{11}^2\mu_{02}\mu_{40}\mu_{04}\mu_{42} \\
& -18\mu_{11}^2\mu_{02}\mu_{31}^2\mu_{24} + 28\mu_{11}^2\mu_{02}\mu_{31}\mu_{22}\mu_{33} - 6\mu_{11}^2\mu_{02}\mu_{22}^2\mu_{42} \\
& -8\mu_{11}^2\mu_{02}\mu_{22}\mu_{13}\mu_{51} + 2\mu_{11}^2\mu_{02}\mu_{22}\mu_{04}\mu_{60} + 2\mu_{11}^2\mu_{02}\mu_{13}^2\mu_{60} \\
& -2\mu_{11}\mu_{02}^2\mu_{40}^2\mu_{15} + 4\mu_{11}\mu_{02}^2\mu_{40}\mu_{31}\mu_{24} - \mu_{11}\mu_{02}^2\mu_{40}\mu_{13}\mu_{42} \\
& +\mu_{11}\mu_{02}^2\mu_{40}\mu_{04}\mu_{51} + 4\mu_{11}\mu_{02}^2\mu_{31}^2\mu_{33} - 15\mu_{11}\mu_{02}^2\mu_{31}\mu_{22}\mu_{42} \\
& +4\mu_{11}\mu_{02}^2\mu_{31}\mu_{13}\mu_{51} - \mu_{11}\mu_{02}^2\mu_{31}\mu_{04}\mu_{60} + 9\mu_{11}\mu_{02}^2\mu_{22}^2\mu_{51} \\
& -3\mu_{11}\mu_{02}^2\mu_{22}\mu_{13}\mu_{60} + \mu_{02}^3\mu_{40}^2\mu_{24} - 4\mu_{02}^3\mu_{40}\mu_{31}\mu_{33} + 3\mu_{02}^3\mu_{40}\mu_{22}\mu_{42} \\
& -\mu_{02}^3\mu_{40}\mu_{13}\mu_{51} + 3\mu_{02}^3\mu_{31}^2\mu_{42} - 3\mu_{02}^3\mu_{31}\mu_{22}\mu_{51} + \mu_{02}^3\mu_{31}\mu_{13}\mu_{60})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 3,0,2,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |



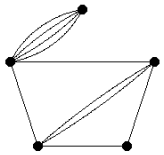
$$
\begin{aligned}
I_{148} \;=\; & (\mu_{20}\mu_{40}\mu_{31}\mu_{13}\mu_{06} - \mu_{20}\mu_{40}\mu_{31}\mu_{04}\mu_{15} - \mu_{20}\mu_{40}\mu_{22}^2\mu_{06} \\
& +\mu_{20}\mu_{40}\mu_{22}\mu_{13}\mu_{15} + \mu_{20}\mu_{40}\mu_{22}\mu_{04}\mu_{24} - \mu_{20}\mu_{40}\mu_{13}^2\mu_{24} \\
& -4\mu_{20}\mu_{31}^2\mu_{13}\mu_{15} + 4\mu_{20}\mu_{31}^2\mu_{04}\mu_{24} + 4\mu_{20}\mu_{31}\mu_{22}^2\mu_{15} \\
& +2\mu_{20}\mu_{31}\mu_{22}\mu_{13}\mu_{24} - 10\mu_{20}\mu_{31}\mu_{22}\mu_{04}\mu_{33} + 5\mu_{20}\mu_{31}\mu_{13}\mu_{04}\mu_{42} \\
& -\mu_{20}\mu_{31}\mu_{04}^2\mu_{51} - 6\mu_{20}\mu_{22}^3\mu_{24} + 10\mu_{20}\mu_{22}^2\mu_{13}\mu_{33} + 5\mu_{20}\mu_{22}^2\mu_{04}\mu_{42} \\
& -10\mu_{20}\mu_{22}\mu_{13}^2\mu_{42} - 3\mu_{20}\mu_{22}\mu_{13}\mu_{04}\mu_{51} + \mu_{20}\mu_{22}\mu_{04}^2\mu_{60} + 4\mu_{20}\mu_{13}^3\mu_{51} \\
& -\mu_{20}\mu_{13}^2\mu_{04}\mu_{60} - \mu_{11}\mu_{40}^2\mu_{13}\mu_{06} + \mu_{11}\mu_{40}^2\mu_{04}\mu_{15} \\
& +\mu_{11}\mu_{40}\mu_{31}\mu_{22}\mu_{06} + 4\mu_{11}\mu_{40}\mu_{31}\mu_{13}\mu_{15} - 5\mu_{11}\mu_{40}\mu_{31}\mu_{04}\mu_{24} \\
& -\mu_{11}\mu_{40}\mu_{22}^2\mu_{15} - 5\mu_{11}\mu_{40}\mu_{22}\mu_{13}\mu_{24} + 6\mu_{11}\mu_{40}\mu_{22}\mu_{04}\mu_{33} \\
& +4\mu_{11}\mu_{40}\mu_{13}^2\mu_{33} - 5\mu_{11}\mu_{40}\mu_{13}\mu_{04}\mu_{42} + \mu_{11}\mu_{40}\mu_{04}^2\mu_{51} \\
& -4\mu_{11}\mu_{31}^2\mu_{22}\mu_{15} + 4\mu_{11}\mu_{31}^2\mu_{04}\mu_{33} + 10\mu_{11}\mu_{31}\mu_{22}^2\mu_{24} \\
& -8\mu_{11}\mu_{31}\mu_{22}\mu_{13}\mu_{33} - 5\mu_{11}\mu_{31}\mu_{22}\mu_{04}\mu_{42} + 4\mu_{11}\mu_{31}\mu_{13}\mu_{04}\mu_{51} \\
& -\mu_{11}\mu_{31}\mu_{04}^2\mu_{60} - 6\mu_{11}\mu_{22}^3\mu_{33} + 10\mu_{11}\mu_{22}^2\mu_{13}\mu_{42} - \mu_{11}\mu_{22}^2\mu_{04}\mu_{51} \\
& -4\mu_{11}\mu_{22}\mu_{13}^2\mu_{51} + \mu_{11}\mu_{22}\mu_{13}\mu_{04}\mu_{60} + \mu_{02}\mu_{40}^2\mu_{22}\mu_{06} \\
& -\mu_{02}\mu_{40}^2\mu_{13}\mu_{15} - \mu_{02}\mu_{40}\mu_{31}^2\mu_{06} - 3\mu_{02}\mu_{40}\mu_{31}\mu_{22}\mu_{15} \\
& +5\mu_{02}\mu_{40}\mu_{31}\mu_{13}\mu_{24} + 5\mu_{02}\mu_{40}\mu_{22}^2\mu_{24} - 10\mu_{02}\mu_{40}\mu_{22}\mu_{13}\mu_{33} \\
& +\mu_{02}\mu_{40}\mu_{22}\mu_{04}\mu_{42} + 4\mu_{02}\mu_{40}\mu_{13}^2\mu_{42} - \mu_{02}\mu_{40}\mu_{13}\mu_{04}\mu_{51} \\
& +4\mu_{02}\mu_{31}^3\mu_{15} - 10\mu_{02}\mu_{31}^2\mu_{22}\mu_{24} - \mu_{02}\mu_{31}^2\mu_{04}\mu_{42} + 10\mu_{02}\mu_{31}\mu_{22}^2\mu_{33} \\
& +2\mu_{02}\mu_{31}\mu_{22}\mu_{13}\mu_{42} + \mu_{02}\mu_{31}\mu_{22}\mu_{04}\mu_{51} - 4\mu_{02}\mu_{31}\mu_{13}^2\mu_{51} \\
& +\mu_{02}\mu_{31}\mu_{13}\mu_{04}\mu_{60} - 6\mu_{02}\mu_{22}^3\mu_{42} + 4\mu_{02}\mu_{22}^2\mu_{13}\mu_{51} - \mu_{02}\mu_{22}^2\mu_{04}\mu_{60})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,0,3,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 4 |
| 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |



**Simultaneous invariants of the orders 3, 4 and 6**

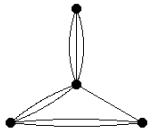
$$
\begin{aligned}
I_{149} \;=\; & (\mu_{30}^2\mu_{22}\mu_{06} - 2\mu_{30}^2\mu_{13}\mu_{15} + \mu_{30}^2\mu_{04}\mu_{24} - 2\mu_{30}\mu_{21}\mu_{31}\mu_{06} \\
& +6\mu_{30}\mu_{21}\mu_{13}\mu_{24} - 4\mu_{30}\mu_{21}\mu_{04}\mu_{33} + \mu_{30}\mu_{12}\mu_{40}\mu_{06} - 4\mu_{30}\mu_{12}\mu_{13}\mu_{33} \\
& +3\mu_{30}\mu_{12}\mu_{04}\mu_{42} - \mu_{30}\mu_{03}\mu_{40}\mu_{15} + 2\mu_{30}\mu_{03}\mu_{31}\mu_{24} - 2\mu_{30}\mu_{03}\mu_{22}\mu_{33} \\
& +2\mu_{30}\mu_{03}\mu_{13}\mu_{42} - \mu_{30}\mu_{03}\mu_{04}\mu_{51} + 6\mu_{21}^2\mu_{31}\mu_{15} - 9\mu_{21}^2\mu_{22}\mu_{24} \\
& +3\mu_{21}^2\mu_{04}\mu_{42} - 3\mu_{21}\mu_{12}\mu_{40}\mu_{15} - 6\mu_{21}\mu_{12}\mu_{31}\mu_{24} + 18\mu_{21}\mu_{12}\mu_{22}\mu_{33} \\
& -6\mu_{21}\mu_{12}\mu_{13}\mu_{42} - 3\mu_{21}\mu_{12}\mu_{04}\mu_{51} + 3\mu_{21}\mu_{03}\mu_{40}\mu_{24} - 4\mu_{21}\mu_{03}\mu_{31}\mu_{33} \\
& +\mu_{21}\mu_{03}\mu_{04}\mu_{60} + 3\mu_{12}^2\mu_{40}\mu_{24} - 9\mu_{12}^2\mu_{22}\mu_{42} + 6\mu_{12}^2\mu_{13}\mu_{51} \\
& -4\mu_{12}\mu_{03}\mu_{40}\mu_{33} + 6\mu_{12}\mu_{03}\mu_{31}\mu_{42} - 2\mu_{12}\mu_{03}\mu_{13}\mu_{60} + \mu_{03}^2\mu_{40}\mu_{42} \\
& -2\mu_{03}^2\mu_{31}\mu_{51} + \mu_{03}^2\mu_{22}\mu_{60})/\mu_{00}^{12}
\end{aligned}
$$

weight=8

structure: 0,2,1,0,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 |



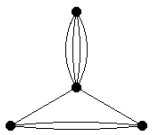
$$
\begin{aligned}
I_{150} \;=\; & (\mu_{30}\mu_{12}\mu_{40}\mu_{06} - 4\mu_{30}\mu_{12}\mu_{31}\mu_{15} + 6\mu_{30}\mu_{12}\mu_{22}\mu_{24} - 4\mu_{30}\mu_{12}\mu_{13}\mu_{33} \\
& + \mu_{30}\mu_{12}\mu_{04}\mu_{42} - \mu_{30}\mu_{03}\mu_{40}\mu_{15} + 4\mu_{30}\mu_{03}\mu_{31}\mu_{24} - 6\mu_{30}\mu_{03}\mu_{22}\mu_{33} \\
& + 4\mu_{30}\mu_{03}\mu_{13}\mu_{42} - \mu_{30}\mu_{03}\mu_{04}\mu_{51} - \mu_{21}^2\mu_{40}\mu_{06} + 4\mu_{21}^2\mu_{31}\mu_{15} \\
& - 6\mu_{21}^2\mu_{22}\mu_{24} + 4\mu_{21}^2\mu_{13}\mu_{33} - \mu_{21}^2\mu_{04}\mu_{42} + \mu_{21}\mu_{12}\mu_{40}\mu_{15} \\
& - 4\mu_{21}\mu_{12}\mu_{31}\mu_{24} + 6\mu_{21}\mu_{12}\mu_{22}\mu_{33} - 4\mu_{21}\mu_{12}\mu_{13}\mu_{42} + \mu_{21}\mu_{12}\mu_{04}\mu_{51} \\
& + \mu_{21}\mu_{03}\mu_{40}\mu_{24} - 4\mu_{21}\mu_{03}\mu_{31}\mu_{33} + 6\mu_{21}\mu_{03}\mu_{22}\mu_{42} - 4\mu_{21}\mu_{03}\mu_{13}\mu_{51} \\
& + \mu_{21}\mu_{03}\mu_{04}\mu_{60} - \mu_{12}^2\mu_{40}\mu_{24} + 4\mu_{12}^2\mu_{31}\mu_{33} - 6\mu_{12}^2\mu_{22}\mu_{42} + 4\mu_{12}^2\mu_{13}\mu_{51} \\
& - \mu_{12}^2\mu_{04}\mu_{60})/\mu_{00}^{12}
\end{aligned}
$$

weight=8

structure: 0,2,1,0,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |



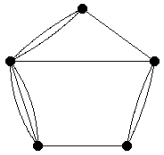
$$
\begin{aligned}
I_{151} \;=\; & (\mu_{30}^2\mu_{31}\mu_{13}\mu_{06} - \mu_{30}^2\mu_{31}\mu_{04}\mu_{15} - 3\mu_{30}^2\mu_{22}\mu_{13}\mu_{15} + 3\mu_{30}^2\mu_{22}\mu_{04}\mu_{24} \\
& +3\mu_{30}^2\mu_{13}^2\mu_{24} - 4\mu_{30}^2\mu_{13}\mu_{04}\mu_{33} + \mu_{30}^2\mu_{04}^2\mu_{42} - \mu_{30}\mu_{21}\mu_{40}\mu_{13}\mu_{06} \\
& +\mu_{30}\mu_{21}\mu_{40}\mu_{04}\mu_{15} - 3\mu_{30}\mu_{21}\mu_{31}\mu_{22}\mu_{06} + 4\mu_{30}\mu_{21}\mu_{31}\mu_{13}\mu_{15} \\
& -\mu_{30}\mu_{21}\mu_{31}\mu_{04}\mu_{24} + 9\mu_{30}\mu_{21}\mu_{22}^2\mu_{15} - 15\mu_{30}\mu_{21}\mu_{22}\mu_{13}\mu_{24} \\
& +4\mu_{30}\mu_{21}\mu_{13}^2\mu_{33} + 4\mu_{30}\mu_{21}\mu_{13}\mu_{04}\mu_{42} - 2\mu_{30}\mu_{21}\mu_{04}^2\mu_{51} \\
& +2\mu_{30}\mu_{12}\mu_{40}\mu_{22}\mu_{06} - 2\mu_{30}\mu_{12}\mu_{40}\mu_{13}\mu_{15} + \mu_{30}\mu_{12}\mu_{31}^2\mu_{06} \\
& -8\mu_{30}\mu_{12}\mu_{31}\mu_{22}\mu_{15} + 8\mu_{30}\mu_{12}\mu_{31}\mu_{13}\mu_{24} - 2\mu_{30}\mu_{12}\mu_{31}\mu_{04}\mu_{33} \\
& +3\mu_{30}\mu_{12}\mu_{22}^2\mu_{24} - 2\mu_{30}\mu_{12}\mu_{22}\mu_{13}\mu_{33} + 2\mu_{30}\mu_{12}\mu_{22}\mu_{04}\mu_{42} \\
& -\mu_{30}\mu_{12}\mu_{13}^2\mu_{42} - 2\mu_{30}\mu_{12}\mu_{13}\mu_{04}\mu_{51} + \mu_{30}\mu_{12}\mu_{04}^2\mu_{60} \\
& -\mu_{30}\mu_{03}\mu_{40}\mu_{31}\mu_{06} + \mu_{30}\mu_{03}\mu_{40}\mu_{22}\mu_{15} + 3\mu_{30}\mu_{03}\mu_{31}^2\mu_{15} \\
& -7\mu_{30}\mu_{03}\mu_{31}\mu_{22}\mu_{24} + 2\mu_{30}\mu_{03}\mu_{31}\mu_{13}\mu_{33} + 6\mu_{30}\mu_{03}\mu_{22}^2\mu_{33} \\
& -7\mu_{30}\mu_{03}\mu_{22}\mu_{13}\mu_{42} + \mu_{30}\mu_{03}\mu_{22}\mu_{04}\mu_{51} + 3\mu_{30}\mu_{03}\mu_{13}^2\mu_{51} \\
& -\mu_{30}\mu_{03}\mu_{13}\mu_{04}\mu_{60} + \mu_{21}^2\mu_{40}\mu_{22}\mu_{06} + \mu_{21}^2\mu_{40}\mu_{13}\mu_{15} \\
& -2\mu_{21}^2\mu_{40}\mu_{04}\mu_{24} + 2\mu_{21}^2\mu_{31}^2\mu_{06} - 7\mu_{21}^2\mu_{31}\mu_{22}\mu_{15} - \mu_{21}^2\mu_{31}\mu_{13}\mu_{24} \\
& +4\mu_{21}^2\mu_{31}\mu_{04}\mu_{33} - 3\mu_{21}^2\mu_{22}^2\mu_{24} + 20\mu_{21}^2\mu_{22}\mu_{13}\mu_{33} - 8\mu_{21}^2\mu_{22}\mu_{04}\mu_{42} \\
& -13\mu_{21}^2\mu_{13}^2\mu_{42} + 6\mu_{21}^2\mu_{13}\mu_{04}\mu_{51} - 3\mu_{21}\mu_{12}\mu_{40}\mu_{31}\mu_{06} \\
& -\mu_{21}\mu_{12}\mu_{40}\mu_{22}\mu_{15} + 2\mu_{21}\mu_{12}\mu_{40}\mu_{13}\mu_{24} + 2\mu_{21}\mu_{12}\mu_{40}\mu_{04}\mu_{33} \\
& +\mu_{21}\mu_{12}\mu_{31}^2\mu_{15} + 25\mu_{21}\mu_{12}\mu_{31}\mu_{22}\mu_{24} - 26\mu_{21}\mu_{12}\mu_{31}\mu_{13}\mu_{33} \\
& +2\mu_{21}\mu_{12}\mu_{31}\mu_{04}\mu_{42} - 24\mu_{21}\mu_{12}\mu_{22}^2\mu_{33} + 25\mu_{21}\mu_{12}\mu_{22}\mu_{13}\mu_{42} \\
& -\mu_{21}\mu_{12}\mu_{22}\mu_{04}\mu_{51} + \mu_{21}\mu_{12}\mu_{13}^2\mu_{51} - 3\mu_{21}\mu_{12}\mu_{13}\mu_{04}\mu_{60} \\
& +\mu_{21}\mu_{03}\mu_{40}^2\mu_{06} - 2\mu_{21}\mu_{03}\mu_{40}\mu_{31}\mu_{15} + 2\mu_{21}\mu_{03}\mu_{40}\mu_{22}\mu_{24} \\
& -2\mu_{21}\mu_{03}\mu_{40}\mu_{13}\mu_{33} - \mu_{21}\mu_{03}\mu_{31}^2\mu_{24} - 2\mu_{21}\mu_{03}\mu_{31}\mu_{22}\mu_{33} \\
& +8\mu_{21}\mu_{03}\mu_{31}\mu_{13}\mu_{42} - 2\mu_{21}\mu_{03}\mu_{31}\mu_{04}\mu_{51} + 3\mu_{21}\mu_{03}\mu_{22}^2\mu_{42} \\
& -8\mu_{21}\mu_{03}\mu_{22}\mu_{13}\mu_{51} + 2\mu_{21}\mu_{03}\mu_{22}\mu_{04}\mu_{60} + \mu_{21}\mu_{03}\mu_{13}^2\mu_{60} \\
& +6\mu_{12}^2\mu_{40}\mu_{31}\mu_{15} - 8\mu_{12}^2\mu_{40}\mu_{22}\mu_{24} + 4\mu_{12}^2\mu_{40}\mu_{13}\mu_{33} - 2\mu_{12}^2\mu_{40}\mu_{04}\mu_{42} \\
& -13\mu_{12}^2\mu_{31}^2\mu_{24} + 20\mu_{12}^2\mu_{31}\mu_{22}\mu_{33} - \mu_{12}^2\mu_{31}\mu_{13}\mu_{42} + \mu_{12}^2\mu_{31}\mu_{04}\mu_{51} \\
& -3\mu_{12}^2\mu_{22}^2\mu_{42} - 7\mu_{12}^2\mu_{22}\mu_{13}\mu_{51} + \mu_{12}^2\mu_{22}\mu_{04}\mu_{60} + 2\mu_{12}^2\mu_{13}^2\mu_{60} \\
& -2\mu_{12}\mu_{03}\mu_{40}^2\mu_{15} + 4\mu_{12}\mu_{03}\mu_{40}\mu_{31}\mu_{24} - \mu_{12}\mu_{03}\mu_{40}\mu_{13}\mu_{42} \\
& +\mu_{12}\mu_{03}\mu_{40}\mu_{04}\mu_{51} + 4\mu_{12}\mu_{03}\mu_{31}^2\mu_{33} - 15\mu_{12}\mu_{03}\mu_{31}\mu_{22}\mu_{42} \\
& +4\mu_{12}\mu_{03}\mu_{31}\mu_{13}\mu_{51} - \mu_{12}\mu_{03}\mu_{31}\mu_{04}\mu_{60} + 9\mu_{12}\mu_{03}\mu_{22}^2\mu_{51} \\
& -3\mu_{12}\mu_{03}\mu_{22}\mu_{13}\mu_{60} + \mu_{03}^2\mu_{40}^2\mu_{24} - 4\mu_{03}^2\mu_{40}\mu_{31}\mu_{33} + 3\mu_{03}^2\mu_{40}\mu_{22}\mu_{42} \\
& -\mu_{03}^2\mu_{40}\mu_{13}\mu_{51} + 3\mu_{03}^2\mu_{31}^2\mu_{42} - 3\mu_{03}^2\mu_{31}\mu_{22}\mu_{51} + \mu_{03}^2\mu_{31}\mu_{13}\mu_{60})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 0,2,2,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |



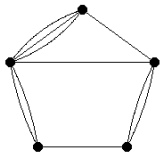
$$
\begin{aligned}
I_{152} \;=\; & (\mu_{30}\mu_{12}\mu_{40}\mu_{22}\mu_{06} - 2\mu_{30}\mu_{12}\mu_{40}\mu_{13}\mu_{15} + \mu_{30}\mu_{12}\mu_{40}\mu_{04}\mu_{24} \\
& -\mu_{30}\mu_{12}\mu_{31}^2\mu_{06} + 2\mu_{30}\mu_{12}\mu_{31}\mu_{22}\mu_{15} + 2\mu_{30}\mu_{12}\mu_{31}\mu_{13}\mu_{24} \\
& -2\mu_{30}\mu_{12}\mu_{31}\mu_{04}\mu_{33} - 3\mu_{30}\mu_{12}\mu_{22}^2\mu_{24} + 2\mu_{30}\mu_{12}\mu_{22}\mu_{13}\mu_{33} \\
& +\mu_{30}\mu_{12}\mu_{22}\mu_{04}\mu_{42} - \mu_{30}\mu_{12}\mu_{13}^2\mu_{42} - \mu_{30}\mu_{03}\mu_{40}\mu_{22}\mu_{15} \\
& +2\mu_{30}\mu_{03}\mu_{40}\mu_{13}\mu_{24} - \mu_{30}\mu_{03}\mu_{40}\mu_{04}\mu_{33} + \mu_{30}\mu_{03}\mu_{31}^2\mu_{15} \\
& -2\mu_{30}\mu_{03}\mu_{31}\mu_{22}\mu_{24} - 2\mu_{30}\mu_{03}\mu_{31}\mu_{13}\mu_{33} + 2\mu_{30}\mu_{03}\mu_{31}\mu_{04}\mu_{42} \\
& +3\mu_{30}\mu_{03}\mu_{22}^2\mu_{33} - 2\mu_{30}\mu_{03}\mu_{22}\mu_{13}\mu_{42} - \mu_{30}\mu_{03}\mu_{22}\mu_{04}\mu_{51} \\
& +\mu_{30}\mu_{03}\mu_{13}^2\mu_{51} - \mu_{21}^2\mu_{40}\mu_{22}\mu_{06} + 2\mu_{21}^2\mu_{40}\mu_{13}\mu_{15} - \mu_{21}^2\mu_{40}\mu_{04}\mu_{24} \\
& +\mu_{21}^2\mu_{31}^2\mu_{06} - 2\mu_{21}^2\mu_{31}\mu_{22}\mu_{15} - 2\mu_{21}^2\mu_{31}\mu_{13}\mu_{24} + 2\mu_{21}^2\mu_{31}\mu_{04}\mu_{33} \\
& +3\mu_{21}^2\mu_{22}^2\mu_{24} - 2\mu_{21}^2\mu_{22}\mu_{13}\mu_{33} - \mu_{21}^2\mu_{22}\mu_{04}\mu_{42} + \mu_{21}^2\mu_{13}^2\mu_{42} \\
& +\mu_{21}\mu_{12}\mu_{40}\mu_{22}\mu_{15} - 2\mu_{21}\mu_{12}\mu_{40}\mu_{13}\mu_{24} + \mu_{21}\mu_{12}\mu_{40}\mu_{04}\mu_{33} \\
& -\mu_{21}\mu_{12}\mu_{31}^2\mu_{15} + 2\mu_{21}\mu_{12}\mu_{31}\mu_{22}\mu_{24} + 2\mu_{21}\mu_{12}\mu_{31}\mu_{13}\mu_{33} \\
& -2\mu_{21}\mu_{12}\mu_{31}\mu_{04}\mu_{42} - 3\mu_{21}\mu_{12}\mu_{22}^2\mu_{33} + 2\mu_{21}\mu_{12}\mu_{22}\mu_{13}\mu_{42} \\
& +\mu_{21}\mu_{12}\mu_{22}\mu_{04}\mu_{51} - \mu_{21}\mu_{12}\mu_{13}^2\mu_{51} + \mu_{21}\mu_{03}\mu_{40}\mu_{22}\mu_{24} \\
& -2\mu_{21}\mu_{03}\mu_{40}\mu_{13}\mu_{33} + \mu_{21}\mu_{03}\mu_{40}\mu_{04}\mu_{42} - \mu_{21}\mu_{03}\mu_{31}^2\mu_{24} \\
& +2\mu_{21}\mu_{03}\mu_{31}\mu_{22}\mu_{33} + 2\mu_{21}\mu_{03}\mu_{31}\mu_{13}\mu_{42} - 2\mu_{21}\mu_{03}\mu_{31}\mu_{04}\mu_{51} \\
& -3\mu_{21}\mu_{03}\mu_{22}^2\mu_{42} + 2\mu_{21}\mu_{03}\mu_{22}\mu_{13}\mu_{51} + \mu_{21}\mu_{03}\mu_{22}\mu_{04}\mu_{60} \\
& -\mu_{21}\mu_{03}\mu_{13}^2\mu_{60} - \mu_{12}^2\mu_{40}\mu_{22}\mu_{24} + 2\mu_{12}^2\mu_{40}\mu_{13}\mu_{33} - \mu_{12}^2\mu_{40}\mu_{04}\mu_{42} \\
& +\mu_{12}^2\mu_{31}^2\mu_{24} - 2\mu_{12}^2\mu_{31}\mu_{22}\mu_{33} - 2\mu_{12}^2\mu_{31}\mu_{13}\mu_{42} + 2\mu_{12}^2\mu_{31}\mu_{04}\mu_{51} \\
& +3\mu_{12}^2\mu_{22}^2\mu_{42} - 2\mu_{12}^2\mu_{22}\mu_{13}\mu_{51} - \mu_{12}^2\mu_{22}\mu_{04}\mu_{60} + \mu_{12}^2\mu_{13}^2\mu_{60})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 0,2,2,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |



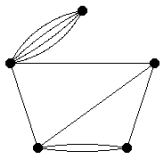
$$
\begin{aligned}
I_{153} \;=\; & (\mu_{30}\mu_{12}\mu_{40}\mu_{22}\mu_{06} - 2\mu_{30}\mu_{12}\mu_{40}\mu_{13}\mu_{15} + \mu_{30}\mu_{12}\mu_{40}\mu_{04}\mu_{24} \\
& -4\mu_{30}\mu_{12}\mu_{31}\mu_{22}\mu_{15} + 8\mu_{30}\mu_{12}\mu_{31}\mu_{13}\mu_{24} - 4\mu_{30}\mu_{12}\mu_{31}\mu_{04}\mu_{33} \\
& +6\mu_{30}\mu_{12}\mu_{22}^2\mu_{24} - 16\mu_{30}\mu_{12}\mu_{22}\mu_{13}\mu_{33} + 7\mu_{30}\mu_{12}\mu_{22}\mu_{04}\mu_{42} \\
& +8\mu_{30}\mu_{12}\mu_{13}^2\mu_{42} - 6\mu_{30}\mu_{12}\mu_{13}\mu_{04}\mu_{51} + \mu_{30}\mu_{12}\mu_{04}^2\mu_{60} \\
& -\mu_{30}\mu_{03}\mu_{40}\mu_{31}\mu_{06} + 2\mu_{30}\mu_{03}\mu_{40}\mu_{22}\mu_{15} - \mu_{30}\mu_{03}\mu_{40}\mu_{13}\mu_{24} \\
& +4\mu_{30}\mu_{03}\mu_{31}^2\mu_{15} - 14\mu_{30}\mu_{03}\mu_{31}\mu_{22}\mu_{24} + 8\mu_{30}\mu_{03}\mu_{31}\mu_{13}\mu_{33} \\
& -\mu_{30}\mu_{03}\mu_{31}\mu_{04}\mu_{42} + 12\mu_{30}\mu_{03}\mu_{22}^2\mu_{33} - 14\mu_{30}\mu_{03}\mu_{22}\mu_{13}\mu_{42} \\
& +2\mu_{30}\mu_{03}\mu_{22}\mu_{04}\mu_{51} + 4\mu_{30}\mu_{03}\mu_{13}^2\mu_{51} - \mu_{30}\mu_{03}\mu_{13}\mu_{04}\mu_{60} \\
& -\mu_{21}^2\mu_{40}\mu_{22}\mu_{06} + 2\mu_{21}^2\mu_{40}\mu_{13}\mu_{15} - \mu_{21}^2\mu_{40}\mu_{04}\mu_{24} + 4\mu_{21}^2\mu_{31}\mu_{22}\mu_{15} \\
& -8\mu_{21}^2\mu_{31}\mu_{13}\mu_{24} + 4\mu_{21}^2\mu_{31}\mu_{04}\mu_{33} - 6\mu_{21}^2\mu_{22}^2\mu_{24} + 16\mu_{21}^2\mu_{22}\mu_{13}\mu_{33} \\
& -7\mu_{21}^2\mu_{22}\mu_{04}\mu_{42} - 8\mu_{21}^2\mu_{13}^2\mu_{42} + 6\mu_{21}^2\mu_{13}\mu_{04}\mu_{51} - \mu_{21}^2\mu_{04}^2\mu_{60} \\
& +\mu_{21}\mu_{12}\mu_{40}\mu_{31}\mu_{06} - 2\mu_{21}\mu_{12}\mu_{40}\mu_{22}\mu_{15} + \mu_{21}\mu_{12}\mu_{40}\mu_{13}\mu_{24} \\
& -4\mu_{21}\mu_{12}\mu_{31}^2\mu_{15} + 14\mu_{21}\mu_{12}\mu_{31}\mu_{22}\mu_{24} - 8\mu_{21}\mu_{12}\mu_{31}\mu_{13}\mu_{33} \\
& +\mu_{21}\mu_{12}\mu_{31}\mu_{04}\mu_{42} - 12\mu_{21}\mu_{12}\mu_{22}^2\mu_{33} + 14\mu_{21}\mu_{12}\mu_{22}\mu_{13}\mu_{42} \\
& -2\mu_{21}\mu_{12}\mu_{22}\mu_{04}\mu_{51} - 4\mu_{21}\mu_{12}\mu_{13}^2\mu_{51} + \mu_{21}\mu_{12}\mu_{13}\mu_{04}\mu_{60} \\
& +\mu_{21}\mu_{03}\mu_{40}^2\mu_{06} - 6\mu_{21}\mu_{03}\mu_{40}\mu_{31}\mu_{15} + 7\mu_{21}\mu_{03}\mu_{40}\mu_{22}\mu_{24} \\
& -4\mu_{21}\mu_{03}\mu_{40}\mu_{13}\mu_{33} + \mu_{21}\mu_{03}\mu_{40}\mu_{04}\mu_{42} + 8\mu_{21}\mu_{03}\mu_{31}^2\mu_{24} \\
& -16\mu_{21}\mu_{03}\mu_{31}\mu_{22}\mu_{33} + 8\mu_{21}\mu_{03}\mu_{31}\mu_{13}\mu_{42} - 2\mu_{21}\mu_{03}\mu_{31}\mu_{04}\mu_{51} \\
& +6\mu_{21}\mu_{03}\mu_{22}^2\mu_{42} - 4\mu_{21}\mu_{03}\mu_{22}\mu_{13}\mu_{51} + \mu_{21}\mu_{03}\mu_{22}\mu_{04}\mu_{60} \\
& -\mu_{12}^2\mu_{40}^2\mu_{06} + 6\mu_{12}^2\mu_{40}\mu_{31}\mu_{15} - 7\mu_{12}^2\mu_{40}\mu_{22}\mu_{24} + 4\mu_{12}^2\mu_{40}\mu_{13}\mu_{33} \\
& -\mu_{12}^2\mu_{40}\mu_{04}\mu_{42} - 8\mu_{12}^2\mu_{31}^2\mu_{24} + 16\mu_{12}^2\mu_{31}\mu_{22}\mu_{33} - 8\mu_{12}^2\mu_{31}\mu_{13}\mu_{42} \\
& +2\mu_{12}^2\mu_{31}\mu_{04}\mu_{51} - 6\mu_{12}^2\mu_{22}^2\mu_{42} + 4\mu_{12}^2\mu_{22}\mu_{13}\mu_{51} - \mu_{12}^2\mu_{22}\mu_{04}\mu_{60})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 0,2,2,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 4 |
| 2 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



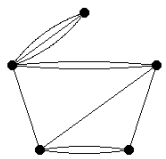
$$
\begin{aligned}
I_{154} \;=\; & (\mu_{30}^2\mu_{31}\mu_{13}\mu_{06} - \mu_{30}^2\mu_{31}\mu_{04}\mu_{15} - \mu_{30}^2\mu_{22}^2\mu_{06} + \mu_{30}^2\mu_{22}\mu_{13}\mu_{15} \\
& +\mu_{30}^2\mu_{22}\mu_{04}\mu_{24} - \mu_{30}^2\mu_{13}^2\mu_{24} - \mu_{30}\mu_{21}\mu_{40}\mu_{13}\mu_{06} \\
& +\mu_{30}\mu_{21}\mu_{40}\mu_{04}\mu_{15} + \mu_{30}\mu_{21}\mu_{31}\mu_{22}\mu_{06} - 4\mu_{30}\mu_{21}\mu_{31}\mu_{13}\mu_{15} \\
& +3\mu_{30}\mu_{21}\mu_{31}\mu_{04}\mu_{24} + 3\mu_{30}\mu_{21}\mu_{22}^2\mu_{15} - 3\mu_{30}\mu_{21}\mu_{22}\mu_{13}\mu_{24} \\
& -4\mu_{30}\mu_{21}\mu_{22}\mu_{04}\mu_{33} + 4\mu_{30}\mu_{21}\mu_{13}^2\mu_{33} + \mu_{30}\mu_{12}\mu_{40}\mu_{22}\mu_{06} \\
& -\mu_{30}\mu_{12}\mu_{40}\mu_{04}\mu_{24} - \mu_{30}\mu_{12}\mu_{31}^2\mu_{06} + 4\mu_{30}\mu_{12}\mu_{31}\mu_{13}\mu_{24} \\
& -2\mu_{30}\mu_{12}\mu_{31}\mu_{04}\mu_{33} - 3\mu_{30}\mu_{12}\mu_{22}^2\mu_{24} + 2\mu_{30}\mu_{12}\mu_{22}\mu_{13}\mu_{33} \\
& +3\mu_{30}\mu_{12}\mu_{22}\mu_{04}\mu_{42} - 3\mu_{30}\mu_{12}\mu_{13}^2\mu_{42} - \mu_{30}\mu_{03}\mu_{40}\mu_{22}\mu_{15} \\
& +\mu_{30}\mu_{03}\mu_{40}\mu_{13}\mu_{24} + \mu_{30}\mu_{03}\mu_{31}^2\mu_{15} - \mu_{30}\mu_{03}\mu_{31}\mu_{22}\mu_{24} \\
& -2\mu_{30}\mu_{03}\mu_{31}\mu_{13}\mu_{33} + \mu_{30}\mu_{03}\mu_{31}\mu_{04}\mu_{42} + 2\mu_{30}\mu_{03}\mu_{22}^2\mu_{33} \\
& -\mu_{30}\mu_{03}\mu_{22}\mu_{13}\mu_{42} - \mu_{30}\mu_{03}\mu_{22}\mu_{04}\mu_{51} + \mu_{30}\mu_{03}\mu_{13}^2\mu_{51} \\
& +3\mu_{21}^2\mu_{40}\mu_{13}\mu_{15} - 3\mu_{21}^2\mu_{40}\mu_{04}\mu_{24} - 3\mu_{21}^2\mu_{31}\mu_{22}\mu_{15} + 3\mu_{21}^2\mu_{31}\mu_{13}\mu_{24} \\
& +3\mu_{21}^2\mu_{22}\mu_{04}\mu_{42} - 3\mu_{21}^2\mu_{13}^2\mu_{42} - 3\mu_{21}\mu_{12}\mu_{40}\mu_{22}\mu_{15} \\
& -3\mu_{21}\mu_{12}\mu_{40}\mu_{13}\mu_{24} + 6\mu_{21}\mu_{12}\mu_{40}\mu_{04}\mu_{33} + 3\mu_{21}\mu_{12}\mu_{31}^2\mu_{15} \\
& +3\mu_{21}\mu_{12}\mu_{31}\mu_{22}\mu_{24} - 6\mu_{21}\mu_{12}\mu_{31}\mu_{13}\mu_{33} - 3\mu_{21}\mu_{12}\mu_{31}\mu_{04}\mu_{42} \\
& +3\mu_{21}\mu_{12}\mu_{22}\mu_{13}\mu_{42} - 3\mu_{21}\mu_{12}\mu_{22}\mu_{04}\mu_{51} + 3\mu_{21}\mu_{12}\mu_{13}^2\mu_{51} \\
& +3\mu_{21}\mu_{03}\mu_{40}\mu_{22}\mu_{24} - 2\mu_{21}\mu_{03}\mu_{40}\mu_{13}\mu_{33} - \mu_{21}\mu_{03}\mu_{40}\mu_{04}\mu_{42} \\
& -3\mu_{21}\mu_{03}\mu_{31}^2\mu_{24} + 2\mu_{21}\mu_{03}\mu_{31}\mu_{22}\mu_{33} + 4\mu_{21}\mu_{03}\mu_{31}\mu_{13}\mu_{42} \\
& -3\mu_{21}\mu_{03}\mu_{22}^2\mu_{42} + \mu_{21}\mu_{03}\mu_{22}\mu_{04}\mu_{60} - \mu_{21}\mu_{03}\mu_{13}^2\mu_{60} \\
& +3\mu_{12}^2\mu_{40}\mu_{22}\mu_{24} - 3\mu_{12}^2\mu_{40}\mu_{04}\mu_{42} - 3\mu_{12}^2\mu_{31}^2\mu_{24} + 3\mu_{12}^2\mu_{31}\mu_{13}\mu_{42} \\
& +3\mu_{12}^2\mu_{31}\mu_{04}\mu_{51} - 3\mu_{12}^2\mu_{22}\mu_{13}\mu_{51} - 4\mu_{12}\mu_{03}\mu_{40}\mu_{22}\mu_{33} \\
& +3\mu_{12}\mu_{03}\mu_{40}\mu_{13}\mu_{42} + \mu_{12}\mu_{03}\mu_{40}\mu_{04}\mu_{51} + 4\mu_{12}\mu_{03}\mu_{31}^2\mu_{33} \\
& -3\mu_{12}\mu_{03}\mu_{31}\mu_{22}\mu_{42} - 4\mu_{12}\mu_{03}\mu_{31}\mu_{13}\mu_{51} - \mu_{12}\mu_{03}\mu_{31}\mu_{04}\mu_{60} \\
& +3\mu_{12}\mu_{03}\mu_{22}^2\mu_{51} + \mu_{12}\mu_{03}\mu_{22}\mu_{13}\mu_{60} + \mu_{03}^2\mu_{40}\mu_{22}\mu_{42} \\
& -\mu_{03}^2\mu_{40}\mu_{13}\mu_{51} - \mu_{03}^2\mu_{31}^2\mu_{42} + \mu_{03}^2\mu_{31}\mu_{22}\mu_{51} + \mu_{03}^2\mu_{31}\mu_{13}\mu_{60} \\
& -\mu_{03}^2\mu_{22}^2\mu_{60})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 0,2,2,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 4 |
| 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |



**Simultaneous invariants of the orders 2, 5 and 6**

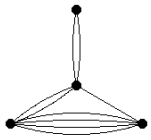
$$\begin{aligned}
I_{155} \;=\; & (-\mu_{20}\mu_{50}\mu_{23}\mu_{06} + 2\mu_{20}\mu_{50}\mu_{14}\mu_{15} - \mu_{20}\mu_{50}\mu_{05}\mu_{24} + \mu_{20}\mu_{41}\mu_{32}\mu_{06} \\
& +2\mu_{20}\mu_{41}\mu_{23}\mu_{15} - 7\mu_{20}\mu_{41}\mu_{14}\mu_{24} + 4\mu_{20}\mu_{41}\mu_{05}\mu_{33} - 4\mu_{20}\mu_{32}^2\mu_{15} \\
& +8\mu_{20}\mu_{32}\mu_{23}\mu_{24} + 4\mu_{20}\mu_{32}\mu_{14}\mu_{33} - 5\mu_{20}\mu_{32}\mu_{05}\mu_{42} - 8\mu_{20}\mu_{23}^2\mu_{33} \\
& +5\mu_{20}\mu_{23}\mu_{14}\mu_{42} + 2\mu_{20}\mu_{23}\mu_{05}\mu_{51} - 2\mu_{20}\mu_{14}^2\mu_{51} + 2\mu_{11}\mu_{50}\mu_{32}\mu_{06} \\
& -4\mu_{11}\mu_{50}\mu_{23}\mu_{15} + 2\mu_{11}\mu_{50}\mu_{14}\mu_{24} - 2\mu_{11}\mu_{41}^2\mu_{06} + 4\mu_{11}\mu_{41}\mu_{32}\mu_{15} \\
& +2\mu_{11}\mu_{41}\mu_{23}\mu_{24} - 2\mu_{11}\mu_{41}\mu_{05}\mu_{42} - 4\mu_{11}\mu_{32}^2\mu_{24} - 2\mu_{11}\mu_{32}\mu_{14}\mu_{42} \\
& +4\mu_{11}\mu_{32}\mu_{05}\mu_{51} + 4\mu_{11}\mu_{23}^2\mu_{42} - 4\mu_{11}\mu_{23}\mu_{14}\mu_{51} - 2\mu_{11}\mu_{23}\mu_{05}\mu_{60} \\
& +2\mu_{11}\mu_{14}^2\mu_{60} - 2\mu_{02}\mu_{50}\mu_{32}\mu_{15} + 5\mu_{02}\mu_{50}\mu_{23}\mu_{24} - 4\mu_{02}\mu_{50}\mu_{14}\mu_{33} \\
& +\mu_{02}\mu_{50}\mu_{05}\mu_{42} + 2\mu_{02}\mu_{41}^2\mu_{15} - 5\mu_{02}\mu_{41}\mu_{32}\mu_{24} - 4\mu_{02}\mu_{41}\mu_{23}\mu_{33} \\
& +7\mu_{02}\mu_{41}\mu_{14}\mu_{42} - 2\mu_{02}\mu_{41}\mu_{05}\mu_{51} + 8\mu_{02}\mu_{32}^2\mu_{33} - 8\mu_{02}\mu_{32}\mu_{23}\mu_{42} \\
& -2\mu_{02}\mu_{32}\mu_{14}\mu_{51} + \mu_{02}\mu_{32}\mu_{05}\mu_{60} + 4\mu_{02}\mu_{23}^2\mu_{51} - \mu_{02}\mu_{23}\mu_{14}\mu_{60})/\mu_{00}^{13}
\end{aligned}$$

weight=9

structure: 1,0,0,2,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |



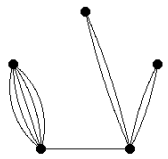
$$\begin{aligned}
I_{156} \;=\; & (\mu_{20}^2\mu_{50}\mu_{14}\mu_{06} - \mu_{20}^2\mu_{50}\mu_{05}\mu_{15} - 5\mu_{20}^2\mu_{41}\mu_{14}\mu_{15} + 5\mu_{20}^2\mu_{41}\mu_{05}\mu_{24} \\
& +10\mu_{20}^2\mu_{32}\mu_{14}\mu_{24} - 10\mu_{20}^2\mu_{32}\mu_{05}\mu_{33} - 10\mu_{20}^2\mu_{23}\mu_{14}\mu_{33} + 10\mu_{20}^2\mu_{23}\mu_{05}\mu_{42} \\
& +5\mu_{20}^2\mu_{14}^2\mu_{42} - 6\mu_{20}^2\mu_{14}\mu_{05}\mu_{51} + \mu_{20}^2\mu_{05}^2\mu_{60} - 4\mu_{20}\mu_{11}\mu_{50}\mu_{23}\mu_{06} \\
& +4\mu_{20}\mu_{11}\mu_{50}\mu_{14}\mu_{15} + 20\mu_{20}\mu_{11}\mu_{41}\mu_{23}\mu_{15} - 20\mu_{20}\mu_{11}\mu_{41}\mu_{14}\mu_{24} \\
& -40\mu_{20}\mu_{11}\mu_{32}\mu_{23}\mu_{24} + 40\mu_{20}\mu_{11}\mu_{32}\mu_{14}\mu_{33} + 40\mu_{20}\mu_{11}\mu_{23}^2\mu_{33} \\
& -60\mu_{20}\mu_{11}\mu_{23}\mu_{14}\mu_{42} + 4\mu_{20}\mu_{11}\mu_{23}\mu_{05}\mu_{51} + 20\mu_{20}\mu_{11}\mu_{14}^2\mu_{51} \\
& -4\mu_{20}\mu_{11}\mu_{14}\mu_{05}\mu_{60} + 2\mu_{20}\mu_{02}\mu_{50}\mu_{32}\mu_{06} - 2\mu_{20}\mu_{02}\mu_{50}\mu_{23}\mu_{15} \\
& -10\mu_{20}\mu_{02}\mu_{41}\mu_{32}\mu_{15} + 10\mu_{20}\mu_{02}\mu_{41}\mu_{23}\mu_{24} + 20\mu_{20}\mu_{02}\mu_{32}^2\mu_{24} \\
& -40\mu_{20}\mu_{02}\mu_{32}\mu_{23}\mu_{33} + 10\mu_{20}\mu_{02}\mu_{32}\mu_{14}\mu_{42} - 2\mu_{20}\mu_{02}\mu_{32}\mu_{05}\mu_{51} \\
& +20\mu_{20}\mu_{02}\mu_{23}^2\mu_{42} - 10\mu_{20}\mu_{02}\mu_{23}\mu_{14}\mu_{51} + 2\mu_{20}\mu_{02}\mu_{23}\mu_{05}\mu_{60} \\
& +4\mu_{11}^2\mu_{50}\mu_{32}\mu_{06} - 4\mu_{11}^2\mu_{50}\mu_{23}\mu_{15} - 20\mu_{11}^2\mu_{41}\mu_{32}\mu_{15} + 20\mu_{11}^2\mu_{41}\mu_{23}\mu_{24} \\
& +40\mu_{11}^2\mu_{32}^2\mu_{24} - 80\mu_{11}^2\mu_{32}\mu_{23}\mu_{33} + 20\mu_{11}^2\mu_{32}\mu_{14}\mu_{42} - 4\mu_{11}^2\mu_{32}\mu_{05}\mu_{51} \\
& +40\mu_{11}^2\mu_{23}^2\mu_{42} - 20\mu_{11}^2\mu_{23}\mu_{14}\mu_{51} + 4\mu_{11}^2\mu_{23}\mu_{05}\mu_{60} - 4\mu_{11}\mu_{02}\mu_{50}\mu_{41}\mu_{06} \\
& +4\mu_{11}\mu_{02}\mu_{50}\mu_{32}\mu_{15} + 20\mu_{11}\mu_{02}\mu_{41}^2\mu_{15} - 60\mu_{11}\mu_{02}\mu_{41}\mu_{32}\mu_{24} \\
& +40\mu_{11}\mu_{02}\mu_{41}\mu_{23}\mu_{33} - 20\mu_{11}\mu_{02}\mu_{41}\mu_{14}\mu_{42} + 4\mu_{11}\mu_{02}\mu_{41}\mu_{05}\mu_{51} \\
& +40\mu_{11}\mu_{02}\mu_{32}^2\mu_{33} - 40\mu_{11}\mu_{02}\mu_{32}\mu_{23}\mu_{42} + 20\mu_{11}\mu_{02}\mu_{32}\mu_{14}\mu_{51} \\
& -4\mu_{11}\mu_{02}\mu_{32}\mu_{05}\mu_{60} + \mu_{02}^2\mu_{50}^2\mu_{06} - 6\mu_{02}^2\mu_{50}\mu_{41}\mu_{15} + 10\mu_{02}^2\mu_{50}\mu_{32}\mu_{24} \\
& -10\mu_{02}^2\mu_{50}\mu_{23}\mu_{33} + 5\mu_{02}^2\mu_{50}\mu_{14}\mu_{42} - \mu_{02}^2\mu_{50}\mu_{05}\mu_{51} + 5\mu_{02}^2\mu_{41}^2\mu_{24} \\
& -10\mu_{02}^2\mu_{41}\mu_{32}\mu_{33} + 10\mu_{02}^2\mu_{41}\mu_{23}\mu_{42} - 5\mu_{02}^2\mu_{41}\mu_{14}\mu_{51} + \mu_{02}^2\mu_{41}\mu_{05}\mu_{60})/\mu_{00}^{15}
\end{aligned}$$

weight=10

structure: 2,0,0,2,1

Generating graph:

$$\begin{array}{cccccccccc} 1 & 1 & 1 & 1 & 1 & 1 & 2 & 2 & 2 & 2 \\ 2 & 3 & 3 & 3 & 3 & 3 & 4 & 4 & 5 & 5 \end{array}$$



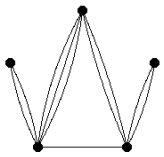
$$\begin{aligned} I_{157} \;=\; & (\mu_{20}^2\mu_{50}\mu_{14}\mu_{06} - \mu_{20}^2\mu_{50}\mu_{05}\mu_{15} - 2\mu_{20}^2\mu_{41}\mu_{23}\mu_{06} - \mu_{20}^2\mu_{41}\mu_{14}\mu_{15} \\ & +3\mu_{20}^2\mu_{41}\mu_{05}\mu_{24} + \mu_{20}^2\mu_{32}^2\mu_{06} + 2\mu_{20}^2\mu_{32}\mu_{23}\mu_{15} - 4\mu_{20}^2\mu_{32}\mu_{05}\mu_{33} \\ & -3\mu_{20}^2\mu_{23}^2\mu_{24} + 4\mu_{20}^2\mu_{23}\mu_{14}\mu_{33} + 2\mu_{20}^2\mu_{23}\mu_{05}\mu_{42} - 2\mu_{20}^2\mu_{14}^2\mu_{42} \\ & -2\mu_{20}\mu_{11}\mu_{50}\mu_{23}\mu_{06} + 2\mu_{20}\mu_{11}\mu_{50}\mu_{05}\mu_{24} + 2\mu_{20}\mu_{11}\mu_{41}\mu_{32}\mu_{06} \\ & +12\mu_{20}\mu_{11}\mu_{41}\mu_{23}\mu_{15} - 10\mu_{20}\mu_{11}\mu_{41}\mu_{14}\mu_{24} - 4\mu_{20}\mu_{11}\mu_{41}\mu_{05}\mu_{33} \\ & -12\mu_{20}\mu_{11}\mu_{32}^2\mu_{15} + 8\mu_{20}\mu_{11}\mu_{32}\mu_{23}\mu_{24} + 8\mu_{20}\mu_{11}\mu_{32}\mu_{14}\mu_{33} \\ & +6\mu_{20}\mu_{11}\mu_{32}\mu_{05}\mu_{42} - 4\mu_{20}\mu_{11}\mu_{23}^2\mu_{33} - 6\mu_{20}\mu_{11}\mu_{23}\mu_{14}\mu_{42} \\ & -4\mu_{20}\mu_{11}\mu_{23}\mu_{05}\mu_{51} + 4\mu_{20}\mu_{11}\mu_{14}^2\mu_{51} + 2\mu_{20}\mu_{02}\mu_{50}\mu_{32}\mu_{06} \\ & -4\mu_{20}\mu_{02}\mu_{50}\mu_{23}\mu_{15} + 4\mu_{20}\mu_{02}\mu_{50}\mu_{14}\mu_{24} - 2\mu_{20}\mu_{02}\mu_{50}\mu_{05}\mu_{33} \\ & -2\mu_{20}\mu_{02}\mu_{41}^2\mu_{06} + 4\mu_{20}\mu_{02}\mu_{41}\mu_{32}\mu_{15} - 2\mu_{20}\mu_{02}\mu_{41}\mu_{23}\mu_{24} \\ & -2\mu_{20}\mu_{02}\mu_{41}\mu_{14}\mu_{33} + 4\mu_{20}\mu_{02}\mu_{41}\mu_{05}\mu_{42} - 2\mu_{20}\mu_{02}\mu_{32}^2\mu_{24} \\ & +4\mu_{20}\mu_{02}\mu_{32}\mu_{23}\mu_{33} - 2\mu_{20}\mu_{02}\mu_{32}\mu_{14}\mu_{42} - 4\mu_{20}\mu_{02}\mu_{32}\mu_{05}\mu_{51} \\ & -2\mu_{20}\mu_{02}\mu_{23}^2\mu_{42} + 4\mu_{20}\mu_{02}\mu_{23}\mu_{14}\mu_{51} + 2\mu_{20}\mu_{02}\mu_{23}\mu_{05}\mu_{60} \\ & -2\mu_{20}\mu_{02}\mu_{14}^2\mu_{60} + 4\mu_{11}^2\mu_{50}\mu_{23}\mu_{15} - 4\mu_{11}^2\mu_{50}\mu_{14}\mu_{24} - 4\mu_{11}^2\mu_{41}\mu_{32}\mu_{15} \\ & -16\mu_{11}^2\mu_{41}\mu_{23}\mu_{24} + 24\mu_{11}^2\mu_{41}\mu_{14}\mu_{33} - 4\mu_{11}^2\mu_{41}\mu_{05}\mu_{42} + 20\mu_{11}^2\mu_{32}^2\mu_{24} \\ & -24\mu_{11}^2\mu_{32}\mu_{23}\mu_{33} - 16\mu_{11}^2\mu_{32}\mu_{14}\mu_{42} + 4\mu_{11}^2\mu_{32}\mu_{05}\mu_{51} + 20\mu_{11}^2\mu_{23}^2\mu_{42} \\ & -4\mu_{11}^2\mu_{23}\mu_{14}\mu_{51} - 4\mu_{11}\mu_{02}\mu_{50}\mu_{32}\mu_{15} + 6\mu_{11}\mu_{02}\mu_{50}\mu_{23}\mu_{24} \\ & -4\mu_{11}\mu_{02}\mu_{50}\mu_{14}\mu_{33} + 2\mu_{11}\mu_{02}\mu_{50}\mu_{05}\mu_{42} + 4\mu_{11}\mu_{02}\mu_{41}^2\mu_{15} \\ & -6\mu_{11}\mu_{02}\mu_{41}\mu_{32}\mu_{24} + 8\mu_{11}\mu_{02}\mu_{41}\mu_{23}\mu_{33} - 10\mu_{11}\mu_{02}\mu_{41}\mu_{14}\mu_{42} \\ & -4\mu_{11}\mu_{02}\mu_{32}^2\mu_{33} + 8\mu_{11}\mu_{02}\mu_{32}\mu_{23}\mu_{42} + 12\mu_{11}\mu_{02}\mu_{32}\mu_{14}\mu_{51} \\ & -2\mu_{11}\mu_{02}\mu_{32}\mu_{05}\mu_{60} - 12\mu_{11}\mu_{02}\mu_{23}^2\mu_{51} + 2\mu_{11}\mu_{02}\mu_{23}\mu_{14}\mu_{60} \\ & +2\mu_{02}^2\mu_{50}\mu_{32}\mu_{24} - 4\mu_{02}^2\mu_{50}\mu_{23}\mu_{33} + 3\mu_{02}^2\mu_{50}\mu_{14}\mu_{42} - \mu_{02}^2\mu_{50}\mu_{05}\mu_{51} \\ & -2\mu_{02}^2\mu_{41}^2\mu_{24} + 4\mu_{02}^2\mu_{41}\mu_{32}\mu_{33} - \mu_{02}^2\mu_{41}\mu_{14}\mu_{51} + \mu_{02}^2\mu_{41}\mu_{05}\mu_{60} \\ & -3\mu_{02}^2\mu_{32}^2\mu_{42} + 2\mu_{02}^2\mu_{32}\mu_{23}\mu_{51} - 2\mu_{02}^2\mu_{32}\mu_{14}\mu_{60} + \mu_{02}^2\mu_{23}^2\mu_{60})/\mu_{00}^{15} \end{aligned}$$

weight=10

structure: 2,0,0,2,1

Generating graph:

$$\begin{array}{cccccccccc} 1 & 1 & 1 & 1 & 1 & 1 & 2 & 2 & 2 & 2 \\ 2 & 3 & 3 & 4 & 4 & 4 & 4 & 4 & 5 & 5 \end{array}$$



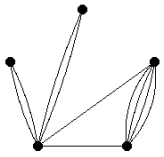
$$
\begin{aligned}
I_{158} \;=\; & (\mu_{20}^2\mu_{50}\mu_{14}\mu_{06} - \mu_{20}^2\mu_{50}\mu_{05}\mu_{15} - 4\mu_{20}^2\mu_{41}\mu_{23}\mu_{06} + 3\mu_{20}^2\mu_{41}\mu_{14}\mu_{15} \\
& +\mu_{20}^2\mu_{41}\mu_{05}\mu_{24} + 3\mu_{20}^2\mu_{32}^2\mu_{06} - 2\mu_{20}^2\mu_{32}\mu_{23}\mu_{15} - 4\mu_{20}^2\mu_{32}\mu_{14}\mu_{24} \\
& +3\mu_{20}^2\mu_{23}^2\mu_{24} - 4\mu_{20}\mu_{11}\mu_{50}\mu_{14}\mu_{15} + 4\mu_{20}\mu_{11}\mu_{50}\mu_{05}\mu_{24} \\
& +16\mu_{20}\mu_{11}\mu_{41}\mu_{23}\mu_{15} - 12\mu_{20}\mu_{11}\mu_{41}\mu_{14}\mu_{24} - 4\mu_{20}\mu_{11}\mu_{41}\mu_{05}\mu_{33} \\
& -12\mu_{20}\mu_{11}\mu_{32}^2\mu_{15} + 8\mu_{20}\mu_{11}\mu_{32}\mu_{23}\mu_{24} + 16\mu_{20}\mu_{11}\mu_{32}\mu_{14}\mu_{33} \\
& -12\mu_{20}\mu_{11}\mu_{23}^2\mu_{33} + 2\mu_{20}\mu_{02}\mu_{50}\mu_{14}\mu_{24} - 2\mu_{20}\mu_{02}\mu_{50}\mu_{05}\mu_{33} \\
& -8\mu_{20}\mu_{02}\mu_{41}\mu_{23}\mu_{24} + 6\mu_{20}\mu_{02}\mu_{41}\mu_{14}\mu_{33} + 2\mu_{20}\mu_{02}\mu_{41}\mu_{05}\mu_{42} \\
& +6\mu_{20}\mu_{02}\mu_{32}^2\mu_{24} - 4\mu_{20}\mu_{02}\mu_{32}\mu_{23}\mu_{33} - 8\mu_{20}\mu_{02}\mu_{32}\mu_{14}\mu_{42} \\
& +6\mu_{20}\mu_{02}\mu_{23}^2\mu_{42} + 4\mu_{11}^2\mu_{50}\mu_{14}\mu_{24} - 4\mu_{11}^2\mu_{50}\mu_{05}\mu_{33} - 16\mu_{11}^2\mu_{41}\mu_{23}\mu_{24} \\
& +12\mu_{11}^2\mu_{41}\mu_{14}\mu_{33} + 4\mu_{11}^2\mu_{41}\mu_{05}\mu_{42} + 12\mu_{11}^2\mu_{32}^2\mu_{24} - 8\mu_{11}^2\mu_{32}\mu_{23}\mu_{33} \\
& -16\mu_{11}^2\mu_{32}\mu_{14}\mu_{42} + 12\mu_{11}^2\mu_{23}^2\mu_{42} - 4\mu_{11}\mu_{02}\mu_{50}\mu_{14}\mu_{33} \\
& +4\mu_{11}\mu_{02}\mu_{50}\mu_{05}\mu_{42} + 16\mu_{11}\mu_{02}\mu_{41}\mu_{23}\mu_{33} - 12\mu_{11}\mu_{02}\mu_{41}\mu_{14}\mu_{42} \\
& -4\mu_{11}\mu_{02}\mu_{41}\mu_{05}\mu_{51} - 12\mu_{11}\mu_{02}\mu_{32}^2\mu_{33} + 8\mu_{11}\mu_{02}\mu_{32}\mu_{23}\mu_{42} \\
& +16\mu_{11}\mu_{02}\mu_{32}\mu_{14}\mu_{51} - 12\mu_{11}\mu_{02}\mu_{23}^2\mu_{51} + \mu_{02}^2\mu_{50}\mu_{14}\mu_{42} \\
& -\mu_{02}^2\mu_{50}\mu_{05}\mu_{51} - 4\mu_{02}^2\mu_{41}\mu_{23}\mu_{42} + 3\mu_{02}^2\mu_{41}\mu_{14}\mu_{51} + \mu_{02}^2\mu_{41}\mu_{05}\mu_{60} \\
& +3\mu_{02}^2\mu_{32}^2\mu_{42} - 2\mu_{02}^2\mu_{32}\mu_{23}\mu_{51} - 4\mu_{02}^2\mu_{32}\mu_{14}\mu_{60} + 3\mu_{02}^2\mu_{23}^2\mu_{60})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 2,0,0,2,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 5 | 5 |



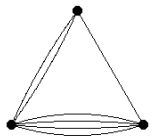
**Simultaneous invariants of the orders 3, 5 and 6**

$$
\begin{aligned}
I_{159} \;=\; & (-\mu_{30}\mu_{41}\mu_{06} + 4\mu_{30}\mu_{32}\mu_{15} - 6\mu_{30}\mu_{23}\mu_{24} + 4\mu_{30}\mu_{14}\mu_{33} - \mu_{30}\mu_{05}\mu_{42} \\
& +\mu_{21}\mu_{50}\mu_{06} - 2\mu_{21}\mu_{41}\mu_{15} - 2\mu_{21}\mu_{32}\mu_{24} + 8\mu_{21}\mu_{23}\mu_{33} - 7\mu_{21}\mu_{14}\mu_{42} \\
& +2\mu_{21}\mu_{05}\mu_{51} - 2\mu_{12}\mu_{50}\mu_{15} + 7\mu_{12}\mu_{41}\mu_{24} - 8\mu_{12}\mu_{32}\mu_{33} + 2\mu_{12}\mu_{23}\mu_{42} \\
& +2\mu_{12}\mu_{14}\mu_{51} - \mu_{12}\mu_{05}\mu_{60} + \mu_{03}\mu_{50}\mu_{24} - 4\mu_{03}\mu_{41}\mu_{33} + 6\mu_{03}\mu_{32}\mu_{42} \\
& -4\mu_{03}\mu_{23}\mu_{51} + \mu_{03}\mu_{14}\mu_{60})/\mu_{00}^{10}
\end{aligned}
$$

weight=7

structure: 0,1,0,1,1
Generating graph:

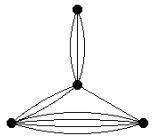
$$\begin{array}{ccccccc} 1 & 1 & 1 & 1 & 1 & 1 & 2 \\ 2 & 2 & 2 & 2 & 3 & 3 & 3 \end{array}$$



$$\begin{aligned} I_{160} \;=\; & (2\mu_{30}\mu_{50}\mu_{24}\mu_{06} - 2\mu_{30}\mu_{50}\mu_{15}^2 - 5\mu_{30}\mu_{41}\mu_{33}\mu_{06} + 5\mu_{30}\mu_{41}\mu_{24}\mu_{15} \\ & +6\mu_{30}\mu_{32}\mu_{42}\mu_{06} - 4\mu_{30}\mu_{32}\mu_{33}\mu_{15} - 2\mu_{30}\mu_{32}\mu_{24}^2 - 4\mu_{30}\mu_{23}\mu_{51}\mu_{06} \\ & +2\mu_{30}\mu_{23}\mu_{42}\mu_{15} + 2\mu_{30}\mu_{23}\mu_{33}\mu_{24} + \mu_{30}\mu_{14}\mu_{60}\mu_{06} + 2\mu_{30}\mu_{14}\mu_{51}\mu_{15} \\ & -7\mu_{30}\mu_{14}\mu_{42}\mu_{24} + 4\mu_{30}\mu_{14}\mu_{33}^2 - \mu_{30}\mu_{05}\mu_{60}\mu_{15} + 2\mu_{30}\mu_{05}\mu_{51}\mu_{24} \\ & -\mu_{30}\mu_{05}\mu_{42}\mu_{33} - 3\mu_{21}\mu_{50}\mu_{33}\mu_{06} + 3\mu_{21}\mu_{50}\mu_{24}\mu_{15} + 3\mu_{21}\mu_{41}\mu_{42}\mu_{06} \\ & +18\mu_{21}\mu_{41}\mu_{33}\mu_{15} - 21\mu_{21}\mu_{41}\mu_{24}^2 - 30\mu_{21}\mu_{32}\mu_{42}\mu_{15} + 30\mu_{21}\mu_{32}\mu_{33}\mu_{24} \\ & +12\mu_{21}\mu_{23}\mu_{51}\mu_{15} + 12\mu_{21}\mu_{23}\mu_{42}\mu_{24} - 24\mu_{21}\mu_{23}\mu_{33}^2 - 3\mu_{21}\mu_{14}\mu_{60}\mu_{15} \\ & -6\mu_{21}\mu_{14}\mu_{51}\mu_{24} + 9\mu_{21}\mu_{14}\mu_{42}\mu_{33} + 3\mu_{21}\mu_{05}\mu_{60}\mu_{24} - 6\mu_{21}\mu_{05}\mu_{51}\mu_{33} \\ & +3\mu_{21}\mu_{05}\mu_{42}^2 + 3\mu_{12}\mu_{50}\mu_{42}\mu_{06} - 6\mu_{12}\mu_{50}\mu_{33}\mu_{15} + 3\mu_{12}\mu_{50}\mu_{24}^2 \\ & -3\mu_{12}\mu_{41}\mu_{51}\mu_{06} - 6\mu_{12}\mu_{41}\mu_{42}\mu_{15} + 9\mu_{12}\mu_{41}\mu_{33}\mu_{24} + 12\mu_{12}\mu_{32}\mu_{51}\mu_{15} \\ & +12\mu_{12}\mu_{32}\mu_{42}\mu_{24} - 24\mu_{12}\mu_{32}\mu_{33}^2 - 30\mu_{12}\mu_{23}\mu_{51}\mu_{24} + 30\mu_{12}\mu_{23}\mu_{42}\mu_{33} \\ & +3\mu_{12}\mu_{14}\mu_{60}\mu_{24} + 18\mu_{12}\mu_{14}\mu_{51}\mu_{33} - 21\mu_{12}\mu_{14}\mu_{42}^2 - 3\mu_{12}\mu_{05}\mu_{60}\mu_{33} \\ & +3\mu_{12}\mu_{05}\mu_{51}\mu_{42} - \mu_{03}\mu_{50}\mu_{51}\mu_{06} + 2\mu_{03}\mu_{50}\mu_{42}\mu_{15} - \mu_{03}\mu_{50}\mu_{33}\mu_{24} \\ & +\mu_{03}\mu_{41}\mu_{60}\mu_{06} + 2\mu_{03}\mu_{41}\mu_{51}\mu_{15} - 7\mu_{03}\mu_{41}\mu_{42}\mu_{24} + 4\mu_{03}\mu_{41}\mu_{33}^2 \\ & -4\mu_{03}\mu_{32}\mu_{60}\mu_{15} + 2\mu_{03}\mu_{32}\mu_{51}\mu_{24} + 2\mu_{03}\mu_{32}\mu_{42}\mu_{33} + 6\mu_{03}\mu_{23}\mu_{60}\mu_{24} \\ & -4\mu_{03}\mu_{23}\mu_{51}\mu_{33} - 2\mu_{03}\mu_{23}\mu_{42}^2 - 5\mu_{03}\mu_{14}\mu_{60}\mu_{33} + 5\mu_{03}\mu_{14}\mu_{51}\mu_{42} \\ & +2\mu_{03}\mu_{05}\mu_{60}\mu_{42} - 2\mu_{03}\mu_{05}\mu_{51}^2)/\mu_{00}^{14} \end{aligned}$$

weight=10
structure: 0,1,0,1,2
Generating graph:

$$\begin{array}{cccccccccc} 1 & 1 & 1 & 1 & 1 & 1 & 2 & 2 & 2 & 2 \\ 2 & 2 & 3 & 3 & 3 & 3 & 3 & 4 & 4 & 4 \end{array}$$



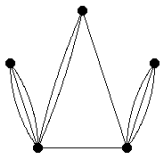
$$
\begin{aligned}
I_{161} \;=\; & (\mu_{30}^3\mu_{14}\mu_{06} - \mu_{30}^3\mu_{05}\mu_{15} - 4\mu_{30}^2\mu_{21}\mu_{23}\mu_{06} - \mu_{30}^2\mu_{21}\mu_{14}\mu_{15} \\
& +5\mu_{30}^2\mu_{21}\mu_{05}\mu_{24} + 3\mu_{30}^2\mu_{12}\mu_{32}\mu_{06} - \mu_{30}^2\mu_{12}\mu_{23}\mu_{15} + 2\mu_{30}^2\mu_{12}\mu_{14}\mu_{24} \\
& -4\mu_{30}^2\mu_{12}\mu_{05}\mu_{33} - \mu_{30}^2\mu_{03}\mu_{41}\mu_{06} + \mu_{30}^2\mu_{03}\mu_{32}\mu_{15} - \mu_{30}^2\mu_{03}\mu_{23}\mu_{24} \\
& +\mu_{30}^2\mu_{03}\mu_{05}\mu_{42} + 3\mu_{30}\mu_{21}^2\mu_{32}\mu_{06} + 15\mu_{30}\mu_{21}^2\mu_{23}\mu_{15} - 12\mu_{30}\mu_{21}^2\mu_{14}\mu_{24} \\
& -6\mu_{30}\mu_{21}^2\mu_{05}\mu_{33} - 3\mu_{30}\mu_{21}\mu_{12}\mu_{41}\mu_{06} - 18\mu_{30}\mu_{21}\mu_{12}\mu_{32}\mu_{15} \\
& +12\mu_{30}\mu_{21}\mu_{12}\mu_{14}\mu_{33} + 9\mu_{30}\mu_{21}\mu_{12}\mu_{05}\mu_{42} + \mu_{30}\mu_{21}\mu_{03}\mu_{50}\mu_{06} \\
& +4\mu_{30}\mu_{21}\mu_{03}\mu_{41}\mu_{15} - 2\mu_{30}\mu_{21}\mu_{03}\mu_{32}\mu_{24} + 4\mu_{30}\mu_{21}\mu_{03}\mu_{23}\mu_{33} \\
& -5\mu_{30}\mu_{21}\mu_{03}\mu_{14}\mu_{42} - 2\mu_{30}\mu_{21}\mu_{03}\mu_{05}\mu_{51} + 6\mu_{30}\mu_{12}^2\mu_{41}\mu_{15} \\
& +6\mu_{30}\mu_{12}^2\mu_{32}\mu_{24} - 6\mu_{30}\mu_{12}^2\mu_{23}\mu_{33} - 3\mu_{30}\mu_{12}^2\mu_{14}\mu_{42} - 3\mu_{30}\mu_{12}^2\mu_{05}\mu_{51} \\
& -2\mu_{30}\mu_{12}\mu_{03}\mu_{50}\mu_{15} - 5\mu_{30}\mu_{12}\mu_{03}\mu_{41}\mu_{24} + 4\mu_{30}\mu_{12}\mu_{03}\mu_{32}\mu_{33} \\
& -2\mu_{30}\mu_{12}\mu_{03}\mu_{23}\mu_{42} + 4\mu_{30}\mu_{12}\mu_{03}\mu_{14}\mu_{51} + \mu_{30}\mu_{12}\mu_{03}\mu_{05}\mu_{60} \\
& +\mu_{30}\mu_{03}^2\mu_{50}\mu_{24} - \mu_{30}\mu_{03}^2\mu_{32}\mu_{42} + \mu_{30}\mu_{03}^2\mu_{23}\mu_{51} - \mu_{30}\mu_{03}^2\mu_{14}\mu_{60} \\
& -9\mu_{21}^3\mu_{32}\mu_{15} - 9\mu_{21}^3\mu_{23}\mu_{24} + 18\mu_{21}^3\mu_{14}\mu_{33} + 9\mu_{21}^2\mu_{12}\mu_{41}\mu_{15} \\
& +36\mu_{21}^2\mu_{12}\mu_{32}\mu_{24} - 18\mu_{21}^2\mu_{12}\mu_{23}\mu_{33} - 27\mu_{21}^2\mu_{12}\mu_{14}\mu_{42} - 3\mu_{21}^2\mu_{03}\mu_{50}\mu_{15} \\
& -3\mu_{21}^2\mu_{03}\mu_{41}\mu_{24} - 6\mu_{21}^2\mu_{03}\mu_{32}\mu_{33} + 6\mu_{21}^2\mu_{03}\mu_{23}\mu_{42} + 6\mu_{21}^2\mu_{03}\mu_{14}\mu_{51} \\
& -27\mu_{21}\mu_{12}^2\mu_{41}\mu_{24} - 18\mu_{21}\mu_{12}^2\mu_{32}\mu_{33} + 36\mu_{21}\mu_{12}^2\mu_{23}\mu_{42} + 9\mu_{21}\mu_{12}^2\mu_{14}\mu_{51} \\
& +9\mu_{21}\mu_{12}\mu_{03}\mu_{50}\mu_{24} + 12\mu_{21}\mu_{12}\mu_{03}\mu_{41}\mu_{33} - 18\mu_{21}\mu_{12}\mu_{03}\mu_{23}\mu_{51} \\
& -3\mu_{21}\mu_{12}\mu_{03}\mu_{14}\mu_{60} - 4\mu_{21}\mu_{03}^2\mu_{50}\mu_{33} + 2\mu_{21}\mu_{03}^2\mu_{41}\mu_{42} \\
& -\mu_{21}\mu_{03}^2\mu_{32}\mu_{51} + 3\mu_{21}\mu_{03}^2\mu_{23}\mu_{60} + 18\mu_{12}^3\mu_{41}\mu_{33} - 9\mu_{12}^3\mu_{32}\mu_{42} \\
& -9\mu_{12}^3\mu_{23}\mu_{51} - 6\mu_{12}^2\mu_{03}\mu_{50}\mu_{33} - 12\mu_{12}^2\mu_{03}\mu_{41}\mu_{42} + 15\mu_{12}^2\mu_{03}\mu_{32}\mu_{51} \\
& +3\mu_{12}^2\mu_{03}\mu_{23}\mu_{60} + 5\mu_{12}\mu_{03}^2\mu_{50}\mu_{42} - \mu_{12}\mu_{03}^2\mu_{41}\mu_{51} - 4\mu_{12}\mu_{03}^2\mu_{32}\mu_{60} \\
& -\mu_{03}^3\mu_{50}\mu_{51} + \mu_{03}^3\mu_{41}\mu_{60})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 0,3,0,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |



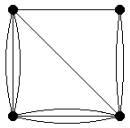
$$
\begin{aligned}
I_{162} \;=\; & (2\mu_{30}\mu_{32}\mu_{42}\mu_{06} - 8\mu_{30}\mu_{32}\mu_{33}\mu_{15} + 6\mu_{30}\mu_{32}\mu_{24}^2 - 3\mu_{30}\mu_{23}\mu_{51}\mu_{06} \\
& +9\mu_{30}\mu_{23}\mu_{42}\mu_{15} - 6\mu_{30}\mu_{23}\mu_{33}\mu_{24} + \mu_{30}\mu_{14}\mu_{60}\mu_{06} - 9\mu_{30}\mu_{14}\mu_{42}\mu_{24} \\
& +8\mu_{30}\mu_{14}\mu_{33}^2 - \mu_{30}\mu_{05}\mu_{60}\mu_{15} + 3\mu_{30}\mu_{05}\mu_{51}\mu_{24} - 2\mu_{30}\mu_{05}\mu_{42}\mu_{33} \\
& -4\mu_{21}\mu_{41}\mu_{42}\mu_{06} + 16\mu_{21}\mu_{41}\mu_{33}\mu_{15} - 12\mu_{21}\mu_{41}\mu_{24}^2 + 5\mu_{21}\mu_{32}\mu_{51}\mu_{06} \\
& -15\mu_{21}\mu_{32}\mu_{42}\mu_{15} + 10\mu_{21}\mu_{32}\mu_{33}\mu_{24} - \mu_{21}\mu_{23}\mu_{60}\mu_{06} + 9\mu_{21}\mu_{23}\mu_{42}\mu_{24} \\
& -8\mu_{21}\mu_{23}\mu_{33}^2 - \mu_{21}\mu_{14}\mu_{60}\mu_{15} + 3\mu_{21}\mu_{14}\mu_{51}\mu_{24} - 2\mu_{21}\mu_{14}\mu_{42}\mu_{33} \\
& +2\mu_{21}\mu_{05}\mu_{60}\mu_{24} - 8\mu_{21}\mu_{05}\mu_{51}\mu_{33} + 6\mu_{21}\mu_{05}\mu_{42}^2 + 2\mu_{12}\mu_{50}\mu_{42}\mu_{06} \\
& -8\mu_{12}\mu_{50}\mu_{33}\mu_{15} + 6\mu_{12}\mu_{50}\mu_{24}^2 - \mu_{12}\mu_{41}\mu_{51}\mu_{06} + 3\mu_{12}\mu_{41}\mu_{42}\mu_{15} \\
& -2\mu_{12}\mu_{41}\mu_{33}\mu_{24} - \mu_{12}\mu_{32}\mu_{60}\mu_{06} + 9\mu_{12}\mu_{32}\mu_{42}\mu_{24} - 8\mu_{12}\mu_{32}\mu_{33}^2 \\
& +5\mu_{12}\mu_{23}\mu_{60}\mu_{15} - 15\mu_{12}\mu_{23}\mu_{51}\mu_{24} + 10\mu_{12}\mu_{23}\mu_{42}\mu_{33} - 4\mu_{12}\mu_{14}\mu_{60}\mu_{24} \\
& +16\mu_{12}\mu_{14}\mu_{51}\mu_{33} - 12\mu_{12}\mu_{14}\mu_{42}^2 - \mu_{03}\mu_{50}\mu_{51}\mu_{06} + 3\mu_{03}\mu_{50}\mu_{42}\mu_{15} \\
& -2\mu_{03}\mu_{50}\mu_{33}\mu_{24} + \mu_{03}\mu_{41}\mu_{60}\mu_{06} - 9\mu_{03}\mu_{41}\mu_{42}\mu_{24} + 8\mu_{03}\mu_{41}\mu_{33}^2 \\
& -3\mu_{03}\mu_{32}\mu_{60}\mu_{15} + 9\mu_{03}\mu_{32}\mu_{51}\mu_{24} - 6\mu_{03}\mu_{32}\mu_{42}\mu_{33} + 2\mu_{03}\mu_{23}\mu_{60}\mu_{24} \\
& -8\mu_{03}\mu_{23}\mu_{51}\mu_{33} + 6\mu_{03}\mu_{23}\mu_{42}^2)/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,1,0,1,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |



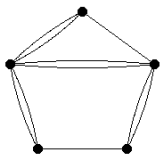
$$
\begin{aligned}
I_{163} \;=\; & (2\mu_{30}^2\mu_{12}\mu_{32}\mu_{06} - 6\mu_{30}^2\mu_{12}\mu_{23}\mu_{15} + 6\mu_{30}^2\mu_{12}\mu_{14}\mu_{24} - 2\mu_{30}^2\mu_{12}\mu_{05}\mu_{33} \\
& -\mu_{30}^2\mu_{03}\mu_{41}\mu_{06} + 2\mu_{30}^2\mu_{03}\mu_{32}\mu_{15} - 2\mu_{30}^2\mu_{03}\mu_{14}\mu_{33} + \mu_{30}^2\mu_{03}\mu_{05}\mu_{42} \\
& -2\mu_{30}\mu_{21}^2\mu_{32}\mu_{06} + 6\mu_{30}\mu_{21}^2\mu_{23}\mu_{15} - 6\mu_{30}\mu_{21}^2\mu_{14}\mu_{24} + 2\mu_{30}\mu_{21}^2\mu_{05}\mu_{33} \\
& -\mu_{30}\mu_{21}\mu_{12}\mu_{41}\mu_{06} + 6\mu_{30}\mu_{21}\mu_{12}\mu_{23}\mu_{24} - 8\mu_{30}\mu_{21}\mu_{12}\mu_{14}\mu_{33} \\
& +3\mu_{30}\mu_{21}\mu_{12}\mu_{05}\mu_{42} + \mu_{30}\mu_{21}\mu_{03}\mu_{50}\mu_{06} + 2\mu_{30}\mu_{21}\mu_{03}\mu_{41}\mu_{15} \\
& -10\mu_{30}\mu_{21}\mu_{03}\mu_{32}\mu_{24} + 8\mu_{30}\mu_{21}\mu_{03}\mu_{23}\mu_{33} + \mu_{30}\mu_{21}\mu_{03}\mu_{14}\mu_{42} \\
& -2\mu_{30}\mu_{21}\mu_{03}\mu_{05}\mu_{51} + 2\mu_{30}\mu_{12}^2\mu_{41}\mu_{15} - 4\mu_{30}\mu_{12}^2\mu_{32}\mu_{24} \\
& +4\mu_{30}\mu_{12}^2\mu_{14}\mu_{42} - 2\mu_{30}\mu_{12}^2\mu_{05}\mu_{51} - 2\mu_{30}\mu_{12}\mu_{03}\mu_{50}\mu_{15} \\
& +\mu_{30}\mu_{12}\mu_{03}\mu_{41}\mu_{24} + 8\mu_{30}\mu_{12}\mu_{03}\mu_{32}\mu_{33} - 10\mu_{30}\mu_{12}\mu_{03}\mu_{23}\mu_{42} \\
& +2\mu_{30}\mu_{12}\mu_{03}\mu_{14}\mu_{51} + \mu_{30}\mu_{12}\mu_{03}\mu_{05}\mu_{60} + \mu_{30}\mu_{03}^2\mu_{50}\mu_{24} \\
& -2\mu_{30}\mu_{03}^2\mu_{41}\mu_{33} + 2\mu_{30}\mu_{03}^2\mu_{23}\mu_{51} - \mu_{30}\mu_{03}^2\mu_{14}\mu_{60} + 2\mu_{21}^3\mu_{41}\mu_{06} \\
& -2\mu_{21}^3\mu_{32}\mu_{15} - 6\mu_{21}^3\mu_{23}\mu_{24} + 10\mu_{21}^3\mu_{14}\mu_{33} - 4\mu_{21}^3\mu_{05}\mu_{42} - \mu_{21}^2\mu_{12}\mu_{50}\mu_{06} \\
& -4\mu_{21}^2\mu_{12}\mu_{41}\mu_{15} + 14\mu_{21}^2\mu_{12}\mu_{32}\mu_{24} - 8\mu_{21}^2\mu_{12}\mu_{23}\mu_{33} - 5\mu_{21}^2\mu_{12}\mu_{14}\mu_{42} \\
& +4\mu_{21}^2\mu_{12}\mu_{05}\mu_{51} - 2\mu_{21}^2\mu_{03}\mu_{50}\mu_{15} + 4\mu_{21}^2\mu_{03}\mu_{41}\mu_{24} - 4\mu_{21}^2\mu_{03}\mu_{23}\mu_{42} \\
& +2\mu_{21}^2\mu_{03}\mu_{14}\mu_{51} + 4\mu_{21}\mu_{12}^2\mu_{50}\mu_{15} - 5\mu_{21}\mu_{12}^2\mu_{41}\mu_{24} - 8\mu_{21}\mu_{12}^2\mu_{32}\mu_{33} \\
& +14\mu_{21}\mu_{12}^2\mu_{23}\mu_{42} - 4\mu_{21}\mu_{12}^2\mu_{14}\mu_{51} - \mu_{21}\mu_{12}^2\mu_{05}\mu_{60} \\
& +3\mu_{21}\mu_{12}\mu_{03}\mu_{50}\mu_{24} - 8\mu_{21}\mu_{12}\mu_{03}\mu_{41}\mu_{33} + 6\mu_{21}\mu_{12}\mu_{03}\mu_{32}\mu_{42} \\
& -\mu_{21}\mu_{12}\mu_{03}\mu_{14}\mu_{60} - 2\mu_{21}\mu_{03}^2\mu_{50}\mu_{33} + 6\mu_{21}\mu_{03}^2\mu_{41}\mu_{42} \\
& -6\mu_{21}\mu_{03}^2\mu_{32}\mu_{51} + 2\mu_{21}\mu_{03}^2\mu_{23}\mu_{60} - 4\mu_{12}^3\mu_{50}\mu_{24} + 10\mu_{12}^3\mu_{41}\mu_{33} \\
& -6\mu_{12}^3\mu_{32}\mu_{42} - 2\mu_{12}^3\mu_{23}\mu_{51} + 2\mu_{12}^3\mu_{14}\mu_{60} + 2\mu_{12}^2\mu_{03}\mu_{50}\mu_{33} \\
& -6\mu_{12}^2\mu_{03}\mu_{41}\mu_{42} + 6\mu_{12}^2\mu_{03}\mu_{32}\mu_{51} - 2\mu_{12}^2\mu_{03}\mu_{23}\mu_{60})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 0,3,0,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |



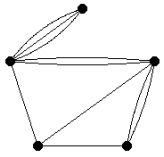
$$
\begin{aligned}
I_{164} \;=\; & (\mu_{30}^2\mu_{12}\mu_{32}\mu_{06} - 3\mu_{30}^2\mu_{12}\mu_{23}\mu_{15} + 3\mu_{30}^2\mu_{12}\mu_{14}\mu_{24} - \mu_{30}^2\mu_{12}\mu_{05}\mu_{33} \\
& -\mu_{30}^2\mu_{03}\mu_{41}\mu_{06} + 3\mu_{30}^2\mu_{03}\mu_{32}\mu_{15} - 3\mu_{30}^2\mu_{03}\mu_{23}\mu_{24} + \mu_{30}^2\mu_{03}\mu_{14}\mu_{33} \\
& -\mu_{30}\mu_{21}^2\mu_{32}\mu_{06} + 3\mu_{30}\mu_{21}^2\mu_{23}\mu_{15} - 3\mu_{30}\mu_{21}^2\mu_{14}\mu_{24} + \mu_{30}\mu_{21}^2\mu_{05}\mu_{33} \\
& +\mu_{30}\mu_{21}\mu_{12}\mu_{41}\mu_{06} - 6\mu_{30}\mu_{21}\mu_{12}\mu_{32}\mu_{15} + 12\mu_{30}\mu_{21}\mu_{12}\mu_{23}\mu_{24} \\
& -10\mu_{30}\mu_{21}\mu_{12}\mu_{14}\mu_{33} + 3\mu_{30}\mu_{21}\mu_{12}\mu_{05}\mu_{42} + \mu_{30}\mu_{21}\mu_{03}\mu_{50}\mu_{06} \\
& -6\mu_{30}\mu_{21}\mu_{03}\mu_{32}\mu_{24} + 8\mu_{30}\mu_{21}\mu_{03}\mu_{23}\mu_{33} - 3\mu_{30}\mu_{21}\mu_{03}\mu_{14}\mu_{42} \\
& -\mu_{30}\mu_{12}^2\mu_{50}\mu_{06} + 3\mu_{30}\mu_{12}^2\mu_{41}\mu_{15} - 8\mu_{30}\mu_{12}^2\mu_{23}\mu_{33} + 9\mu_{30}\mu_{12}^2\mu_{14}\mu_{42} \\
& -3\mu_{30}\mu_{12}^2\mu_{05}\mu_{51} - 3\mu_{30}\mu_{12}\mu_{03}\mu_{41}\mu_{24} + 8\mu_{30}\mu_{12}\mu_{03}\mu_{32}\mu_{33} \\
& -6\mu_{30}\mu_{12}\mu_{03}\mu_{23}\mu_{42} + \mu_{30}\mu_{12}\mu_{03}\mu_{05}\mu_{60} + \mu_{30}\mu_{03}^2\mu_{41}\mu_{33} \\
& -3\mu_{30}\mu_{03}^2\mu_{32}\mu_{42} + 3\mu_{30}\mu_{03}^2\mu_{23}\mu_{51} - \mu_{30}\mu_{03}^2\mu_{14}\mu_{60} + 3\mu_{21}^3\mu_{32}\mu_{15} \\
& -9\mu_{21}^3\mu_{23}\mu_{24} + 9\mu_{21}^3\mu_{14}\mu_{33} - 3\mu_{21}^3\mu_{05}\mu_{42} - 3\mu_{21}^2\mu_{12}\mu_{41}\mu_{15} \\
& +6\mu_{21}^2\mu_{12}\mu_{32}\mu_{24} - 6\mu_{21}^2\mu_{12}\mu_{14}\mu_{42} + 3\mu_{21}^2\mu_{12}\mu_{05}\mu_{51} - 3\mu_{21}^2\mu_{03}\mu_{50}\mu_{15} \\
& +9\mu_{21}^2\mu_{03}\mu_{41}\mu_{24} - 8\mu_{21}^2\mu_{03}\mu_{32}\mu_{33} + 3\mu_{21}^2\mu_{03}\mu_{14}\mu_{51} - \mu_{21}^2\mu_{03}\mu_{05}\mu_{60} \\
& +3\mu_{21}\mu_{12}^2\mu_{50}\mu_{15} - 6\mu_{21}\mu_{12}^2\mu_{41}\mu_{24} + 6\mu_{21}\mu_{12}^2\mu_{23}\mu_{42} - 3\mu_{21}\mu_{12}^2\mu_{14}\mu_{51} \\
& +3\mu_{21}\mu_{12}\mu_{03}\mu_{50}\mu_{24} - 10\mu_{21}\mu_{12}\mu_{03}\mu_{41}\mu_{33} + 12\mu_{21}\mu_{12}\mu_{03}\mu_{32}\mu_{42} \\
& -6\mu_{21}\mu_{12}\mu_{03}\mu_{23}\mu_{51} + \mu_{21}\mu_{12}\mu_{03}\mu_{14}\mu_{60} - \mu_{21}\mu_{03}^2\mu_{50}\mu_{33} \\
& +3\mu_{21}\mu_{03}^2\mu_{41}\mu_{42} - 3\mu_{21}\mu_{03}^2\mu_{32}\mu_{51} + \mu_{21}\mu_{03}^2\mu_{23}\mu_{60} - 3\mu_{12}^3\mu_{50}\mu_{24} \\
& +9\mu_{12}^3\mu_{41}\mu_{33} - 9\mu_{12}^3\mu_{32}\mu_{42} + 3\mu_{12}^3\mu_{23}\mu_{51} + \mu_{12}^2\mu_{03}\mu_{50}\mu_{33} \\
& -3\mu_{12}^2\mu_{03}\mu_{41}\mu_{42} + 3\mu_{12}^2\mu_{03}\mu_{32}\mu_{51} - \mu_{12}^2\mu_{03}\mu_{23}\mu_{60})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 0,3,0,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 4 |
| 2 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



**Simultaneous invariants of the orders 4, 5 and 6**

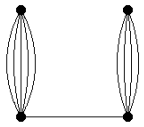
$$
\begin{aligned}
I_{165} \;=\; & (\mu_{40}\mu_{50}\mu_{14}\mu_{06} - \mu_{40}\mu_{50}\mu_{05}\mu_{15} - 5\mu_{40}\mu_{41}\mu_{14}\mu_{15} + 5\mu_{40}\mu_{41}\mu_{05}\mu_{24} \\
& +10\mu_{40}\mu_{32}\mu_{14}\mu_{24} - 10\mu_{40}\mu_{32}\mu_{05}\mu_{33} - 10\mu_{40}\mu_{23}\mu_{14}\mu_{33} + 10\mu_{40}\mu_{23}\mu_{05}\mu_{42} \\
& +5\mu_{40}\mu_{14}^2\mu_{42} - 6\mu_{40}\mu_{14}\mu_{05}\mu_{51} + \mu_{40}\mu_{05}^2\mu_{60} - 4\mu_{31}\mu_{50}\mu_{23}\mu_{06} \\
& +4\mu_{31}\mu_{50}\mu_{14}\mu_{15} + 20\mu_{31}\mu_{41}\mu_{23}\mu_{15} - 20\mu_{31}\mu_{41}\mu_{14}\mu_{24} - 40\mu_{31}\mu_{32}\mu_{23}\mu_{24} \\
& +40\mu_{31}\mu_{32}\mu_{14}\mu_{33} + 40\mu_{31}\mu_{23}^2\mu_{33} - 60\mu_{31}\mu_{23}\mu_{14}\mu_{42} + 4\mu_{31}\mu_{23}\mu_{05}\mu_{51} \\
& +20\mu_{31}\mu_{14}^2\mu_{51} - 4\mu_{31}\mu_{14}\mu_{05}\mu_{60} + 6\mu_{22}\mu_{50}\mu_{32}\mu_{06} - 6\mu_{22}\mu_{50}\mu_{23}\mu_{15} \\
& -30\mu_{22}\mu_{41}\mu_{32}\mu_{15} + 30\mu_{22}\mu_{41}\mu_{23}\mu_{24} + 60\mu_{22}\mu_{32}^2\mu_{24} - 120\mu_{22}\mu_{32}\mu_{23}\mu_{33} \\
& +30\mu_{22}\mu_{32}\mu_{14}\mu_{42} - 6\mu_{22}\mu_{32}\mu_{05}\mu_{51} + 60\mu_{22}\mu_{23}^2\mu_{42} - 30\mu_{22}\mu_{23}\mu_{14}\mu_{51} \\
& +6\mu_{22}\mu_{23}\mu_{05}\mu_{60} - 4\mu_{13}\mu_{50}\mu_{41}\mu_{06} + 4\mu_{13}\mu_{50}\mu_{32}\mu_{15} + 20\mu_{13}\mu_{41}^2\mu_{15} \\
& -60\mu_{13}\mu_{41}\mu_{32}\mu_{24} + 40\mu_{13}\mu_{41}\mu_{23}\mu_{33} - 20\mu_{13}\mu_{41}\mu_{14}\mu_{42} + 4\mu_{13}\mu_{41}\mu_{05}\mu_{51} \\
& +40\mu_{13}\mu_{32}^2\mu_{33} - 40\mu_{13}\mu_{32}\mu_{23}\mu_{42} + 20\mu_{13}\mu_{32}\mu_{14}\mu_{51} - 4\mu_{13}\mu_{32}\mu_{05}\mu_{60} \\
& +\mu_{04}\mu_{50}^2\mu_{06} - 6\mu_{04}\mu_{50}\mu_{41}\mu_{15} + 10\mu_{04}\mu_{50}\mu_{32}\mu_{24} - 10\mu_{04}\mu_{50}\mu_{23}\mu_{33} \\
& +5\mu_{04}\mu_{50}\mu_{14}\mu_{42} - \mu_{04}\mu_{50}\mu_{05}\mu_{51} + 5\mu_{04}\mu_{41}^2\mu_{24} - 10\mu_{04}\mu_{41}\mu_{32}\mu_{33} \\
& +10\mu_{04}\mu_{41}\mu_{23}\mu_{42} - 5\mu_{04}\mu_{41}\mu_{14}\mu_{51} + \mu_{04}\mu_{41}\mu_{05}\mu_{60})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,0,1,2,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |



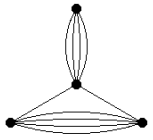
$$
\begin{aligned}
I_{166} \;=\; & (\mu_{40}\mu_{50}\mu_{14}\mu_{06} - \mu_{40}\mu_{50}\mu_{05}\mu_{15} - 4\mu_{40}\mu_{41}\mu_{23}\mu_{06} + 3\mu_{40}\mu_{41}\mu_{14}\mu_{15} \\
& +\mu_{40}\mu_{41}\mu_{05}\mu_{24} + 3\mu_{40}\mu_{32}^2\mu_{06} - 2\mu_{40}\mu_{32}\mu_{23}\mu_{15} - 4\mu_{40}\mu_{32}\mu_{14}\mu_{24} \\
& +3\mu_{40}\mu_{23}^2\mu_{24} - 4\mu_{31}\mu_{50}\mu_{14}\mu_{15} + 4\mu_{31}\mu_{50}\mu_{05}\mu_{24} + 16\mu_{31}\mu_{41}\mu_{23}\mu_{15} \\
& -12\mu_{31}\mu_{41}\mu_{14}\mu_{24} - 4\mu_{31}\mu_{41}\mu_{05}\mu_{33} - 12\mu_{31}\mu_{32}^2\mu_{15} + 8\mu_{31}\mu_{32}\mu_{23}\mu_{24} \\
& +16\mu_{31}\mu_{32}\mu_{14}\mu_{33} - 12\mu_{31}\mu_{23}^2\mu_{33} + 6\mu_{22}\mu_{50}\mu_{14}\mu_{24} - 6\mu_{22}\mu_{50}\mu_{05}\mu_{33} \\
& -24\mu_{22}\mu_{41}\mu_{23}\mu_{24} + 18\mu_{22}\mu_{41}\mu_{14}\mu_{33} + 6\mu_{22}\mu_{41}\mu_{05}\mu_{42} + 18\mu_{22}\mu_{32}^2\mu_{24} \\
& -12\mu_{22}\mu_{32}\mu_{23}\mu_{33} - 24\mu_{22}\mu_{32}\mu_{14}\mu_{42} + 18\mu_{22}\mu_{23}^2\mu_{42} - 4\mu_{13}\mu_{50}\mu_{14}\mu_{33} \\
& +4\mu_{13}\mu_{50}\mu_{05}\mu_{42} + 16\mu_{13}\mu_{41}\mu_{23}\mu_{33} - 12\mu_{13}\mu_{41}\mu_{14}\mu_{42} - 4\mu_{13}\mu_{41}\mu_{05}\mu_{51} \\
& -12\mu_{13}\mu_{32}^2\mu_{33} + 8\mu_{13}\mu_{32}\mu_{23}\mu_{42} + 16\mu_{13}\mu_{32}\mu_{14}\mu_{51} - 12\mu_{13}\mu_{23}^2\mu_{51} \\
& +\mu_{04}\mu_{50}\mu_{14}\mu_{42} - \mu_{04}\mu_{50}\mu_{05}\mu_{51} - 4\mu_{04}\mu_{41}\mu_{23}\mu_{42} + 3\mu_{04}\mu_{41}\mu_{14}\mu_{51} \\
& +\mu_{04}\mu_{41}\mu_{05}\mu_{60} + 3\mu_{04}\mu_{32}^2\mu_{42} - 2\mu_{04}\mu_{32}\mu_{23}\mu_{51} - 4\mu_{04}\mu_{32}\mu_{14}\mu_{60} \\
& +3\mu_{04}\mu_{23}^2\mu_{60})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,0,1,2,1

Generating graph:

| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |



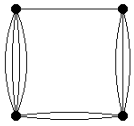
$$
\begin{aligned}
I_{167} \;=\; & (\mu_{40}\mu_{41}\mu_{23}\mu_{06} - 2\mu_{40}\mu_{41}\mu_{14}\mu_{15} + \mu_{40}\mu_{41}\mu_{05}\mu_{24} - 4\mu_{40}\mu_{32}\mu_{23}\mu_{15} \\
& +8\mu_{40}\mu_{32}\mu_{14}\mu_{24} - 4\mu_{40}\mu_{32}\mu_{05}\mu_{33} + 6\mu_{40}\mu_{23}^2\mu_{24} - 16\mu_{40}\mu_{23}\mu_{14}\mu_{33} \\
& +7\mu_{40}\mu_{23}\mu_{05}\mu_{42} + 8\mu_{40}\mu_{14}^2\mu_{42} - 6\mu_{40}\mu_{14}\mu_{05}\mu_{51} + \mu_{40}\mu_{05}^2\mu_{60} \\
& -\mu_{31}\mu_{50}\mu_{23}\mu_{06} + 2\mu_{31}\mu_{50}\mu_{14}\mu_{15} - \mu_{31}\mu_{50}\mu_{05}\mu_{24} - 3\mu_{31}\mu_{41}\mu_{32}\mu_{06} \\
& +10\mu_{31}\mu_{41}\mu_{23}\mu_{15} - 11\mu_{31}\mu_{41}\mu_{14}\mu_{24} + 4\mu_{31}\mu_{41}\mu_{05}\mu_{33} + 12\mu_{31}\mu_{32}^2\mu_{15} \\
& -48\mu_{31}\mu_{32}\mu_{23}\mu_{24} + 36\mu_{31}\mu_{32}\mu_{14}\mu_{33} - 9\mu_{31}\mu_{32}\mu_{05}\mu_{42} + 40\mu_{31}\mu_{23}^2\mu_{33} \\
& -51\mu_{31}\mu_{23}\mu_{14}\mu_{42} + 10\mu_{31}\mu_{23}\mu_{05}\mu_{51} + 14\mu_{31}\mu_{14}^2\mu_{51} - 4\mu_{31}\mu_{14}\mu_{05}\mu_{60} \\
& +3\mu_{22}\mu_{50}\mu_{32}\mu_{06} - 6\mu_{22}\mu_{50}\mu_{23}\mu_{15} + 3\mu_{22}\mu_{50}\mu_{14}\mu_{24} + 3\mu_{22}\mu_{41}^2\mu_{06} \\
& -30\mu_{22}\mu_{41}\mu_{32}\mu_{15} + 45\mu_{22}\mu_{41}\mu_{23}\mu_{24} - 24\mu_{22}\mu_{41}\mu_{14}\mu_{33} + 3\mu_{22}\mu_{41}\mu_{05}\mu_{42} \\
& +42\mu_{22}\mu_{32}^2\mu_{24} - 96\mu_{22}\mu_{32}\mu_{23}\mu_{33} + 45\mu_{22}\mu_{32}\mu_{14}\mu_{42} - 6\mu_{22}\mu_{32}\mu_{05}\mu_{51} \\
& +42\mu_{22}\mu_{23}^2\mu_{42} - 30\mu_{22}\mu_{23}\mu_{14}\mu_{51} + 3\mu_{22}\mu_{23}\mu_{05}\mu_{60} + 3\mu_{22}\mu_{14}^2\mu_{60} \\
& -4\mu_{13}\mu_{50}\mu_{41}\mu_{06} + 10\mu_{13}\mu_{50}\mu_{32}\mu_{15} - 9\mu_{13}\mu_{50}\mu_{23}\mu_{24} + 4\mu_{13}\mu_{50}\mu_{14}\mu_{33} \\
& -\mu_{13}\mu_{50}\mu_{05}\mu_{42} + 14\mu_{13}\mu_{41}^2\mu_{15} - 51\mu_{13}\mu_{41}\mu_{32}\mu_{24} + 36\mu_{13}\mu_{41}\mu_{23}\mu_{33} \\
& -11\mu_{13}\mu_{41}\mu_{14}\mu_{42} + 2\mu_{13}\mu_{41}\mu_{05}\mu_{51} + 40\mu_{13}\mu_{32}^2\mu_{33} - 48\mu_{13}\mu_{32}\mu_{23}\mu_{42} \\
& +10\mu_{13}\mu_{32}\mu_{14}\mu_{51} - \mu_{13}\mu_{32}\mu_{05}\mu_{60} + 12\mu_{13}\mu_{23}^2\mu_{51} - 3\mu_{13}\mu_{23}\mu_{14}\mu_{60} \\
& +\mu_{04}\mu_{50}^2\mu_{06} - 6\mu_{04}\mu_{50}\mu_{41}\mu_{15} + 7\mu_{04}\mu_{50}\mu_{32}\mu_{24} - 4\mu_{04}\mu_{50}\mu_{23}\mu_{33} \\
& +\mu_{04}\mu_{50}\mu_{14}\mu_{42} + 8\mu_{04}\mu_{41}^2\mu_{24} - 16\mu_{04}\mu_{41}\mu_{32}\mu_{33} + 8\mu_{04}\mu_{41}\mu_{23}\mu_{42} \\
& -2\mu_{04}\mu_{41}\mu_{14}\mu_{51} + 6\mu_{04}\mu_{32}^2\mu_{42} - 4\mu_{04}\mu_{32}\mu_{23}\mu_{51} + \mu_{04}\mu_{32}\mu_{14}\mu_{60})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,0,1,2,1

Generating graph:

| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |



**Simultaneous invariants of the orders 2, 3, 4 and 6**

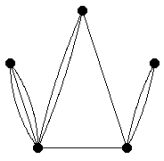
$$
\begin{aligned}
I_{168} \;=\; & (-\mu_{20}\mu_{30}^2\mu_{13}\mu_{06} + \mu_{20}\mu_{30}^2\mu_{04}\mu_{15} + \mu_{20}\mu_{30}\mu_{21}\mu_{22}\mu_{06} \\
& +4\mu_{20}\mu_{30}\mu_{21}\mu_{13}\mu_{15} - 5\mu_{20}\mu_{30}\mu_{21}\mu_{04}\mu_{24} - 2\mu_{20}\mu_{30}\mu_{12}\mu_{22}\mu_{15} \\
& -2\mu_{20}\mu_{30}\mu_{12}\mu_{13}\mu_{24} + 4\mu_{20}\mu_{30}\mu_{12}\mu_{04}\mu_{33} + \mu_{20}\mu_{30}\mu_{03}\mu_{22}\mu_{24} \\
& -\mu_{20}\mu_{30}\mu_{03}\mu_{04}\mu_{42} - 3\mu_{20}\mu_{21}^2\mu_{22}\mu_{15} - 3\mu_{20}\mu_{21}^2\mu_{13}\mu_{24} \\
& +6\mu_{20}\mu_{21}^2\mu_{04}\mu_{33} + 9\mu_{20}\mu_{21}\mu_{12}\mu_{22}\mu_{24} - 9\mu_{20}\mu_{21}\mu_{12}\mu_{04}\mu_{42} \\
& -4\mu_{20}\mu_{21}\mu_{03}\mu_{22}\mu_{33} + 2\mu_{20}\mu_{21}\mu_{03}\mu_{13}\mu_{42} + 2\mu_{20}\mu_{21}\mu_{03}\mu_{04}\mu_{51} \\
& -6\mu_{20}\mu_{12}^2\mu_{22}\mu_{33} + 3\mu_{20}\mu_{12}^2\mu_{13}\mu_{42} + 3\mu_{20}\mu_{12}^2\mu_{04}\mu_{51} \\
& +5\mu_{20}\mu_{12}\mu_{03}\mu_{22}\mu_{42} - 4\mu_{20}\mu_{12}\mu_{03}\mu_{13}\mu_{51} - \mu_{20}\mu_{12}\mu_{03}\mu_{04}\mu_{60} \\
& -\mu_{20}\mu_{03}^2\mu_{22}\mu_{51} + \mu_{20}\mu_{03}^2\mu_{13}\mu_{60} + 2\mu_{11}\mu_{30}^2\mu_{22}\mu_{06} - 2\mu_{11}\mu_{30}^2\mu_{13}\mu_{15} \\
& -2\mu_{11}\mu_{30}\mu_{21}\mu_{31}\mu_{06} - 8\mu_{11}\mu_{30}\mu_{21}\mu_{22}\mu_{15} + 10\mu_{11}\mu_{30}\mu_{21}\mu_{13}\mu_{24} \\
& +4\mu_{11}\mu_{30}\mu_{12}\mu_{31}\mu_{15} + 4\mu_{11}\mu_{30}\mu_{12}\mu_{22}\mu_{24} - 8\mu_{11}\mu_{30}\mu_{12}\mu_{13}\mu_{33} \\
& -2\mu_{11}\mu_{30}\mu_{03}\mu_{31}\mu_{24} + 2\mu_{11}\mu_{30}\mu_{03}\mu_{13}\mu_{42} + 6\mu_{11}\mu_{21}^2\mu_{31}\mu_{15} \\
& +6\mu_{11}\mu_{21}^2\mu_{22}\mu_{24} - 12\mu_{11}\mu_{21}^2\mu_{13}\mu_{33} - 18\mu_{11}\mu_{21}\mu_{12}\mu_{31}\mu_{24} \\
& +18\mu_{11}\mu_{21}\mu_{12}\mu_{13}\mu_{42} + 8\mu_{11}\mu_{21}\mu_{03}\mu_{31}\mu_{33} - 4\mu_{11}\mu_{21}\mu_{03}\mu_{22}\mu_{42} \\
& -4\mu_{11}\mu_{21}\mu_{03}\mu_{13}\mu_{51} + 12\mu_{11}\mu_{12}^2\mu_{31}\mu_{33} - 6\mu_{11}\mu_{12}^2\mu_{22}\mu_{42} \\
& -6\mu_{11}\mu_{12}^2\mu_{13}\mu_{51} - 10\mu_{11}\mu_{12}\mu_{03}\mu_{31}\mu_{42} + 8\mu_{11}\mu_{12}\mu_{03}\mu_{22}\mu_{51} \\
& +2\mu_{11}\mu_{12}\mu_{03}\mu_{13}\mu_{60} + 2\mu_{11}\mu_{03}^2\mu_{31}\mu_{51} - 2\mu_{11}\mu_{03}^2\mu_{22}\mu_{60} \\
& -\mu_{02}\mu_{30}^2\mu_{31}\mu_{06} + \mu_{02}\mu_{30}^2\mu_{22}\mu_{15} + \mu_{02}\mu_{30}\mu_{21}\mu_{40}\mu_{06} \\
& +4\mu_{02}\mu_{30}\mu_{21}\mu_{31}\mu_{15} - 5\mu_{02}\mu_{30}\mu_{21}\mu_{22}\mu_{24} - 2\mu_{02}\mu_{30}\mu_{12}\mu_{40}\mu_{15} \\
& -2\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{24} + 4\mu_{02}\mu_{30}\mu_{12}\mu_{22}\mu_{33} + \mu_{02}\mu_{30}\mu_{03}\mu_{40}\mu_{24} \\
& -\mu_{02}\mu_{30}\mu_{03}\mu_{22}\mu_{42} - 3\mu_{02}\mu_{21}^2\mu_{40}\mu_{15} - 3\mu_{02}\mu_{21}^2\mu_{31}\mu_{24} \\
& +6\mu_{02}\mu_{21}^2\mu_{22}\mu_{33} + 9\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{24} - 9\mu_{02}\mu_{21}\mu_{12}\mu_{22}\mu_{42} \\
& -4\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{33} + 2\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{42} + 2\mu_{02}\mu_{21}\mu_{03}\mu_{22}\mu_{51} \\
& -6\mu_{02}\mu_{12}^2\mu_{40}\mu_{33} + 3\mu_{02}\mu_{12}^2\mu_{31}\mu_{42} + 3\mu_{02}\mu_{12}^2\mu_{22}\mu_{51} \\
& +5\mu_{02}\mu_{12}\mu_{03}\mu_{40}\mu_{42} - 4\mu_{02}\mu_{12}\mu_{03}\mu_{31}\mu_{51} - \mu_{02}\mu_{12}\mu_{03}\mu_{22}\mu_{60} \\
& -\mu_{02}\mu_{03}^2\mu_{40}\mu_{51} + \mu_{02}\mu_{03}^2\mu_{31}\mu_{60})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 1,2,1,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |



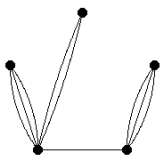
$$
\begin{aligned}
I_{169} \;=\; & (-\mu_{20}\mu_{30}^2\mu_{13}\mu_{06} + \mu_{20}\mu_{30}^2\mu_{04}\mu_{15} + 3\mu_{20}\mu_{30}\mu_{21}\mu_{22}\mu_{06} \\
& -3\mu_{20}\mu_{30}\mu_{21}\mu_{04}\mu_{24} - 3\mu_{20}\mu_{30}\mu_{12}\mu_{31}\mu_{06} + 3\mu_{20}\mu_{30}\mu_{12}\mu_{22}\mu_{15} \\
& -3\mu_{20}\mu_{30}\mu_{12}\mu_{13}\mu_{24} + 3\mu_{20}\mu_{30}\mu_{12}\mu_{04}\mu_{33} + \mu_{20}\mu_{30}\mu_{03}\mu_{40}\mu_{06} \\
& -\mu_{20}\mu_{30}\mu_{03}\mu_{31}\mu_{15} + \mu_{20}\mu_{30}\mu_{03}\mu_{13}\mu_{33} - \mu_{20}\mu_{30}\mu_{03}\mu_{04}\mu_{42} \\
& -9\mu_{20}\mu_{21}^2\mu_{22}\mu_{15} + 9\mu_{20}\mu_{21}^2\mu_{13}\mu_{24} + 9\mu_{20}\mu_{21}\mu_{12}\mu_{31}\mu_{15} \\
& -9\mu_{20}\mu_{21}\mu_{12}\mu_{13}\mu_{33} - 3\mu_{20}\mu_{21}\mu_{03}\mu_{40}\mu_{15} + 3\mu_{20}\mu_{21}\mu_{03}\mu_{31}\mu_{24} \\
& -3\mu_{20}\mu_{21}\mu_{03}\mu_{22}\mu_{33} + 3\mu_{20}\mu_{21}\mu_{03}\mu_{13}\mu_{42} - 9\mu_{20}\mu_{12}^2\mu_{31}\mu_{24} \\
& +9\mu_{20}\mu_{12}^2\mu_{22}\mu_{33} + 3\mu_{20}\mu_{12}\mu_{03}\mu_{40}\mu_{24} - 3\mu_{20}\mu_{12}\mu_{03}\mu_{22}\mu_{42} \\
& -\mu_{20}\mu_{03}^2\mu_{40}\mu_{33} + \mu_{20}\mu_{03}^2\mu_{31}\mu_{42} + 2\mu_{11}\mu_{30}^2\mu_{13}\mu_{15} - 2\mu_{11}\mu_{30}^2\mu_{04}\mu_{24} \\
& -6\mu_{11}\mu_{30}\mu_{21}\mu_{22}\mu_{15} + 6\mu_{11}\mu_{30}\mu_{21}\mu_{04}\mu_{33} + 6\mu_{11}\mu_{30}\mu_{12}\mu_{31}\mu_{15} \\
& -6\mu_{11}\mu_{30}\mu_{12}\mu_{22}\mu_{24} + 6\mu_{11}\mu_{30}\mu_{12}\mu_{13}\mu_{33} - 6\mu_{11}\mu_{30}\mu_{12}\mu_{04}\mu_{42} \\
& -2\mu_{11}\mu_{30}\mu_{03}\mu_{40}\mu_{15} + 2\mu_{11}\mu_{30}\mu_{03}\mu_{31}\mu_{24} - 2\mu_{11}\mu_{30}\mu_{03}\mu_{13}\mu_{42} \\
& +2\mu_{11}\mu_{30}\mu_{03}\mu_{04}\mu_{51} + 18\mu_{11}\mu_{21}^2\mu_{22}\mu_{24} - 18\mu_{11}\mu_{21}^2\mu_{13}\mu_{33} \\
& -18\mu_{11}\mu_{21}\mu_{12}\mu_{31}\mu_{24} + 18\mu_{11}\mu_{21}\mu_{12}\mu_{13}\mu_{42} + 6\mu_{11}\mu_{21}\mu_{03}\mu_{40}\mu_{24} \\
& -6\mu_{11}\mu_{21}\mu_{03}\mu_{31}\mu_{33} + 6\mu_{11}\mu_{21}\mu_{03}\mu_{22}\mu_{42} - 6\mu_{11}\mu_{21}\mu_{03}\mu_{13}\mu_{51} \\
& +18\mu_{11}\mu_{12}^2\mu_{31}\mu_{33} - 18\mu_{11}\mu_{12}^2\mu_{22}\mu_{42} - 6\mu_{11}\mu_{12}\mu_{03}\mu_{40}\mu_{33} \\
& +6\mu_{11}\mu_{12}\mu_{03}\mu_{22}\mu_{51} + 2\mu_{11}\mu_{03}^2\mu_{40}\mu_{42} - 2\mu_{11}\mu_{03}^2\mu_{31}\mu_{51} \\
& -\mu_{02}\mu_{30}^2\mu_{13}\mu_{24} + \mu_{02}\mu_{30}^2\mu_{04}\mu_{33} + 3\mu_{02}\mu_{30}\mu_{21}\mu_{22}\mu_{24} \\
& -3\mu_{02}\mu_{30}\mu_{21}\mu_{04}\mu_{42} - 3\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{24} + 3\mu_{02}\mu_{30}\mu_{12}\mu_{22}\mu_{33} \\
& -3\mu_{02}\mu_{30}\mu_{12}\mu_{13}\mu_{42} + 3\mu_{02}\mu_{30}\mu_{12}\mu_{04}\mu_{51} + \mu_{02}\mu_{30}\mu_{03}\mu_{40}\mu_{24} \\
& -\mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{33} + \mu_{02}\mu_{30}\mu_{03}\mu_{13}\mu_{51} - \mu_{02}\mu_{30}\mu_{03}\mu_{04}\mu_{60} \\
& -9\mu_{02}\mu_{21}^2\mu_{22}\mu_{33} + 9\mu_{02}\mu_{21}^2\mu_{13}\mu_{42} + 9\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{33} \\
& -9\mu_{02}\mu_{21}\mu_{12}\mu_{13}\mu_{51} - 3\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{33} + 3\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{42} \\
& -3\mu_{02}\mu_{21}\mu_{03}\mu_{22}\mu_{51} + 3\mu_{02}\mu_{21}\mu_{03}\mu_{13}\mu_{60} - 9\mu_{02}\mu_{12}^2\mu_{31}\mu_{42} \\
& +9\mu_{02}\mu_{12}^2\mu_{22}\mu_{51} + 3\mu_{02}\mu_{12}\mu_{03}\mu_{40}\mu_{42} - 3\mu_{02}\mu_{12}\mu_{03}\mu_{22}\mu_{60} \\
& -\mu_{02}\mu_{03}^2\mu_{40}\mu_{51} + \mu_{02}\mu_{03}^2\mu_{31}\mu_{60})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 1,2,1,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



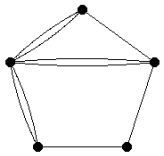
$$
\begin{aligned}
I_{170} \;=\; & (-\mu_{20}\mu_{30}\mu_{21}\mu_{22}\mu_{06} + 2\mu_{20}\mu_{30}\mu_{21}\mu_{13}\mu_{15} - \mu_{20}\mu_{30}\mu_{21}\mu_{04}\mu_{24} \\
& +2\mu_{20}\mu_{30}\mu_{12}\mu_{22}\mu_{15} - 4\mu_{20}\mu_{30}\mu_{12}\mu_{13}\mu_{24} + 2\mu_{20}\mu_{30}\mu_{12}\mu_{04}\mu_{33} \\
& -\mu_{20}\mu_{30}\mu_{03}\mu_{22}\mu_{24} + 2\mu_{20}\mu_{30}\mu_{03}\mu_{13}\mu_{33} - \mu_{20}\mu_{30}\mu_{03}\mu_{04}\mu_{42} \\
& +\mu_{20}\mu_{21}^2\mu_{31}\mu_{06} - 3\mu_{20}\mu_{21}^2\mu_{13}\mu_{24} + 2\mu_{20}\mu_{21}^2\mu_{04}\mu_{33} \\
& -4\mu_{20}\mu_{21}\mu_{12}\mu_{31}\mu_{15} + 3\mu_{20}\mu_{21}\mu_{12}\mu_{22}\mu_{24} + 6\mu_{20}\mu_{21}\mu_{12}\mu_{13}\mu_{33} \\
& -5\mu_{20}\mu_{21}\mu_{12}\mu_{04}\mu_{42} + 2\mu_{20}\mu_{21}\mu_{03}\mu_{31}\mu_{24} - 2\mu_{20}\mu_{21}\mu_{03}\mu_{22}\mu_{33} \\
& -2\mu_{20}\mu_{21}\mu_{03}\mu_{13}\mu_{42} + 2\mu_{20}\mu_{21}\mu_{03}\mu_{04}\mu_{51} + 4\mu_{20}\mu_{12}^2\mu_{31}\mu_{24} \\
& -6\mu_{20}\mu_{12}^2\mu_{22}\mu_{33} + 2\mu_{20}\mu_{12}^2\mu_{04}\mu_{51} - 4\mu_{20}\mu_{12}\mu_{03}\mu_{31}\mu_{33} \\
& +7\mu_{20}\mu_{12}\mu_{03}\mu_{22}\mu_{42} - 2\mu_{20}\mu_{12}\mu_{03}\mu_{13}\mu_{51} - \mu_{20}\mu_{12}\mu_{03}\mu_{04}\mu_{60} \\
& +\mu_{20}\mu_{03}^2\mu_{31}\mu_{42} - 2\mu_{20}\mu_{03}^2\mu_{22}\mu_{51} + \mu_{20}\mu_{03}^2\mu_{13}\mu_{60} + \mu_{11}\mu_{30}^2\mu_{22}\mu_{06} \\
& -2\mu_{11}\mu_{30}^2\mu_{13}\mu_{15} + \mu_{11}\mu_{30}^2\mu_{04}\mu_{24} - 4\mu_{11}\mu_{30}\mu_{21}\mu_{22}\mu_{15} \\
& +8\mu_{11}\mu_{30}\mu_{21}\mu_{13}\mu_{24} - 4\mu_{11}\mu_{30}\mu_{21}\mu_{04}\mu_{33} + 2\mu_{11}\mu_{30}\mu_{12}\mu_{22}\mu_{24} \\
& -4\mu_{11}\mu_{30}\mu_{12}\mu_{13}\mu_{33} + 2\mu_{11}\mu_{30}\mu_{12}\mu_{04}\mu_{42} - \mu_{11}\mu_{21}^2\mu_{40}\mu_{06} \\
& +2\mu_{11}\mu_{21}^2\mu_{31}\mu_{15} + 3\mu_{11}\mu_{21}^2\mu_{22}\mu_{24} - 8\mu_{11}\mu_{21}^2\mu_{13}\mu_{33} + 4\mu_{11}\mu_{21}^2\mu_{04}\mu_{42} \\
& +4\mu_{11}\mu_{21}\mu_{12}\mu_{40}\mu_{15} - 8\mu_{11}\mu_{21}\mu_{12}\mu_{31}\mu_{24} + 8\mu_{11}\mu_{21}\mu_{12}\mu_{13}\mu_{42} \\
& -4\mu_{11}\mu_{21}\mu_{12}\mu_{04}\mu_{51} - 2\mu_{11}\mu_{21}\mu_{03}\mu_{40}\mu_{24} + 4\mu_{11}\mu_{21}\mu_{03}\mu_{31}\mu_{33} \\
& -2\mu_{11}\mu_{21}\mu_{03}\mu_{22}\mu_{42} - 4\mu_{11}\mu_{12}^2\mu_{40}\mu_{24} + 8\mu_{11}\mu_{12}^2\mu_{31}\mu_{33} \\
& -3\mu_{11}\mu_{12}^2\mu_{22}\mu_{42} - 2\mu_{11}\mu_{12}^2\mu_{13}\mu_{51} + \mu_{11}\mu_{12}^2\mu_{04}\mu_{60} \\
& +4\mu_{11}\mu_{12}\mu_{03}\mu_{40}\mu_{33} - 8\mu_{11}\mu_{12}\mu_{03}\mu_{31}\mu_{42} + 4\mu_{11}\mu_{12}\mu_{03}\mu_{22}\mu_{51} \\
& -\mu_{11}\mu_{03}^2\mu_{40}\mu_{42} + 2\mu_{11}\mu_{03}^2\mu_{31}\mu_{51} - \mu_{11}\mu_{03}^2\mu_{22}\mu_{60} - \mu_{02}\mu_{30}^2\mu_{31}\mu_{06} \\
& +2\mu_{02}\mu_{30}^2\mu_{22}\mu_{15} - \mu_{02}\mu_{30}^2\mu_{13}\mu_{24} + \mu_{02}\mu_{30}\mu_{21}\mu_{40}\mu_{06} \\
& +2\mu_{02}\mu_{30}\mu_{21}\mu_{31}\mu_{15} - 7\mu_{02}\mu_{30}\mu_{21}\mu_{22}\mu_{24} + 4\mu_{02}\mu_{30}\mu_{21}\mu_{13}\mu_{33} \\
& -2\mu_{02}\mu_{30}\mu_{12}\mu_{40}\mu_{15} + 2\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{24} + 2\mu_{02}\mu_{30}\mu_{12}\mu_{22}\mu_{33} \\
& -2\mu_{02}\mu_{30}\mu_{12}\mu_{13}\mu_{42} + \mu_{02}\mu_{30}\mu_{03}\mu_{40}\mu_{24} - 2\mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{33} \\
& +\mu_{02}\mu_{30}\mu_{03}\mu_{22}\mu_{42} - 2\mu_{02}\mu_{21}^2\mu_{40}\mu_{15} + 6\mu_{02}\mu_{21}^2\mu_{22}\mu_{33} \\
& -4\mu_{02}\mu_{21}^2\mu_{13}\mu_{42} + 5\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{24} - 6\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{33} \\
& -3\mu_{02}\mu_{21}\mu_{12}\mu_{22}\mu_{42} + 4\mu_{02}\mu_{21}\mu_{12}\mu_{13}\mu_{51} - 2\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{33} \\
& +4\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{42} - 2\mu_{02}\mu_{21}\mu_{03}\mu_{22}\mu_{51} - 2\mu_{02}\mu_{12}^2\mu_{40}\mu_{33} \\
& +3\mu_{02}\mu_{12}^2\mu_{31}\mu_{42} - \mu_{02}\mu_{12}^2\mu_{13}\mu_{60} + \mu_{02}\mu_{12}\mu_{03}\mu_{40}\mu_{42} \\
& -2\mu_{02}\mu_{12}\mu_{03}\mu_{31}\mu_{51} + \mu_{02}\mu_{12}\mu_{03}\mu_{22}\mu_{60})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 1,2,1,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |



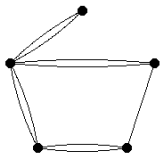
$$
\begin{aligned}
I_{171} \;=\; & (-2\mu_{20}\mu_{30}\mu_{12}\mu_{31}\mu_{06} + 6\mu_{20}\mu_{30}\mu_{12}\mu_{22}\mu_{15} - 6\mu_{20}\mu_{30}\mu_{12}\mu_{13}\mu_{24} \\
& +2\mu_{20}\mu_{30}\mu_{12}\mu_{04}\mu_{33} + \mu_{20}\mu_{30}\mu_{03}\mu_{40}\mu_{06} - 2\mu_{20}\mu_{30}\mu_{03}\mu_{31}\mu_{15} \\
& +2\mu_{20}\mu_{30}\mu_{03}\mu_{13}\mu_{33} - \mu_{20}\mu_{30}\mu_{03}\mu_{04}\mu_{42} + 2\mu_{20}\mu_{21}^2\mu_{31}\mu_{06} \\
& -6\mu_{20}\mu_{21}^2\mu_{22}\mu_{15} + 6\mu_{20}\mu_{21}^2\mu_{13}\mu_{24} - 2\mu_{20}\mu_{21}^2\mu_{04}\mu_{33} \\
& -\mu_{20}\mu_{21}\mu_{12}\mu_{40}\mu_{06} + 2\mu_{20}\mu_{21}\mu_{12}\mu_{31}\mu_{15} - 2\mu_{20}\mu_{21}\mu_{12}\mu_{13}\mu_{33} \\
& +\mu_{20}\mu_{21}\mu_{12}\mu_{04}\mu_{42} - 2\mu_{20}\mu_{21}\mu_{03}\mu_{40}\mu_{15} + 6\mu_{20}\mu_{21}\mu_{03}\mu_{31}\mu_{24} \\
& -6\mu_{20}\mu_{21}\mu_{03}\mu_{22}\mu_{33} + 2\mu_{20}\mu_{21}\mu_{03}\mu_{13}\mu_{42} + 2\mu_{20}\mu_{12}^2\mu_{40}\mu_{15} \\
& -6\mu_{20}\mu_{12}^2\mu_{31}\mu_{24} + 6\mu_{20}\mu_{12}^2\mu_{22}\mu_{33} - 2\mu_{20}\mu_{12}^2\mu_{13}\mu_{42} \\
& +4\mu_{11}\mu_{30}\mu_{12}\mu_{31}\mu_{15} - 12\mu_{11}\mu_{30}\mu_{12}\mu_{22}\mu_{24} + 12\mu_{11}\mu_{30}\mu_{12}\mu_{13}\mu_{33} \\
& -4\mu_{11}\mu_{30}\mu_{12}\mu_{04}\mu_{42} - 2\mu_{11}\mu_{30}\mu_{03}\mu_{40}\mu_{15} + 4\mu_{11}\mu_{30}\mu_{03}\mu_{31}\mu_{24} \\
& -4\mu_{11}\mu_{30}\mu_{03}\mu_{13}\mu_{42} + 2\mu_{11}\mu_{30}\mu_{03}\mu_{04}\mu_{51} - 4\mu_{11}\mu_{21}^2\mu_{31}\mu_{15} \\
& +12\mu_{11}\mu_{21}^2\mu_{22}\mu_{24} - 12\mu_{11}\mu_{21}^2\mu_{13}\mu_{33} + 4\mu_{11}\mu_{21}^2\mu_{04}\mu_{42} \\
& +2\mu_{11}\mu_{21}\mu_{12}\mu_{40}\mu_{15} - 4\mu_{11}\mu_{21}\mu_{12}\mu_{31}\mu_{24} + 4\mu_{11}\mu_{21}\mu_{12}\mu_{13}\mu_{42} \\
& -2\mu_{11}\mu_{21}\mu_{12}\mu_{04}\mu_{51} + 4\mu_{11}\mu_{21}\mu_{03}\mu_{40}\mu_{24} - 12\mu_{11}\mu_{21}\mu_{03}\mu_{31}\mu_{33} \\
& +12\mu_{11}\mu_{21}\mu_{03}\mu_{22}\mu_{42} - 4\mu_{11}\mu_{21}\mu_{03}\mu_{13}\mu_{51} - 4\mu_{11}\mu_{12}^2\mu_{40}\mu_{24} \\
& +12\mu_{11}\mu_{12}^2\mu_{31}\mu_{33} - 12\mu_{11}\mu_{12}^2\mu_{22}\mu_{42} + 4\mu_{11}\mu_{12}^2\mu_{13}\mu_{51} \\
& -2\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{24} + 6\mu_{02}\mu_{30}\mu_{12}\mu_{22}\mu_{33} - 6\mu_{02}\mu_{30}\mu_{12}\mu_{13}\mu_{42} \\
& +2\mu_{02}\mu_{30}\mu_{12}\mu_{04}\mu_{51} + \mu_{02}\mu_{30}\mu_{03}\mu_{40}\mu_{24} - 2\mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{33} \\
& +2\mu_{02}\mu_{30}\mu_{03}\mu_{13}\mu_{51} - \mu_{02}\mu_{30}\mu_{03}\mu_{04}\mu_{60} + 2\mu_{02}\mu_{21}^2\mu_{31}\mu_{24} \\
& -6\mu_{02}\mu_{21}^2\mu_{22}\mu_{33} + 6\mu_{02}\mu_{21}^2\mu_{13}\mu_{42} - 2\mu_{02}\mu_{21}^2\mu_{04}\mu_{51} \\
& -\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{24} + 2\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{33} - 2\mu_{02}\mu_{21}\mu_{12}\mu_{13}\mu_{51} \\
& +\mu_{02}\mu_{21}\mu_{12}\mu_{04}\mu_{60} - 2\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{33} + 6\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{42} \\
& -6\mu_{02}\mu_{21}\mu_{03}\mu_{22}\mu_{51} + 2\mu_{02}\mu_{21}\mu_{03}\mu_{13}\mu_{60} + 2\mu_{02}\mu_{12}^2\mu_{40}\mu_{33} \\
& -6\mu_{02}\mu_{12}^2\mu_{31}\mu_{42} + 6\mu_{02}\mu_{12}^2\mu_{22}\mu_{51} - 2\mu_{02}\mu_{12}^2\mu_{13}\mu_{60})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 1,2,1,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



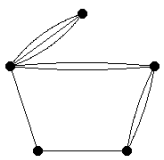
$$
\begin{aligned}
I_{172} \;=\; & (\mu_{20}\mu_{30}\mu_{21}\mu_{22}\mu_{06} - 2\mu_{20}\mu_{30}\mu_{21}\mu_{13}\mu_{15} + \mu_{20}\mu_{30}\mu_{21}\mu_{04}\mu_{24} \\
& -2\mu_{20}\mu_{30}\mu_{12}\mu_{31}\mu_{06} + 4\mu_{20}\mu_{30}\mu_{12}\mu_{22}\mu_{15} - 2\mu_{20}\mu_{30}\mu_{12}\mu_{13}\mu_{24} \\
& +\mu_{20}\mu_{30}\mu_{03}\mu_{40}\mu_{06} - 2\mu_{20}\mu_{30}\mu_{03}\mu_{31}\mu_{15} + \mu_{20}\mu_{30}\mu_{03}\mu_{22}\mu_{24} \\
& -3\mu_{20}\mu_{21}^2\mu_{22}\mu_{15} + 6\mu_{20}\mu_{21}^2\mu_{13}\mu_{24} - 3\mu_{20}\mu_{21}^2\mu_{04}\mu_{33} \\
& +6\mu_{20}\mu_{21}\mu_{12}\mu_{31}\mu_{15} - 9\mu_{20}\mu_{21}\mu_{12}\mu_{22}\mu_{24} + 3\mu_{20}\mu_{21}\mu_{12}\mu_{04}\mu_{42} \\
& -3\mu_{20}\mu_{21}\mu_{03}\mu_{40}\mu_{15} + 6\mu_{20}\mu_{21}\mu_{03}\mu_{31}\mu_{24} - 4\mu_{20}\mu_{21}\mu_{03}\mu_{22}\mu_{33} \\
& +2\mu_{20}\mu_{21}\mu_{03}\mu_{13}\mu_{42} - \mu_{20}\mu_{21}\mu_{03}\mu_{04}\mu_{51} - 6\mu_{20}\mu_{12}^2\mu_{31}\mu_{24} \\
& +12\mu_{20}\mu_{12}^2\mu_{22}\mu_{33} - 6\mu_{20}\mu_{12}^2\mu_{13}\mu_{42} + 3\mu_{20}\mu_{12}\mu_{03}\mu_{40}\mu_{24} \\
& -4\mu_{20}\mu_{12}\mu_{03}\mu_{31}\mu_{33} - \mu_{20}\mu_{12}\mu_{03}\mu_{22}\mu_{42} + 2\mu_{20}\mu_{12}\mu_{03}\mu_{13}\mu_{51} \\
& -\mu_{20}\mu_{03}^2\mu_{40}\mu_{33} + 2\mu_{20}\mu_{03}^2\mu_{31}\mu_{42} - \mu_{20}\mu_{03}^2\mu_{22}\mu_{51} - \mu_{11}\mu_{30}^2\mu_{22}\mu_{06} \\
& +2\mu_{11}\mu_{30}^2\mu_{13}\mu_{15} - \mu_{11}\mu_{30}^2\mu_{04}\mu_{24} + 2\mu_{11}\mu_{30}\mu_{21}\mu_{31}\mu_{06} \\
& -2\mu_{11}\mu_{30}\mu_{21}\mu_{22}\mu_{15} - 2\mu_{11}\mu_{30}\mu_{21}\mu_{13}\mu_{24} + 2\mu_{11}\mu_{30}\mu_{21}\mu_{04}\mu_{33} \\
& -\mu_{11}\mu_{30}\mu_{12}\mu_{40}\mu_{06} + 4\mu_{11}\mu_{30}\mu_{12}\mu_{31}\mu_{15} - 8\mu_{11}\mu_{30}\mu_{12}\mu_{22}\mu_{24} \\
& +8\mu_{11}\mu_{30}\mu_{12}\mu_{13}\mu_{33} - 3\mu_{11}\mu_{30}\mu_{12}\mu_{04}\mu_{42} - \mu_{11}\mu_{30}\mu_{03}\mu_{40}\mu_{15} \\
& +2\mu_{11}\mu_{30}\mu_{03}\mu_{31}\mu_{24} - 2\mu_{11}\mu_{30}\mu_{03}\mu_{13}\mu_{42} + \mu_{11}\mu_{30}\mu_{03}\mu_{04}\mu_{51} \\
& -6\mu_{11}\mu_{21}^2\mu_{31}\mu_{15} + 15\mu_{11}\mu_{21}^2\mu_{22}\mu_{24} - 12\mu_{11}\mu_{21}^2\mu_{13}\mu_{33} + 3\mu_{11}\mu_{21}^2\mu_{04}\mu_{42} \\
& +3\mu_{11}\mu_{21}\mu_{12}\mu_{40}\mu_{15} - 6\mu_{11}\mu_{21}\mu_{12}\mu_{31}\mu_{24} + 6\mu_{11}\mu_{21}\mu_{12}\mu_{13}\mu_{42} \\
& -3\mu_{11}\mu_{21}\mu_{12}\mu_{04}\mu_{51} + 3\mu_{11}\mu_{21}\mu_{03}\mu_{40}\mu_{24} - 8\mu_{11}\mu_{21}\mu_{03}\mu_{31}\mu_{33} \\
& +8\mu_{11}\mu_{21}\mu_{03}\mu_{22}\mu_{42} - 4\mu_{11}\mu_{21}\mu_{03}\mu_{13}\mu_{51} + \mu_{11}\mu_{21}\mu_{03}\mu_{04}\mu_{60} \\
& -3\mu_{11}\mu_{12}^2\mu_{40}\mu_{24} + 12\mu_{11}\mu_{12}^2\mu_{31}\mu_{33} - 15\mu_{11}\mu_{12}^2\mu_{22}\mu_{42} + 6\mu_{11}\mu_{12}^2\mu_{13}\mu_{51} \\
& -2\mu_{11}\mu_{12}\mu_{03}\mu_{40}\mu_{33} + 2\mu_{11}\mu_{12}\mu_{03}\mu_{31}\mu_{42} + 2\mu_{11}\mu_{12}\mu_{03}\mu_{22}\mu_{51} \\
& -2\mu_{11}\mu_{12}\mu_{03}\mu_{13}\mu_{60} + \mu_{11}\mu_{03}^2\mu_{40}\mu_{42} - 2\mu_{11}\mu_{03}^2\mu_{31}\mu_{51} \\
& +\mu_{11}\mu_{03}^2\mu_{22}\mu_{60} + \mu_{02}\mu_{30}^2\mu_{22}\mu_{15} - 2\mu_{02}\mu_{30}^2\mu_{13}\mu_{24} + \mu_{02}\mu_{30}^2\mu_{04}\mu_{33} \\
& -2\mu_{02}\mu_{30}\mu_{21}\mu_{31}\mu_{15} + \mu_{02}\mu_{30}\mu_{21}\mu_{22}\mu_{24} + 4\mu_{02}\mu_{30}\mu_{21}\mu_{13}\mu_{33} \\
& -3\mu_{02}\mu_{30}\mu_{21}\mu_{04}\mu_{42} + \mu_{02}\mu_{30}\mu_{12}\mu_{40}\mu_{15} - 2\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{24} \\
& +4\mu_{02}\mu_{30}\mu_{12}\mu_{22}\mu_{33} - 6\mu_{02}\mu_{30}\mu_{12}\mu_{13}\mu_{42} + 3\mu_{02}\mu_{30}\mu_{12}\mu_{04}\mu_{51} \\
& -\mu_{02}\mu_{30}\mu_{03}\mu_{22}\mu_{42} + 2\mu_{02}\mu_{30}\mu_{03}\mu_{13}\mu_{51} - \mu_{02}\mu_{30}\mu_{03}\mu_{04}\mu_{60} \\
& +6\mu_{02}\mu_{21}^2\mu_{31}\mu_{24} - 12\mu_{02}\mu_{21}^2\mu_{22}\mu_{33} + 6\mu_{02}\mu_{21}^2\mu_{13}\mu_{42} \\
& -3\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{24} + 9\mu_{02}\mu_{21}\mu_{12}\mu_{22}\mu_{42} - 6\mu_{02}\mu_{21}\mu_{12}\mu_{13}\mu_{51} \\
& +2\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{42} - 4\mu_{02}\mu_{21}\mu_{03}\mu_{22}\mu_{51} + 2\mu_{02}\mu_{21}\mu_{03}\mu_{13}\mu_{60} \\
& +3\mu_{02}\mu_{12}^2\mu_{40}\mu_{33} - 6\mu_{02}\mu_{12}^2\mu_{31}\mu_{42} + 3\mu_{02}\mu_{12}^2\mu_{22}\mu_{51} \\
& -\mu_{02}\mu_{12}\mu_{03}\mu_{40}\mu_{42} + 2\mu_{02}\mu_{12}\mu_{03}\mu_{31}\mu_{51} - \mu_{02}\mu_{12}\mu_{03}\mu_{22}\mu_{60})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 1,2,1,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 2 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |



$$
\begin{aligned}
I_{173} \;=\; & (\mu_{20}^2\mu_{30}\mu_{21}\mu_{13}\mu_{06} - \mu_{20}^2\mu_{30}\mu_{21}\mu_{04}\mu_{15} - 2\mu_{20}^2\mu_{30}\mu_{12}\mu_{13}\mu_{15} \\
& +2\mu_{20}^2\mu_{30}\mu_{12}\mu_{04}\mu_{24} + \mu_{20}^2\mu_{30}\mu_{03}\mu_{13}\mu_{24} - \mu_{20}^2\mu_{30}\mu_{03}\mu_{04}\mu_{33} \\
& -3\mu_{20}^2\mu_{21}^2\mu_{13}\mu_{15} + 3\mu_{20}^2\mu_{21}^2\mu_{04}\mu_{24} + 9\mu_{20}^2\mu_{21}\mu_{12}\mu_{13}\mu_{24} \\
& -9\mu_{20}^2\mu_{21}\mu_{12}\mu_{04}\mu_{33} - 4\mu_{20}^2\mu_{21}\mu_{03}\mu_{13}\mu_{33} + 4\mu_{20}^2\mu_{21}\mu_{03}\mu_{04}\mu_{42} \\
& -6\mu_{20}^2\mu_{12}^2\mu_{13}\mu_{33} + 6\mu_{20}^2\mu_{12}^2\mu_{04}\mu_{42} + 5\mu_{20}^2\mu_{12}\mu_{03}\mu_{13}\mu_{42} \\
& -5\mu_{20}^2\mu_{12}\mu_{03}\mu_{04}\mu_{51} - \mu_{20}^2\mu_{03}^2\mu_{13}\mu_{51} + \mu_{20}^2\mu_{03}^2\mu_{04}\mu_{60} \\
& -\mu_{20}\mu_{11}\mu_{30}^2\mu_{13}\mu_{06} + \mu_{20}\mu_{11}\mu_{30}^2\mu_{04}\mu_{15} - 3\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{22}\mu_{06} \\
& +8\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{13}\mu_{15} - 5\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{04}\mu_{24} \\
& +6\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{22}\mu_{15} - 10\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{13}\mu_{24} \\
& +4\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{04}\mu_{33} - 3\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{22}\mu_{24} \\
& +4\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{13}\mu_{33} - \mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{04}\mu_{42} \\
& +9\mu_{20}\mu_{11}\mu_{21}^2\mu_{22}\mu_{15} - 15\mu_{20}\mu_{11}\mu_{21}^2\mu_{13}\mu_{24} + 6\mu_{20}\mu_{11}\mu_{21}^2\mu_{04}\mu_{33} \\
& -27\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{22}\mu_{24} + 36\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{13}\mu_{33} \\
& -9\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{04}\mu_{42} + 12\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{22}\mu_{33} \\
& -14\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{13}\mu_{42} + 2\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{04}\mu_{51} \\
& +18\mu_{20}\mu_{11}\mu_{12}^2\mu_{22}\mu_{33} - 21\mu_{20}\mu_{11}\mu_{12}^2\mu_{13}\mu_{42} + 3\mu_{20}\mu_{11}\mu_{12}^2\mu_{04}\mu_{51} \\
& -15\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{22}\mu_{42} + 16\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{13}\mu_{51} \\
& -\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{04}\mu_{60} + 3\mu_{20}\mu_{11}\mu_{03}^2\mu_{22}\mu_{51} - 3\mu_{20}\mu_{11}\mu_{03}^2\mu_{13}\mu_{60} \\
& +\mu_{20}\mu_{02}\mu_{30}^2\mu_{22}\mu_{06} - \mu_{20}\mu_{02}\mu_{30}^2\mu_{13}\mu_{15} + \mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{31}\mu_{06} \\
& -6\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{22}\mu_{15} + 5\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{13}\mu_{24} \\
& -2\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{15} + 6\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{22}\mu_{24} \\
& -4\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{13}\mu_{33} + \mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{24} \\
& -2\mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{22}\mu_{33} + \mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{13}\mu_{42} \\
& -3\mu_{20}\mu_{02}\mu_{21}^2\mu_{31}\mu_{15} + 9\mu_{20}\mu_{02}\mu_{21}^2\mu_{22}\mu_{24} - 6\mu_{20}\mu_{02}\mu_{21}^2\mu_{13}\mu_{33} \\
& +9\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{24} - 18\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{22}\mu_{33} \\
& +9\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{13}\mu_{42} - 4\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{33} \\
& +6\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{22}\mu_{42} - 2\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{13}\mu_{51} \\
& -6\mu_{20}\mu_{02}\mu_{12}^2\mu_{31}\mu_{33} + 9\mu_{20}\mu_{02}\mu_{12}^2\mu_{22}\mu_{42} - 3\mu_{20}\mu_{02}\mu_{12}^2\mu_{13}\mu_{51} \\
& +5\mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{31}\mu_{42} - 6\mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{22}\mu_{51} \\
& +\mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{13}\mu_{60} - \mu_{20}\mu_{02}\mu_{03}^2\mu_{31}\mu_{51} + \mu_{20}\mu_{02}\mu_{03}^2\mu_{22}\mu_{60} \\
& +2\mu_{11}^2\mu_{30}^2\mu_{22}\mu_{06} - 2\mu_{11}^2\mu_{30}^2\mu_{13}\mu_{15} + 2\mu_{11}^2\mu_{30}\mu_{21}\mu_{31}\mu_{06} \\
& -12\mu_{11}^2\mu_{30}\mu_{21}\mu_{22}\mu_{15} + 10\mu_{11}^2\mu_{30}\mu_{21}\mu_{13}\mu_{24} - 4\mu_{11}^2\mu_{30}\mu_{12}\mu_{31}\mu_{15} \\
& +12\mu_{11}^2\mu_{30}\mu_{12}\mu_{22}\mu_{24} - 8\mu_{11}^2\mu_{30}\mu_{12}\mu_{13}\mu_{33} + 2\mu_{11}^2\mu_{30}\mu_{03}\mu_{31}\mu_{24} \\
& -4\mu_{11}^2\mu_{30}\mu_{03}\mu_{22}\mu_{33} + 2\mu_{11}^2\mu_{30}\mu_{03}\mu_{13}\mu_{42} - 6\mu_{11}^2\mu_{21}^2\mu_{31}\mu_{15} \\
& +18\mu_{11}^2\mu_{21}^2\mu_{22}\mu_{24} - 12\mu_{11}^2\mu_{21}^2\mu_{13}\mu_{33} + 18\mu_{11}^2\mu_{21}\mu_{12}\mu_{31}\mu_{24} \\
& -36\mu_{11}^2\mu_{21}\mu_{12}\mu_{22}\mu_{33} + 18\mu_{11}^2\mu_{21}\mu_{12}\mu_{13}\mu_{42} - 8\mu_{11}^2\mu_{21}\mu_{03}\mu_{31}\mu_{33} \\
& +12\mu_{11}^2\mu_{21}\mu_{03}\mu_{22}\mu_{42} - 4\mu_{11}^2\mu_{21}\mu_{03}\mu_{13}\mu_{51} - 12\mu_{11}^2\mu_{12}^2\mu_{31}\mu_{33} \\
& +18\mu_{11}^2\mu_{12}^2\mu_{22}\mu_{42} - 6\mu_{11}^2\mu_{12}^2\mu_{13}\mu_{51} + 10\mu_{11}^2\mu_{12}\mu_{03}\mu_{31}\mu_{42} \\
& -12\mu_{11}^2\mu_{12}\mu_{03}\mu_{22}\mu_{51} + 2\mu_{11}^2\mu_{12}\mu_{03}\mu_{13}\mu_{60} - 2\mu_{11}^2\mu_{03}^2\mu_{31}\mu_{51} \\
& +2\mu_{11}^2\mu_{03}^2\mu_{22}\mu_{60} - 3\mu_{11}\mu_{02}\mu_{30}^2\mu_{31}\mu_{06} + 3\mu_{11}\mu_{02}\mu_{30}^2\mu_{22}\mu_{15} \\
& -\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{40}\mu_{06} + 16\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{31}\mu_{15} \\
& -15\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{22}\mu_{24} + 2\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{40}\mu_{15} \\
& -14\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{24} + 12\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{22}\mu_{33} \\
& -\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{40}\mu_{24} + 4\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{33} \\
& -3\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{22}\mu_{42} + 3\mu_{11}\mu_{02}\mu_{21}^2\mu_{40}\mu_{15} - 21\mu_{11}\mu_{02}\mu_{21}^2\mu_{31}\mu_{24} \\
& +18\mu_{11}\mu_{02}\mu_{21}^2\mu_{22}\mu_{33} - 9\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{24}
\end{aligned}
$$

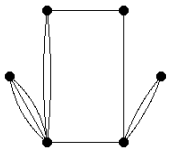
$$+36\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{33} - 27\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{22}\mu_{42}$$
$$+4\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{33} - 10\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{42}$$
$$+6\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{22}\mu_{51} + 6\mu_{11}\mu_{02}\mu_{12}^2\mu_{40}\mu_{33} - 15\mu_{11}\mu_{02}\mu_{12}^2\mu_{31}\mu_{42}$$
$$+9\mu_{11}\mu_{02}\mu_{12}^2\mu_{22}\mu_{51} - 5\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{40}\mu_{42}$$
$$+8\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{31}\mu_{51} - 3\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{22}\mu_{60}$$
$$+\mu_{11}\mu_{02}\mu_{03}^2\mu_{40}\mu_{51} - \mu_{11}\mu_{02}\mu_{03}^2\mu_{31}\mu_{60} + \mu_{02}^2\mu_{30}^2\mu_{40}\mu_{06}$$
$$-\mu_{02}^2\mu_{30}^2\mu_{31}\mu_{15} - 5\mu_{02}^2\mu_{30}\mu_{21}\mu_{40}\mu_{15} + 5\mu_{02}^2\mu_{30}\mu_{21}\mu_{31}\mu_{24}$$
$$+4\mu_{02}^2\mu_{30}\mu_{12}\mu_{40}\mu_{24} - 4\mu_{02}^2\mu_{30}\mu_{12}\mu_{31}\mu_{33} - \mu_{02}^2\mu_{30}\mu_{03}\mu_{40}\mu_{33}$$
$$+\mu_{02}^2\mu_{30}\mu_{03}\mu_{31}\mu_{42} + 6\mu_{02}^2\mu_{21}^2\mu_{40}\mu_{24} - 6\mu_{02}^2\mu_{21}^2\mu_{31}\mu_{33}$$
$$-9\mu_{02}^2\mu_{21}\mu_{12}\mu_{40}\mu_{33} + 9\mu_{02}^2\mu_{21}\mu_{12}\mu_{31}\mu_{42} + 2\mu_{02}^2\mu_{21}\mu_{03}\mu_{40}\mu_{42}$$
$$-2\mu_{02}^2\mu_{21}\mu_{03}\mu_{31}\mu_{51} + 3\mu_{02}^2\mu_{12}^2\mu_{40}\mu_{42} - 3\mu_{02}^2\mu_{12}^2\mu_{31}\mu_{51}$$
$$-\mu_{02}^2\mu_{12}\mu_{03}\mu_{40}\mu_{51} + \mu_{02}^2\mu_{12}\mu_{03}\mu_{31}\mu_{60})/\mu_{00}^{16}$$

weight=10

structure: 2,2,1,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 |



$$
\begin{aligned}
I_{174} \;=\; & (\mu_{20}^2\mu_{30}\mu_{21}\mu_{13}\mu_{06} - \mu_{20}^2\mu_{30}\mu_{21}\mu_{04}\mu_{15} - 2\mu_{20}^2\mu_{30}\mu_{12}\mu_{13}\mu_{15} \\
& +2\mu_{20}^2\mu_{30}\mu_{12}\mu_{04}\mu_{24} + \mu_{20}^2\mu_{30}\mu_{03}\mu_{13}\mu_{24} - \mu_{20}^2\mu_{30}\mu_{03}\mu_{04}\mu_{33} \\
& -2\mu_{20}^2\mu_{21}^2\mu_{22}\mu_{06} + \mu_{20}^2\mu_{21}^2\mu_{13}\mu_{15} + \mu_{20}^2\mu_{21}^2\mu_{04}\mu_{24} \\
& +\mu_{20}^2\mu_{21}\mu_{12}\mu_{31}\mu_{06} + 5\mu_{20}^2\mu_{21}\mu_{12}\mu_{22}\mu_{15} - 4\mu_{20}^2\mu_{21}\mu_{12}\mu_{13}\mu_{24} \\
& -2\mu_{20}^2\mu_{21}\mu_{12}\mu_{04}\mu_{33} - \mu_{20}^2\mu_{21}\mu_{03}\mu_{31}\mu_{15} - \mu_{20}^2\mu_{21}\mu_{03}\mu_{22}\mu_{24} \\
& +\mu_{20}^2\mu_{21}\mu_{03}\mu_{13}\mu_{33} + \mu_{20}^2\mu_{21}\mu_{03}\mu_{04}\mu_{42} - 2\mu_{20}^2\mu_{12}^2\mu_{31}\mu_{15} \\
& -2\mu_{20}^2\mu_{12}^2\mu_{22}\mu_{24} + 4\mu_{20}^2\mu_{12}^2\mu_{13}\mu_{33} + 3\mu_{20}^2\mu_{12}\mu_{03}\mu_{31}\mu_{24} \\
& -\mu_{20}^2\mu_{12}\mu_{03}\mu_{22}\mu_{33} - 2\mu_{20}^2\mu_{12}\mu_{03}\mu_{13}\mu_{42} - \mu_{20}^2\mu_{03}^2\mu_{31}\mu_{33} \\
& +\mu_{20}^2\mu_{03}^2\mu_{22}\mu_{42} - \mu_{20}\mu_{11}\mu_{30}^2\mu_{13}\mu_{06} + \mu_{20}\mu_{11}\mu_{30}^2\mu_{04}\mu_{15} \\
& +\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{22}\mu_{06} - \mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{04}\mu_{24} \\
& -\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{31}\mu_{06} + \mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{22}\mu_{15} \\
& +3\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{13}\mu_{24} - 3\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{04}\mu_{33} \\
& +\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{31}\mu_{15} - 2\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{22}\mu_{24} \\
& -\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{13}\mu_{33} + 2\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{04}\mu_{42} \\
& +2\mu_{20}\mu_{11}\mu_{21}^2\mu_{31}\mu_{06} - \mu_{20}\mu_{11}\mu_{21}^2\mu_{22}\mu_{15} - \mu_{20}\mu_{11}\mu_{21}^2\mu_{13}\mu_{24} \\
& -\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{40}\mu_{06} - 5\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{31}\mu_{15} \\
& -2\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{22}\mu_{24} + 5\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{13}\mu_{33} \\
& +3\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{04}\mu_{42} + \mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{40}\mu_{15} \\
& +\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{31}\mu_{24} + 3\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{22}\mu_{33} \\
& -3\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{13}\mu_{42} - 2\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{04}\mu_{51} \\
& +2\mu_{20}\mu_{11}\mu_{12}^2\mu_{40}\mu_{15} + 5\mu_{20}\mu_{11}\mu_{12}^2\mu_{31}\mu_{24} - \mu_{20}\mu_{11}\mu_{12}^2\mu_{22}\mu_{33} \\
& -6\mu_{20}\mu_{11}\mu_{12}^2\mu_{13}\mu_{42} - 3\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{40}\mu_{24} \\
& -4\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{31}\mu_{33} + 3\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{22}\mu_{42} \\
& +4\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{13}\mu_{51} + \mu_{20}\mu_{11}\mu_{03}^2\mu_{40}\mu_{33} + \mu_{20}\mu_{11}\mu_{03}^2\mu_{31}\mu_{42} \\
& -2\mu_{20}\mu_{11}\mu_{03}^2\mu_{22}\mu_{51} + \mu_{20}\mu_{02}\mu_{30}^2\mu_{22}\mu_{06} - \mu_{20}\mu_{02}\mu_{30}^2\mu_{13}\mu_{15} \\
& -2\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{31}\mu_{06} - \mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{22}\mu_{15} \\
& +4\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{13}\mu_{24} - \mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{04}\mu_{33} \\
& +\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{40}\mu_{06} + \mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{15} \\
& -\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{22}\mu_{24} - 3\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{13}\mu_{33} \\
& +2\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{04}\mu_{42} - \mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{40}\mu_{15} \\
& +\mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{24} + \mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{13}\mu_{42} \\
& -\mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{04}\mu_{51} + 4\mu_{20}\mu_{02}\mu_{21}^2\mu_{31}\mu_{15} - 4\mu_{20}\mu_{02}\mu_{21}^2\mu_{22}\mu_{24} \\
& -\mu_{20}\mu_{02}\mu_{21}^2\mu_{13}\mu_{33} + \mu_{20}\mu_{02}\mu_{21}^2\mu_{04}\mu_{42} - 2\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{15} \\
& -3\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{24} + 10\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{22}\mu_{33} \\
& -3\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{13}\mu_{42} - 2\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{04}\mu_{51} \\
& +2\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{24} - 3\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{33} \\
& -\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{22}\mu_{42} + \mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{13}\mu_{51} \\
& +\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{04}\mu_{60} + \mu_{20}\mu_{02}\mu_{12}^2\mu_{40}\mu_{24} - \mu_{20}\mu_{02}\mu_{12}^2\mu_{31}\mu_{33} \\
& -4\mu_{20}\mu_{02}\mu_{12}^2\mu_{22}\mu_{42} + 4\mu_{20}\mu_{02}\mu_{12}^2\mu_{13}\mu_{51} - \mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{40}\mu_{33} \\
& +4\mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{31}\mu_{42} - \mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{22}\mu_{51} \\
& -2\mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{13}\mu_{60} - \mu_{20}\mu_{02}\mu_{03}^2\mu_{31}\mu_{51} + \mu_{20}\mu_{02}\mu_{03}^2\mu_{22}\mu_{60} \\
& +2\mu_{11}^2\mu_{30}^2\mu_{13}\mu_{15} - 2\mu_{11}^2\mu_{30}^2\mu_{04}\mu_{24} - 2\mu_{11}^2\mu_{30}\mu_{21}\mu_{22}\mu_{15} \\
& -4\mu_{11}^2\mu_{30}\mu_{21}\mu_{13}\mu_{24} + 6\mu_{11}^2\mu_{30}\mu_{21}\mu_{04}\mu_{33} + 2\mu_{11}^2\mu_{30}\mu_{12}\mu_{31}\mu_{15} \\
& -2\mu_{11}^2\mu_{30}\mu_{12}\mu_{22}\mu_{24} + 2\mu_{11}^2\mu_{30}\mu_{12}\mu_{13}\mu_{33} - 2\mu_{11}^2\mu_{30}\mu_{12}\mu_{04}\mu_{42} \\
& -2\mu_{11}^2\mu_{30}\mu_{03}\mu_{31}\mu_{24} + 4\mu_{11}^2\mu_{30}\mu_{03}\mu_{22}\mu_{33} - 2\mu_{11}^2\mu_{30}\mu_{03}\mu_{13}\mu_{42} \\
& -4\mu_{11}^2\mu_{21}^2\mu_{31}\mu_{15} + 10\mu_{11}^2\mu_{21}^2\mu_{22}\mu_{24} - 2\mu_{11}^2\mu_{21}^2\mu_{13}\mu_{33} - 4\mu_{11}^2\mu_{21}^2\mu_{04}\mu_{42}
\end{aligned}
$$

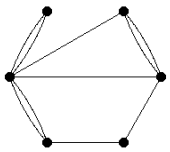
$$+2\mu_{11}^2\mu_{21}\mu_{12}\mu_{40}\mu_{15}+6\mu_{11}^2\mu_{21}\mu_{12}\mu_{31}\mu_{24}-16\mu_{11}^2\mu_{21}\mu_{12}\mu_{22}\mu_{33}$$
$$+6\mu_{11}^2\mu_{21}\mu_{12}\mu_{13}\mu_{42}+2\mu_{11}^2\mu_{21}\mu_{12}\mu_{04}\mu_{51}-2\mu_{11}^2\mu_{21}\mu_{03}\mu_{40}\mu_{24}$$
$$+2\mu_{11}^2\mu_{21}\mu_{03}\mu_{31}\mu_{33}-2\mu_{11}^2\mu_{21}\mu_{03}\mu_{22}\mu_{42}+2\mu_{11}^2\mu_{21}\mu_{03}\mu_{13}\mu_{51}$$
$$-4\mu_{11}^2\mu_{12}^2\mu_{40}\mu_{24}-2\mu_{11}^2\mu_{12}^2\mu_{31}\mu_{33}+10\mu_{11}^2\mu_{12}^2\mu_{22}\mu_{42}-4\mu_{11}^2\mu_{12}^2\mu_{13}\mu_{51}$$
$$+6\mu_{11}^2\mu_{12}\mu_{03}\mu_{40}\mu_{33}-4\mu_{11}^2\mu_{12}\mu_{03}\mu_{31}\mu_{42}-2\mu_{11}^2\mu_{12}\mu_{03}\mu_{22}\mu_{51}$$
$$-2\mu_{11}^2\mu_{03}^2\mu_{40}\mu_{42}+2\mu_{11}^2\mu_{03}^2\mu_{31}\mu_{51}-2\mu_{11}\mu_{02}\mu_{30}^2\mu_{22}\mu_{15}$$
$$+\mu_{11}\mu_{02}\mu_{30}^2\mu_{13}\mu_{24}+\mu_{11}\mu_{02}\mu_{30}^2\mu_{04}\mu_{33}+4\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{31}\mu_{15}$$
$$+3\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{22}\mu_{24}-4\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{13}\mu_{33}$$
$$-3\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{04}\mu_{42}-2\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{40}\mu_{15}$$
$$-3\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{24}+3\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{22}\mu_{33}$$
$$+\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{13}\mu_{42}+\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{04}\mu_{51}$$
$$+2\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{40}\mu_{24}-\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{33}$$
$$-2\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{22}\mu_{42}+\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{13}\mu_{51}$$
$$-6\mu_{11}\mu_{02}\mu_{21}^2\mu_{31}\mu_{24}-\mu_{11}\mu_{02}\mu_{21}^2\mu_{22}\mu_{33}+5\mu_{11}\mu_{02}\mu_{21}^2\mu_{13}\mu_{42}$$
$$+2\mu_{11}\mu_{02}\mu_{21}^2\mu_{04}\mu_{51}+3\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{24}$$
$$+5\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{33}-2\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{22}\mu_{42}$$
$$-5\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{13}\mu_{51}-\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{04}\mu_{60}$$
$$-3\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{33}+3\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{42}$$
$$+\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{22}\mu_{51}-\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{13}\mu_{60}$$
$$-\mu_{11}\mu_{02}\mu_{12}^2\mu_{31}\mu_{42}-\mu_{11}\mu_{02}\mu_{12}^2\mu_{22}\mu_{51}+2\mu_{11}\mu_{02}\mu_{12}^2\mu_{13}\mu_{60}$$
$$-\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{40}\mu_{42}+\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{22}\mu_{60}$$
$$+\mu_{11}\mu_{02}\mu_{03}^2\mu_{40}\mu_{51}-\mu_{11}\mu_{02}\mu_{03}^2\mu_{31}\mu_{60}+\mu_{02}^2\mu_{30}^2\mu_{22}\mu_{24}$$
$$-\mu_{02}^2\mu_{30}^2\mu_{13}\mu_{33}-2\mu_{02}^2\mu_{30}\mu_{21}\mu_{31}\mu_{24}-\mu_{02}^2\mu_{30}\mu_{21}\mu_{22}\mu_{33}$$
$$+3\mu_{02}^2\mu_{30}\mu_{21}\mu_{13}\mu_{42}+\mu_{02}^2\mu_{30}\mu_{12}\mu_{40}\mu_{24}+\mu_{02}^2\mu_{30}\mu_{12}\mu_{31}\mu_{33}$$
$$-\mu_{02}^2\mu_{30}\mu_{12}\mu_{22}\mu_{42}-\mu_{02}^2\mu_{30}\mu_{12}\mu_{13}\mu_{51}-\mu_{02}^2\mu_{30}\mu_{03}\mu_{40}\mu_{33}$$
$$+\mu_{02}^2\mu_{30}\mu_{03}\mu_{31}\mu_{42}+4\mu_{02}^2\mu_{21}^2\mu_{31}\mu_{33}-2\mu_{02}^2\mu_{21}^2\mu_{22}\mu_{42}$$
$$-2\mu_{02}^2\mu_{21}^2\mu_{13}\mu_{51}-2\mu_{02}^2\mu_{21}\mu_{12}\mu_{40}\mu_{33}-4\mu_{02}^2\mu_{21}\mu_{12}\mu_{31}\mu_{42}$$
$$+5\mu_{02}^2\mu_{21}\mu_{12}\mu_{22}\mu_{51}+\mu_{02}^2\mu_{21}\mu_{12}\mu_{13}\mu_{60}+2\mu_{02}^2\mu_{21}\mu_{03}\mu_{40}\mu_{42}$$
$$-2\mu_{02}^2\mu_{21}\mu_{03}\mu_{31}\mu_{51}+\mu_{02}^2\mu_{12}^2\mu_{40}\mu_{42}+\mu_{02}^2\mu_{12}^2\mu_{31}\mu_{51}$$
$$-2\mu_{02}^2\mu_{12}^2\mu_{22}\mu_{60}-\mu_{02}^2\mu_{12}\mu_{03}\mu_{40}\mu_{51}+\mu_{02}^2\mu_{12}\mu_{03}\mu_{31}\mu_{60})/\mu_{00}^{16}$$

weight=10

structure: 2,2,1,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |



$$
\begin{aligned}
I_{175} \;=\; & (2\mu_{20}^2\mu_{30}\mu_{12}\mu_{22}\mu_{06} - 4\mu_{20}^2\mu_{30}\mu_{12}\mu_{13}\mu_{15} + 2\mu_{20}^2\mu_{30}\mu_{12}\mu_{04}\mu_{24} \\
& -\mu_{20}^2\mu_{30}\mu_{03}\mu_{31}\mu_{06} + \mu_{20}^2\mu_{30}\mu_{03}\mu_{22}\mu_{15} + \mu_{20}^2\mu_{30}\mu_{03}\mu_{13}\mu_{24} \\
& -\mu_{20}^2\mu_{30}\mu_{03}\mu_{04}\mu_{33} - 2\mu_{20}^2\mu_{21}^2\mu_{22}\mu_{06} + 4\mu_{20}^2\mu_{21}^2\mu_{13}\mu_{15} \\
& -2\mu_{20}^2\mu_{21}^2\mu_{04}\mu_{24} + \mu_{20}^2\mu_{21}\mu_{12}\mu_{31}\mu_{06} - \mu_{20}^2\mu_{21}\mu_{12}\mu_{22}\mu_{15} \\
& -\mu_{20}^2\mu_{21}\mu_{12}\mu_{13}\mu_{24} + \mu_{20}^2\mu_{21}\mu_{12}\mu_{04}\mu_{33} + 2\mu_{20}^2\mu_{21}\mu_{03}\mu_{31}\mu_{15} \\
& -4\mu_{20}^2\mu_{21}\mu_{03}\mu_{22}\mu_{24} + 2\mu_{20}^2\mu_{21}\mu_{03}\mu_{13}\mu_{33} - 2\mu_{20}^2\mu_{12}^2\mu_{31}\mu_{15} \\
& +4\mu_{20}^2\mu_{12}^2\mu_{22}\mu_{24} - 2\mu_{20}^2\mu_{12}^2\mu_{13}\mu_{33} - 2\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{31}\mu_{06} \\
& -2\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{22}\mu_{15} + 10\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{13}\mu_{24} \\
& -6\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{04}\mu_{33} + \mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{40}\mu_{06} \\
& +2\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{31}\mu_{15} - 4\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{22}\mu_{24} \\
& -2\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{13}\mu_{33} + 3\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{04}\mu_{42} \\
& +2\mu_{20}\mu_{11}\mu_{21}^2\mu_{31}\mu_{06} + 2\mu_{20}\mu_{11}\mu_{21}^2\mu_{22}\mu_{15} - 10\mu_{20}\mu_{11}\mu_{21}^2\mu_{13}\mu_{24} \\
& +6\mu_{20}\mu_{11}\mu_{21}^2\mu_{04}\mu_{33} - \mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{40}\mu_{06} \\
& -2\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{31}\mu_{15} + 4\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{22}\mu_{24} \\
& +2\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{13}\mu_{33} - 3\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{04}\mu_{42} \\
& -2\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{40}\mu_{15} - 2\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{31}\mu_{24} \\
& +10\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{22}\mu_{33} - 6\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{13}\mu_{42} \\
& +2\mu_{20}\mu_{11}\mu_{12}^2\mu_{40}\mu_{15} + 2\mu_{20}\mu_{11}\mu_{12}^2\mu_{31}\mu_{24} - 10\mu_{20}\mu_{11}\mu_{12}^2\mu_{22}\mu_{33} \\
& +6\mu_{20}\mu_{11}\mu_{12}^2\mu_{13}\mu_{42} + 2\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{15} \\
& -2\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{22}\mu_{24} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{13}\mu_{33} \\
& +2\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{04}\mu_{42} - \mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{40}\mu_{15} \\
& +2\mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{22}\mu_{33} - \mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{04}\mu_{51} \\
& -2\mu_{20}\mu_{02}\mu_{21}^2\mu_{31}\mu_{15} + 2\mu_{20}\mu_{02}\mu_{21}^2\mu_{22}\mu_{24} + 2\mu_{20}\mu_{02}\mu_{21}^2\mu_{13}\mu_{33} \\
& -2\mu_{20}\mu_{02}\mu_{21}^2\mu_{04}\mu_{42} + \mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{15} \\
& -2\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{22}\mu_{33} + \mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{04}\mu_{51} \\
& +2\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{24} - 2\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{33} \\
& -2\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{22}\mu_{42} + 2\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{13}\mu_{51} \\
& -2\mu_{20}\mu_{02}\mu_{12}^2\mu_{40}\mu_{24} + 2\mu_{20}\mu_{02}\mu_{12}^2\mu_{31}\mu_{33} + 2\mu_{20}\mu_{02}\mu_{12}^2\mu_{22}\mu_{42} \\
& -2\mu_{20}\mu_{02}\mu_{12}^2\mu_{13}\mu_{51} + 4\mu_{11}^2\mu_{30}\mu_{12}\mu_{31}\mu_{15} - 4\mu_{11}^2\mu_{30}\mu_{12}\mu_{22}\mu_{24} \\
& -4\mu_{11}^2\mu_{30}\mu_{12}\mu_{13}\mu_{33} + 4\mu_{11}^2\mu_{30}\mu_{12}\mu_{04}\mu_{42} - 2\mu_{11}^2\mu_{30}\mu_{03}\mu_{40}\mu_{15} \\
& +4\mu_{11}^2\mu_{30}\mu_{03}\mu_{22}\mu_{33} - 2\mu_{11}^2\mu_{30}\mu_{03}\mu_{04}\mu_{51} - 4\mu_{11}^2\mu_{21}^2\mu_{31}\mu_{15} \\
& +4\mu_{11}^2\mu_{21}^2\mu_{22}\mu_{24} + 4\mu_{11}^2\mu_{21}^2\mu_{13}\mu_{33} - 4\mu_{11}^2\mu_{21}^2\mu_{04}\mu_{42} \\
& +2\mu_{11}^2\mu_{21}\mu_{12}\mu_{40}\mu_{15} - 4\mu_{11}^2\mu_{21}\mu_{12}\mu_{22}\mu_{33} + 2\mu_{11}^2\mu_{21}\mu_{12}\mu_{04}\mu_{51} \\
& +4\mu_{11}^2\mu_{21}\mu_{03}\mu_{40}\mu_{24} - 4\mu_{11}^2\mu_{21}\mu_{03}\mu_{31}\mu_{33} - 4\mu_{11}^2\mu_{21}\mu_{03}\mu_{22}\mu_{42} \\
& +4\mu_{11}^2\mu_{21}\mu_{03}\mu_{13}\mu_{51} - 4\mu_{11}^2\mu_{12}^2\mu_{40}\mu_{24} + 4\mu_{11}^2\mu_{12}^2\mu_{31}\mu_{33} \\
& +4\mu_{11}^2\mu_{12}^2\mu_{22}\mu_{42} - 4\mu_{11}^2\mu_{12}^2\mu_{13}\mu_{51} - 6\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{24} \\
& +10\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{22}\mu_{33} - 2\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{13}\mu_{42} \\
& -2\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{04}\mu_{51} + 3\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{40}\mu_{24} \\
& -2\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{33} - 4\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{22}\mu_{42} \\
& +2\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{13}\mu_{51} + \mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{04}\mu_{60} \\
& +6\mu_{11}\mu_{02}\mu_{21}^2\mu_{31}\mu_{24} - 10\mu_{11}\mu_{02}\mu_{21}^2\mu_{22}\mu_{33} + 2\mu_{11}\mu_{02}\mu_{21}^2\mu_{13}\mu_{42} \\
& +2\mu_{11}\mu_{02}\mu_{21}^2\mu_{04}\mu_{51} - 3\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{24} \\
& +2\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{33} + 4\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{22}\mu_{42} \\
& -2\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{13}\mu_{51} - \mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{04}\mu_{60} \\
& -6\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{33} + 10\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{42} \\
& -2\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{22}\mu_{51} - 2\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{13}\mu_{60}
\end{aligned}
$$

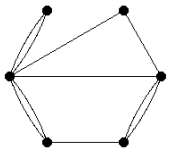
$$+6\mu_{11}\mu_{02}\mu_{12}^2\mu_{40}\mu_{33} - 10\mu_{11}\mu_{02}\mu_{12}^2\mu_{31}\mu_{42} + 2\mu_{11}\mu_{02}\mu_{12}^2\mu_{22}\mu_{51}$$
$$+2\mu_{11}\mu_{02}\mu_{12}^2\mu_{13}\mu_{60} + 2\mu_{02}^2\mu_{30}\mu_{12}\mu_{31}\mu_{33} - 4\mu_{02}^2\mu_{30}\mu_{12}\mu_{22}\mu_{42}$$
$$+2\mu_{02}^2\mu_{30}\mu_{12}\mu_{13}\mu_{51} - \mu_{02}^2\mu_{30}\mu_{03}\mu_{40}\mu_{33} + \mu_{02}^2\mu_{30}\mu_{03}\mu_{31}\mu_{42}$$
$$+\mu_{02}^2\mu_{30}\mu_{03}\mu_{22}\mu_{51} - \mu_{02}^2\mu_{30}\mu_{03}\mu_{13}\mu_{60} - 2\mu_{02}^2\mu_{21}^2\mu_{31}\mu_{33}$$
$$+4\mu_{02}^2\mu_{21}^2\mu_{22}\mu_{42} - 2\mu_{02}^2\mu_{21}^2\mu_{13}\mu_{51} + \mu_{02}^2\mu_{21}\mu_{12}\mu_{40}\mu_{33}$$
$$-\mu_{02}^2\mu_{21}\mu_{12}\mu_{31}\mu_{42} - \mu_{02}^2\mu_{21}\mu_{12}\mu_{22}\mu_{51} + \mu_{02}^2\mu_{21}\mu_{12}\mu_{13}\mu_{60}$$
$$+2\mu_{02}^2\mu_{21}\mu_{03}\mu_{40}\mu_{42} - 4\mu_{02}^2\mu_{21}\mu_{03}\mu_{31}\mu_{51} + 2\mu_{02}^2\mu_{21}\mu_{03}\mu_{22}\mu_{60}$$
$$-2\mu_{02}^2\mu_{12}^2\mu_{40}\mu_{42} + 4\mu_{02}^2\mu_{12}^2\mu_{31}\mu_{51} - 2\mu_{02}^2\mu_{12}^2\mu_{22}\mu_{60})/\mu_{00}^{16}$$

weight=10

structure: 2,2,1,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 6 |



$$
\begin{aligned}
I_{176} \;=\; & (-\mu_{20}^2\mu_{30}\mu_{21}\mu_{13}\mu_{06} + \mu_{20}^2\mu_{30}\mu_{21}\mu_{04}\mu_{15} + 2\mu_{20}^2\mu_{30}\mu_{12}\mu_{22}\mu_{06} \\
& -2\mu_{20}^2\mu_{30}\mu_{12}\mu_{13}\mu_{15} - \mu_{20}^2\mu_{30}\mu_{03}\mu_{31}\mu_{06} + \mu_{20}^2\mu_{30}\mu_{03}\mu_{22}\mu_{15} \\
& +\mu_{20}^2\mu_{21}^2\mu_{22}\mu_{06} + \mu_{20}^2\mu_{21}^2\mu_{13}\mu_{15} - 2\mu_{20}^2\mu_{21}^2\mu_{04}\mu_{24} \\
& -2\mu_{20}^2\mu_{21}\mu_{12}\mu_{31}\mu_{06} - 4\mu_{20}^2\mu_{21}\mu_{12}\mu_{22}\mu_{15} + 5\mu_{20}^2\mu_{21}\mu_{12}\mu_{13}\mu_{24} \\
& +\mu_{20}^2\mu_{21}\mu_{12}\mu_{04}\mu_{33} + \mu_{20}^2\mu_{21}\mu_{03}\mu_{40}\mu_{06} + \mu_{20}^2\mu_{21}\mu_{03}\mu_{31}\mu_{15} \\
& -\mu_{20}^2\mu_{21}\mu_{03}\mu_{22}\mu_{24} - \mu_{20}^2\mu_{21}\mu_{03}\mu_{13}\mu_{33} + 4\mu_{20}^2\mu_{12}^2\mu_{31}\mu_{15} \\
& -2\mu_{20}^2\mu_{12}^2\mu_{22}\mu_{24} - 2\mu_{20}^2\mu_{12}^2\mu_{13}\mu_{33} - 2\mu_{20}^2\mu_{12}\mu_{03}\mu_{40}\mu_{15} \\
& -\mu_{20}^2\mu_{12}\mu_{03}\mu_{31}\mu_{24} + 3\mu_{20}^2\mu_{12}\mu_{03}\mu_{22}\mu_{33} + \mu_{20}^2\mu_{03}^2\mu_{40}\mu_{24} \\
& -\mu_{20}^2\mu_{03}^2\mu_{31}\mu_{33} + \mu_{20}\mu_{11}\mu_{30}^2\mu_{13}\mu_{06} - \mu_{20}\mu_{11}\mu_{30}^2\mu_{04}\mu_{15} \\
& -3\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{22}\mu_{06} + 4\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{13}\mu_{15} \\
& -\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{04}\mu_{24} + \mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{31}\mu_{06} \\
& -5\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{22}\mu_{15} + 5\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{13}\mu_{24} \\
& -\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{04}\mu_{33} + 3\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{31}\mu_{15} \\
& -4\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{22}\mu_{24} + \mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{13}\mu_{33} \\
& +2\mu_{20}\mu_{11}\mu_{21}^2\mu_{31}\mu_{06} - \mu_{20}\mu_{11}\mu_{21}^2\mu_{22}\mu_{15} - 7\mu_{20}\mu_{11}\mu_{21}^2\mu_{13}\mu_{24} \\
& +6\mu_{20}\mu_{11}\mu_{21}^2\mu_{04}\mu_{33} - \mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{40}\mu_{06} \\
& +\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{31}\mu_{15} + 16\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{22}\mu_{24} \\
& -13\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{13}\mu_{33} - 3\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{04}\mu_{42} \\
& -3\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{40}\mu_{15} - \mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{31}\mu_{24} \\
& +\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{22}\mu_{33} + 3\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{13}\mu_{42} \\
& +2\mu_{20}\mu_{11}\mu_{12}^2\mu_{40}\mu_{15} - 13\mu_{20}\mu_{11}\mu_{12}^2\mu_{31}\mu_{24} + 5\mu_{20}\mu_{11}\mu_{12}^2\mu_{22}\mu_{33} \\
& +6\mu_{20}\mu_{11}\mu_{12}^2\mu_{13}\mu_{42} + 5\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{40}\mu_{24} \\
& +4\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{31}\mu_{33} - 9\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{22}\mu_{42} \\
& -3\mu_{20}\mu_{11}\mu_{03}^2\mu_{40}\mu_{33} + 3\mu_{20}\mu_{11}\mu_{03}^2\mu_{31}\mu_{42} - \mu_{20}\mu_{02}\mu_{30}^2\mu_{13}\mu_{15} \\
& +\mu_{20}\mu_{02}\mu_{30}^2\mu_{04}\mu_{24} + 3\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{22}\mu_{15} \\
& -2\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{13}\mu_{24} - \mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{04}\mu_{33} \\
& -\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{15} + \mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{22}\mu_{24} \\
& -\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{13}\mu_{33} + \mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{04}\mu_{42} \\
& -\mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{24} + 2\mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{22}\mu_{33} \\
& -\mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{13}\mu_{42} - 2\mu_{20}\mu_{02}\mu_{21}^2\mu_{31}\mu_{15} - \mu_{20}\mu_{02}\mu_{21}^2\mu_{22}\mu_{24} \\
& +5\mu_{20}\mu_{02}\mu_{21}^2\mu_{13}\mu_{33} - 2\mu_{20}\mu_{02}\mu_{21}^2\mu_{04}\mu_{42} + \mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{15} \\
& +3\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{24} - 8\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{22}\mu_{33} \\
& +3\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{13}\mu_{42} + \mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{04}\mu_{51} \\
& +\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{24} - \mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{33} \\
& +\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{22}\mu_{42} - \mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{13}\mu_{51} \\
& -2\mu_{20}\mu_{02}\mu_{12}^2\mu_{40}\mu_{24} + 5\mu_{20}\mu_{02}\mu_{12}^2\mu_{31}\mu_{33} - \mu_{20}\mu_{02}\mu_{12}^2\mu_{22}\mu_{42} \\
& -2\mu_{20}\mu_{02}\mu_{12}^2\mu_{13}\mu_{51} - \mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{40}\mu_{33} \\
& -2\mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{31}\mu_{42} + 3\mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{22}\mu_{51} \\
& +\mu_{20}\mu_{02}\mu_{03}^2\mu_{40}\mu_{42} - \mu_{20}\mu_{02}\mu_{03}^2\mu_{31}\mu_{51} - 2\mu_{11}^2\mu_{30}^2\mu_{13}\mu_{15} \\
& +2\mu_{11}^2\mu_{30}^2\mu_{04}\mu_{24} + 6\mu_{11}^2\mu_{30}\mu_{21}\mu_{22}\mu_{15} - 4\mu_{11}^2\mu_{30}\mu_{21}\mu_{13}\mu_{24} \\
& -2\mu_{11}^2\mu_{30}\mu_{21}\mu_{04}\mu_{33} - 2\mu_{11}^2\mu_{30}\mu_{12}\mu_{31}\mu_{15} + 2\mu_{11}^2\mu_{30}\mu_{12}\mu_{22}\mu_{24} \\
& -2\mu_{11}^2\mu_{30}\mu_{12}\mu_{13}\mu_{33} + 2\mu_{11}^2\mu_{30}\mu_{12}\mu_{04}\mu_{42} - 2\mu_{11}^2\mu_{30}\mu_{03}\mu_{31}\mu_{24} \\
& +4\mu_{11}^2\mu_{30}\mu_{03}\mu_{22}\mu_{33} - 2\mu_{11}^2\mu_{30}\mu_{03}\mu_{13}\mu_{42} - 4\mu_{11}^2\mu_{21}^2\mu_{31}\mu_{15} \\
& -2\mu_{11}^2\mu_{21}^2\mu_{22}\mu_{24} + 10\mu_{11}^2\mu_{21}^2\mu_{13}\mu_{33} - 4\mu_{11}^2\mu_{21}^2\mu_{04}\mu_{42} \\
& +2\mu_{11}^2\mu_{21}\mu_{12}\mu_{40}\mu_{15} + 6\mu_{11}^2\mu_{21}\mu_{12}\mu_{31}\mu_{24} - 16\mu_{11}^2\mu_{21}\mu_{12}\mu_{22}\mu_{33} \\
& +6\mu_{11}^2\mu_{21}\mu_{12}\mu_{13}\mu_{42} + 2\mu_{11}^2\mu_{21}\mu_{12}\mu_{04}\mu_{51} + 2\mu_{11}^2\mu_{21}\mu_{03}\mu_{40}\mu_{24}
\end{aligned}
$$

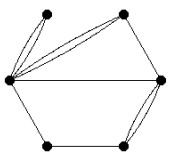
$$-2\mu_{11}^2\mu_{21}\mu_{03}\mu_{31}\mu_{33}+2\mu_{11}^2\mu_{21}\mu_{03}\mu_{22}\mu_{42}-2\mu_{11}^2\mu_{21}\mu_{03}\mu_{13}\mu_{51}$$
$$-4\mu_{11}^2\mu_{12}^2\mu_{40}\mu_{24}+10\mu_{11}^2\mu_{12}^2\mu_{31}\mu_{33}-2\mu_{11}^2\mu_{12}^2\mu_{22}\mu_{42}-4\mu_{11}^2\mu_{12}^2\mu_{13}\mu_{51}$$
$$-2\mu_{11}^2\mu_{12}\mu_{03}\mu_{40}\mu_{33}-4\mu_{11}^2\mu_{12}\mu_{03}\mu_{31}\mu_{42}+6\mu_{11}^2\mu_{12}\mu_{03}\mu_{22}\mu_{51}$$
$$+2\mu_{11}^2\mu_{03}^2\mu_{40}\mu_{42}-2\mu_{11}^2\mu_{03}^2\mu_{31}\mu_{51}+3\mu_{11}\mu_{02}\mu_{30}^2\mu_{13}\mu_{24}$$
$$-3\mu_{11}\mu_{02}\mu_{30}^2\mu_{04}\mu_{33}-9\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{22}\mu_{24}$$
$$+4\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{13}\mu_{33}+5\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{04}\mu_{42}$$
$$+3\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{24}+\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{22}\mu_{33}$$
$$-\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{13}\mu_{42}-3\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{04}\mu_{51}$$
$$+\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{33}-4\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{22}\mu_{42}$$
$$+3\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{13}\mu_{51}+6\mu_{11}\mu_{02}\mu_{21}^2\mu_{31}\mu_{24}+5\mu_{11}\mu_{02}\mu_{21}^2\mu_{22}\mu_{33}$$
$$-13\mu_{11}\mu_{02}\mu_{21}^2\mu_{13}\mu_{42}+2\mu_{11}\mu_{02}\mu_{21}^2\mu_{04}\mu_{51}-3\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{24}$$
$$-13\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{33}+16\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{22}\mu_{42}$$
$$+\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{13}\mu_{51}-\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{04}\mu_{60}$$
$$-\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{33}+5\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{42}$$
$$-5\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{22}\mu_{51}+\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{13}\mu_{60}$$
$$+6\mu_{11}\mu_{02}\mu_{12}^2\mu_{40}\mu_{33}-7\mu_{11}\mu_{02}\mu_{12}^2\mu_{31}\mu_{42}-\mu_{11}\mu_{02}\mu_{12}^2\mu_{22}\mu_{51}$$
$$+2\mu_{11}\mu_{02}\mu_{12}^2\mu_{13}\mu_{60}-\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{40}\mu_{42}$$
$$+4\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{31}\mu_{51}-3\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{22}\mu_{60}$$
$$-\mu_{11}\mu_{02}\mu_{03}^2\mu_{40}\mu_{51}+\mu_{11}\mu_{02}\mu_{03}^2\mu_{31}\mu_{60}-\mu_{02}^2\mu_{30}^2\mu_{13}\mu_{33}$$
$$+\mu_{02}^2\mu_{30}^2\mu_{04}\mu_{42}+3\mu_{02}^2\mu_{30}\mu_{21}\mu_{22}\mu_{33}-\mu_{02}^2\mu_{30}\mu_{21}\mu_{13}\mu_{42}$$
$$-2\mu_{02}^2\mu_{30}\mu_{21}\mu_{04}\mu_{51}-\mu_{02}^2\mu_{30}\mu_{12}\mu_{31}\mu_{33}-\mu_{02}^2\mu_{30}\mu_{12}\mu_{22}\mu_{42}$$
$$+\mu_{02}^2\mu_{30}\mu_{12}\mu_{13}\mu_{51}+\mu_{02}^2\mu_{30}\mu_{12}\mu_{04}\mu_{60}+\mu_{02}^2\mu_{30}\mu_{03}\mu_{22}\mu_{51}$$
$$-\mu_{02}^2\mu_{30}\mu_{03}\mu_{13}\mu_{60}-2\mu_{02}^2\mu_{21}^2\mu_{31}\mu_{33}-2\mu_{02}^2\mu_{21}^2\mu_{22}\mu_{42}$$
$$+4\mu_{02}^2\mu_{21}^2\mu_{13}\mu_{51}+\mu_{02}^2\mu_{21}\mu_{12}\mu_{40}\mu_{33}+5\mu_{02}^2\mu_{21}\mu_{12}\mu_{31}\mu_{42}$$
$$-4\mu_{02}^2\mu_{21}\mu_{12}\mu_{22}\mu_{51}-2\mu_{02}^2\mu_{21}\mu_{12}\mu_{13}\mu_{60}-2\mu_{02}^2\mu_{21}\mu_{03}\mu_{31}\mu_{51}$$
$$+2\mu_{02}^2\mu_{21}\mu_{03}\mu_{22}\mu_{60}-2\mu_{02}^2\mu_{12}^2\mu_{40}\mu_{42}+\mu_{02}^2\mu_{12}^2\mu_{31}\mu_{51}$$
$$+\mu_{02}^2\mu_{12}^2\mu_{22}\mu_{60}+\mu_{02}^2\mu_{12}\mu_{03}\mu_{40}\mu_{51}-\mu_{02}^2\mu_{12}\mu_{03}\mu_{31}\mu_{60})/\mu_{00}^{16}$$

weight=10

structure: 2,2,1,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 |



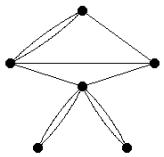
$$
\begin{aligned}
I_{177} \;=\; & (\mu_{20}^2\mu_{30}\mu_{12}\mu_{22}\mu_{06} - 2\mu_{20}^2\mu_{30}\mu_{12}\mu_{13}\mu_{15} + \mu_{20}^2\mu_{30}\mu_{12}\mu_{04}\mu_{24} \\
& -\mu_{20}^2\mu_{30}\mu_{03}\mu_{31}\mu_{06} + 2\mu_{20}^2\mu_{30}\mu_{03}\mu_{22}\mu_{15} - \mu_{20}^2\mu_{30}\mu_{03}\mu_{13}\mu_{24} \\
& -\mu_{20}^2\mu_{21}^2\mu_{22}\mu_{06} + 2\mu_{20}^2\mu_{21}^2\mu_{13}\mu_{15} - \mu_{20}^2\mu_{21}^2\mu_{04}\mu_{24} \\
& +\mu_{20}^2\mu_{21}\mu_{12}\mu_{31}\mu_{06} - 2\mu_{20}^2\mu_{21}\mu_{12}\mu_{22}\mu_{15} + \mu_{20}^2\mu_{21}\mu_{12}\mu_{13}\mu_{24} \\
& +\mu_{20}^2\mu_{21}\mu_{03}\mu_{40}\mu_{06} - 2\mu_{20}^2\mu_{21}\mu_{03}\mu_{31}\mu_{15} + \mu_{20}^2\mu_{21}\mu_{03}\mu_{22}\mu_{24} \\
& -\mu_{20}^2\mu_{12}^2\mu_{40}\mu_{06} + 2\mu_{20}^2\mu_{12}^2\mu_{31}\mu_{15} - \mu_{20}^2\mu_{12}^2\mu_{22}\mu_{24} \\
& -4\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{22}\mu_{15} + 8\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{13}\mu_{24} \\
& -4\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{04}\mu_{33} + 4\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{31}\mu_{15} \\
& -8\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{22}\mu_{24} + 4\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{13}\mu_{33} \\
& +4\mu_{20}\mu_{11}\mu_{21}^2\mu_{22}\mu_{15} - 8\mu_{20}\mu_{11}\mu_{21}^2\mu_{13}\mu_{24} + 4\mu_{20}\mu_{11}\mu_{21}^2\mu_{04}\mu_{33} \\
& -4\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{31}\mu_{15} + 8\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{22}\mu_{24} \\
& -4\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{13}\mu_{33} - 4\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{40}\mu_{15} \\
& +8\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{31}\mu_{24} - 4\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{22}\mu_{33} \\
& +4\mu_{20}\mu_{11}\mu_{12}^2\mu_{40}\mu_{15} - 8\mu_{20}\mu_{11}\mu_{12}^2\mu_{31}\mu_{24} + 4\mu_{20}\mu_{11}\mu_{12}^2\mu_{22}\mu_{33} \\
& +2\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{22}\mu_{24} - 4\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{13}\mu_{33} \\
& +2\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{04}\mu_{42} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{24} \\
& +4\mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{22}\mu_{33} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{13}\mu_{42} \\
& -2\mu_{20}\mu_{02}\mu_{21}^2\mu_{22}\mu_{24} + 4\mu_{20}\mu_{02}\mu_{21}^2\mu_{13}\mu_{33} - 2\mu_{20}\mu_{02}\mu_{21}^2\mu_{04}\mu_{42} \\
& +2\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{24} - 4\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{22}\mu_{33} \\
& +2\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{13}\mu_{42} + 2\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{24} \\
& -4\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{33} + 2\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{22}\mu_{42} \\
& -2\mu_{20}\mu_{02}\mu_{12}^2\mu_{40}\mu_{24} + 4\mu_{20}\mu_{02}\mu_{12}^2\mu_{31}\mu_{33} - 2\mu_{20}\mu_{02}\mu_{12}^2\mu_{22}\mu_{42} \\
& +4\mu_{11}^2\mu_{30}\mu_{12}\mu_{22}\mu_{24} - 8\mu_{11}^2\mu_{30}\mu_{12}\mu_{13}\mu_{33} + 4\mu_{11}^2\mu_{30}\mu_{12}\mu_{04}\mu_{42} \\
& -4\mu_{11}^2\mu_{30}\mu_{03}\mu_{31}\mu_{24} + 8\mu_{11}^2\mu_{30}\mu_{03}\mu_{22}\mu_{33} - 4\mu_{11}^2\mu_{30}\mu_{03}\mu_{13}\mu_{42} \\
& -4\mu_{11}^2\mu_{21}^2\mu_{22}\mu_{24} + 8\mu_{11}^2\mu_{21}^2\mu_{13}\mu_{33} - 4\mu_{11}^2\mu_{21}^2\mu_{04}\mu_{42} \\
& +4\mu_{11}^2\mu_{21}\mu_{12}\mu_{31}\mu_{24} - 8\mu_{11}^2\mu_{21}\mu_{12}\mu_{22}\mu_{33} + 4\mu_{11}^2\mu_{21}\mu_{12}\mu_{13}\mu_{42} \\
& +4\mu_{11}^2\mu_{21}\mu_{03}\mu_{40}\mu_{24} - 8\mu_{11}^2\mu_{21}\mu_{03}\mu_{31}\mu_{33} + 4\mu_{11}^2\mu_{21}\mu_{03}\mu_{22}\mu_{42} \\
& -4\mu_{11}^2\mu_{12}^2\mu_{40}\mu_{24} + 8\mu_{11}^2\mu_{12}^2\mu_{31}\mu_{33} - 4\mu_{11}^2\mu_{12}^2\mu_{22}\mu_{42} \\
& -4\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{22}\mu_{33} + 8\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{13}\mu_{42} \\
& -4\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{04}\mu_{51} + 4\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{33} \\
& -8\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{22}\mu_{42} + 4\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{13}\mu_{51} \\
& +4\mu_{11}\mu_{02}\mu_{21}^2\mu_{22}\mu_{33} - 8\mu_{11}\mu_{02}\mu_{21}^2\mu_{13}\mu_{42} + 4\mu_{11}\mu_{02}\mu_{21}^2\mu_{04}\mu_{51} \\
& -4\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{33} + 8\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{22}\mu_{42} \\
& -4\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{13}\mu_{51} - 4\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{33} \\
& +8\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{42} - 4\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{22}\mu_{51} \\
& +4\mu_{11}\mu_{02}\mu_{12}^2\mu_{40}\mu_{33} - 8\mu_{11}\mu_{02}\mu_{12}^2\mu_{31}\mu_{42} + 4\mu_{11}\mu_{02}\mu_{12}^2\mu_{22}\mu_{51} \\
& +\mu_{02}^2\mu_{30}\mu_{12}\mu_{22}\mu_{42} - 2\mu_{02}^2\mu_{30}\mu_{12}\mu_{13}\mu_{51} + \mu_{02}^2\mu_{30}\mu_{12}\mu_{04}\mu_{60} \\
& -\mu_{02}^2\mu_{30}\mu_{03}\mu_{31}\mu_{42} + 2\mu_{02}^2\mu_{30}\mu_{03}\mu_{22}\mu_{51} - \mu_{02}^2\mu_{30}\mu_{03}\mu_{13}\mu_{60} \\
& -\mu_{02}^2\mu_{21}^2\mu_{22}\mu_{42} + 2\mu_{02}^2\mu_{21}^2\mu_{13}\mu_{51} - \mu_{02}^2\mu_{21}^2\mu_{04}\mu_{60} \\
& +\mu_{02}^2\mu_{21}\mu_{12}\mu_{31}\mu_{42} - 2\mu_{02}^2\mu_{21}\mu_{12}\mu_{22}\mu_{51} + \mu_{02}^2\mu_{21}\mu_{12}\mu_{13}\mu_{60} \\
& +\mu_{02}^2\mu_{21}\mu_{03}\mu_{40}\mu_{42} - 2\mu_{02}^2\mu_{21}\mu_{03}\mu_{31}\mu_{51} + \mu_{02}^2\mu_{21}\mu_{03}\mu_{22}\mu_{60} \\
& -\mu_{02}^2\mu_{12}^2\mu_{40}\mu_{42} + 2\mu_{02}^2\mu_{12}^2\mu_{31}\mu_{51} - \mu_{02}^2\mu_{12}^2\mu_{22}\mu_{60})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 2,2,1,0,1

Generating graph:

| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 5 |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 6 |



$$
\begin{aligned}
I_{178} \;=\; & (\mu_{20}^2\mu_{30}\mu_{12}\mu_{22}\mu_{06} - 2\mu_{20}^2\mu_{30}\mu_{12}\mu_{13}\mu_{15} + \mu_{20}^2\mu_{30}\mu_{12}\mu_{04}\mu_{24} \\
& -\mu_{20}^2\mu_{30}\mu_{03}\mu_{22}\mu_{15} + 2\mu_{20}^2\mu_{30}\mu_{03}\mu_{13}\mu_{24} - \mu_{20}^2\mu_{30}\mu_{03}\mu_{04}\mu_{33} \\
& -3\mu_{20}^2\mu_{21}\mu_{12}\mu_{22}\mu_{15} + 6\mu_{20}^2\mu_{21}\mu_{12}\mu_{13}\mu_{24} - 3\mu_{20}^2\mu_{21}\mu_{12}\mu_{04}\mu_{33} \\
& +3\mu_{20}^2\mu_{21}\mu_{03}\mu_{22}\mu_{24} - 6\mu_{20}^2\mu_{21}\mu_{03}\mu_{13}\mu_{33} + 3\mu_{20}^2\mu_{21}\mu_{03}\mu_{04}\mu_{42} \\
& +3\mu_{20}^2\mu_{12}^2\mu_{22}\mu_{24} - 6\mu_{20}^2\mu_{12}^2\mu_{13}\mu_{33} + 3\mu_{20}^2\mu_{12}^2\mu_{04}\mu_{42} \\
& -4\mu_{20}^2\mu_{12}\mu_{03}\mu_{22}\mu_{33} + 8\mu_{20}^2\mu_{12}\mu_{03}\mu_{13}\mu_{42} - 4\mu_{20}^2\mu_{12}\mu_{03}\mu_{04}\mu_{51} \\
& +\mu_{20}^2\mu_{03}^2\mu_{22}\mu_{42} - 2\mu_{20}^2\mu_{03}^2\mu_{13}\mu_{51} + \mu_{20}^2\mu_{03}^2\mu_{04}\mu_{60} \\
& -2\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{22}\mu_{06} + 4\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{13}\mu_{15} \\
& -2\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{04}\mu_{24} - 2\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{31}\mu_{06} \\
& +6\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{22}\mu_{15} - 6\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{13}\mu_{24} \\
& +2\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{04}\mu_{33} + 2\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{31}\mu_{15} \\
& -4\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{22}\mu_{24} + 2\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{13}\mu_{33} \\
& +6\mu_{20}\mu_{11}\mu_{21}^2\mu_{22}\mu_{15} - 12\mu_{20}\mu_{11}\mu_{21}^2\mu_{13}\mu_{24} + 6\mu_{20}\mu_{11}\mu_{21}^2\mu_{04}\mu_{33} \\
& +6\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{31}\mu_{15} - 24\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{22}\mu_{24} \\
& +30\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{13}\mu_{33} - 12\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{04}\mu_{42} \\
& -6\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{31}\mu_{24} + 14\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{22}\mu_{33} \\
& -10\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{13}\mu_{42} + 2\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{04}\mu_{51} \\
& -6\mu_{20}\mu_{11}\mu_{12}^2\mu_{31}\mu_{24} + 18\mu_{20}\mu_{11}\mu_{12}^2\mu_{22}\mu_{33} - 18\mu_{20}\mu_{11}\mu_{12}^2\mu_{13}\mu_{42} \\
& +6\mu_{20}\mu_{11}\mu_{12}^2\mu_{04}\mu_{51} + 8\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{31}\mu_{33} \\
& -18\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{22}\mu_{42} + 12\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{13}\mu_{51} \\
& -2\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{04}\mu_{60} - 2\mu_{20}\mu_{11}\mu_{03}^2\mu_{31}\mu_{42} + 4\mu_{20}\mu_{11}\mu_{03}^2\mu_{22}\mu_{51} \\
& -2\mu_{20}\mu_{11}\mu_{03}^2\mu_{13}\mu_{60} + \mu_{20}\mu_{02}\mu_{30}^2\mu_{22}\mu_{06} - 2\mu_{20}\mu_{02}\mu_{30}^2\mu_{13}\mu_{15} \\
& +\mu_{20}\mu_{02}\mu_{30}^2\mu_{04}\mu_{24} - 4\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{22}\mu_{15} \\
& +8\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{13}\mu_{24} - 4\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{04}\mu_{33} \\
& +\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{40}\mu_{06} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{15} \\
& +4\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{22}\mu_{24} - 6\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{13}\mu_{33} \\
& +3\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{04}\mu_{42} - \mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{40}\mu_{15} \\
& +2\mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{24} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{22}\mu_{33} \\
& +2\mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{13}\mu_{42} - \mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{04}\mu_{51} \\
& +3\mu_{20}\mu_{02}\mu_{21}^2\mu_{22}\mu_{24} - 6\mu_{20}\mu_{02}\mu_{21}^2\mu_{13}\mu_{33} + 3\mu_{20}\mu_{02}\mu_{21}^2\mu_{04}\mu_{42} \\
& -3\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{15} + 6\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{24} \\
& -6\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{22}\mu_{33} + 6\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{13}\mu_{42} \\
& -3\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{04}\mu_{51} + 3\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{24} \\
& -6\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{33} + 4\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{22}\mu_{42} \\
& -2\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{13}\mu_{51} + \mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{04}\mu_{60} \\
& +3\mu_{20}\mu_{02}\mu_{12}^2\mu_{40}\mu_{24} - 6\mu_{20}\mu_{02}\mu_{12}^2\mu_{31}\mu_{33} + 3\mu_{20}\mu_{02}\mu_{12}^2\mu_{22}\mu_{42} \\
& -4\mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{40}\mu_{33} + 8\mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{31}\mu_{42} \\
& -4\mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{22}\mu_{51} + \mu_{20}\mu_{02}\mu_{03}^2\mu_{40}\mu_{42} - 2\mu_{20}\mu_{02}\mu_{03}^2\mu_{31}\mu_{51} \\
& +\mu_{20}\mu_{02}\mu_{03}^2\mu_{22}\mu_{60} + 4\mu_{11}^2\mu_{30}\mu_{21}\mu_{31}\mu_{06} - 8\mu_{11}^2\mu_{30}\mu_{21}\mu_{22}\mu_{15} \\
& +4\mu_{11}^2\mu_{30}\mu_{21}\mu_{13}\mu_{24} - 4\mu_{11}^2\mu_{30}\mu_{12}\mu_{31}\mu_{15} + 8\mu_{11}^2\mu_{30}\mu_{12}\mu_{22}\mu_{24} \\
& -4\mu_{11}^2\mu_{30}\mu_{12}\mu_{13}\mu_{33} - 12\mu_{11}^2\mu_{21}^2\mu_{31}\mu_{15} + 24\mu_{11}^2\mu_{21}^2\mu_{22}\mu_{24} \\
& -12\mu_{11}^2\mu_{21}^2\mu_{13}\mu_{33} + 24\mu_{11}^2\mu_{21}\mu_{12}\mu_{31}\mu_{24} - 48\mu_{11}^2\mu_{21}\mu_{12}\mu_{22}\mu_{33} \\
& +24\mu_{11}^2\mu_{21}\mu_{12}\mu_{13}\mu_{42} - 4\mu_{11}^2\mu_{21}\mu_{03}\mu_{31}\mu_{33} + 8\mu_{11}^2\mu_{21}\mu_{03}\mu_{22}\mu_{42} \\
& -4\mu_{11}^2\mu_{21}\mu_{03}\mu_{13}\mu_{51} - 12\mu_{11}^2\mu_{12}^2\mu_{31}\mu_{33} + 24\mu_{11}^2\mu_{12}^2\mu_{22}\mu_{42} \\
& -12\mu_{11}^2\mu_{12}^2\mu_{13}\mu_{51} + 4\mu_{11}^2\mu_{12}\mu_{03}\mu_{31}\mu_{42} - 8\mu_{11}^2\mu_{12}\mu_{03}\mu_{22}\mu_{51} \\
& +4\mu_{11}^2\mu_{12}\mu_{03}\mu_{13}\mu_{60} - 2\mu_{11}\mu_{02}\mu_{30}^2\mu_{31}\mu_{06} + 4\mu_{11}\mu_{02}\mu_{30}^2\mu_{22}\mu_{15}
\end{aligned}
$$

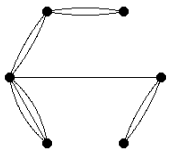
$$
\begin{aligned}
&-2\mu_{11}\mu_{02}\mu_{30}^2\mu_{13}\mu_{24} - 2\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{40}\mu_{06} \\
&+12\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{31}\mu_{15} - 18\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{22}\mu_{24} \\
&+8\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{13}\mu_{33} + 2\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{40}\mu_{15} \\
&-10\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{24} + 14\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{22}\mu_{33} \\
&-6\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{13}\mu_{42} + 2\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{33} \\
&-4\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{22}\mu_{42} + 2\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{13}\mu_{51} \\
&+6\mu_{11}\mu_{02}\mu_{21}^2\mu_{40}\mu_{15} - 18\mu_{11}\mu_{02}\mu_{21}^2\mu_{31}\mu_{24} + 18\mu_{11}\mu_{02}\mu_{21}^2\mu_{22}\mu_{33} \\
&-6\mu_{11}\mu_{02}\mu_{21}^2\mu_{13}\mu_{42} - 12\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{24} \\
&+30\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{33} - 24\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{22}\mu_{42} \\
&+6\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{13}\mu_{51} + 2\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{33} \\
&-6\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{42} + 6\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{22}\mu_{51} \\
&-2\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{13}\mu_{60} + 6\mu_{11}\mu_{02}\mu_{12}^2\mu_{40}\mu_{33} - 12\mu_{11}\mu_{02}\mu_{12}^2\mu_{31}\mu_{42} \\
&+6\mu_{11}\mu_{02}\mu_{12}^2\mu_{22}\mu_{51} - 2\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{40}\mu_{42} \\
&+4\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{31}\mu_{51} - 2\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{22}\mu_{60} + \mu_{02}^2\mu_{30}^2\mu_{40}\mu_{06} \\
&-2\mu_{02}^2\mu_{30}^2\mu_{31}\mu_{15} + \mu_{02}^2\mu_{30}^2\mu_{22}\mu_{24} - 4\mu_{02}^2\mu_{30}\mu_{21}\mu_{40}\mu_{15} \\
&+8\mu_{02}^2\mu_{30}\mu_{21}\mu_{31}\mu_{24} - 4\mu_{02}^2\mu_{30}\mu_{21}\mu_{22}\mu_{33} + 3\mu_{02}^2\mu_{30}\mu_{12}\mu_{40}\mu_{24} \\
&-6\mu_{02}^2\mu_{30}\mu_{12}\mu_{31}\mu_{33} + 3\mu_{02}^2\mu_{30}\mu_{12}\mu_{22}\mu_{42} - \mu_{02}^2\mu_{30}\mu_{03}\mu_{40}\mu_{33} \\
&+2\mu_{02}^2\mu_{30}\mu_{03}\mu_{31}\mu_{42} - \mu_{02}^2\mu_{30}\mu_{03}\mu_{22}\mu_{51} + 3\mu_{02}^2\mu_{21}^2\mu_{40}\mu_{24} \\
&-6\mu_{02}^2\mu_{21}^2\mu_{31}\mu_{33} + 3\mu_{02}^2\mu_{21}^2\mu_{22}\mu_{42} - 3\mu_{02}^2\mu_{21}\mu_{12}\mu_{40}\mu_{33} \\
&+6\mu_{02}^2\mu_{21}\mu_{12}\mu_{31}\mu_{42} - 3\mu_{02}^2\mu_{21}\mu_{12}\mu_{22}\mu_{51} + \mu_{02}^2\mu_{21}\mu_{03}\mu_{40}\mu_{42} \\
&-2\mu_{02}^2\mu_{21}\mu_{03}\mu_{31}\mu_{51} + \mu_{02}^2\mu_{21}\mu_{03}\mu_{22}\mu_{60})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 2,2,1,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 |
| 2 | 2 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 |



**Simultaneous invariants of the orders 2, 3, 5 and 6**

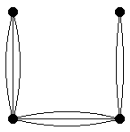
$$
\begin{aligned}
I_{179} \;=\; & (\mu_{20}\mu_{30}\mu_{32}\mu_{06} - 3\mu_{20}\mu_{30}\mu_{23}\mu_{15} + 3\mu_{20}\mu_{30}\mu_{14}\mu_{24} - \mu_{20}\mu_{30}\mu_{05}\mu_{33} \\
& -3\mu_{20}\mu_{21}\mu_{32}\mu_{15} + 9\mu_{20}\mu_{21}\mu_{23}\mu_{24} - 9\mu_{20}\mu_{21}\mu_{14}\mu_{33} + 3\mu_{20}\mu_{21}\mu_{05}\mu_{42} \\
& +3\mu_{20}\mu_{12}\mu_{32}\mu_{24} - 9\mu_{20}\mu_{12}\mu_{23}\mu_{33} + 9\mu_{20}\mu_{12}\mu_{14}\mu_{42} - 3\mu_{20}\mu_{12}\mu_{05}\mu_{51} \\
& -\mu_{20}\mu_{03}\mu_{32}\mu_{33} + 3\mu_{20}\mu_{03}\mu_{23}\mu_{42} - 3\mu_{20}\mu_{03}\mu_{14}\mu_{51} + \mu_{20}\mu_{03}\mu_{05}\mu_{60} \\
& -2\mu_{11}\mu_{30}\mu_{41}\mu_{06} + 6\mu_{11}\mu_{30}\mu_{32}\mu_{15} - 6\mu_{11}\mu_{30}\mu_{23}\mu_{24} + 2\mu_{11}\mu_{30}\mu_{14}\mu_{33} \\
& +6\mu_{11}\mu_{21}\mu_{41}\mu_{15} - 18\mu_{11}\mu_{21}\mu_{32}\mu_{24} + 18\mu_{11}\mu_{21}\mu_{23}\mu_{33} - 6\mu_{11}\mu_{21}\mu_{14}\mu_{42} \\
& -6\mu_{11}\mu_{12}\mu_{41}\mu_{24} + 18\mu_{11}\mu_{12}\mu_{32}\mu_{33} - 18\mu_{11}\mu_{12}\mu_{23}\mu_{42} + 6\mu_{11}\mu_{12}\mu_{14}\mu_{51} \\
& +2\mu_{11}\mu_{03}\mu_{41}\mu_{33} - 6\mu_{11}\mu_{03}\mu_{32}\mu_{42} + 6\mu_{11}\mu_{03}\mu_{23}\mu_{51} - 2\mu_{11}\mu_{03}\mu_{14}\mu_{60} \\
& +\mu_{02}\mu_{30}\mu_{50}\mu_{06} - 3\mu_{02}\mu_{30}\mu_{41}\mu_{15} + 3\mu_{02}\mu_{30}\mu_{32}\mu_{24} - \mu_{02}\mu_{30}\mu_{23}\mu_{33} \\
& -3\mu_{02}\mu_{21}\mu_{50}\mu_{15} + 9\mu_{02}\mu_{21}\mu_{41}\mu_{24} - 9\mu_{02}\mu_{21}\mu_{32}\mu_{33} + 3\mu_{02}\mu_{21}\mu_{23}\mu_{42} \\
& +3\mu_{02}\mu_{12}\mu_{50}\mu_{24} - 9\mu_{02}\mu_{12}\mu_{41}\mu_{33} + 9\mu_{02}\mu_{12}\mu_{32}\mu_{42} - 3\mu_{02}\mu_{12}\mu_{23}\mu_{51} \\
& -\mu_{02}\mu_{03}\mu_{50}\mu_{33} + 3\mu_{02}\mu_{03}\mu_{41}\mu_{42} - 3\mu_{02}\mu_{03}\mu_{32}\mu_{51} + \mu_{02}\mu_{03}\mu_{23}\mu_{60})/\mu_{00}^{12}
\end{aligned}
$$

weight=8

structure: 1,1,0,1,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 |



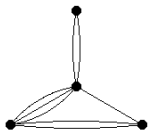
$$
\begin{aligned}
I_{180} \;=\; & (\mu_{20}\mu_{30}\mu_{32}\mu_{06} - 3\mu_{20}\mu_{30}\mu_{23}\mu_{15} + 3\mu_{20}\mu_{30}\mu_{14}\mu_{24} - \mu_{20}\mu_{30}\mu_{05}\mu_{33} \\
& -2\mu_{20}\mu_{21}\mu_{41}\mu_{06} + 5\mu_{20}\mu_{21}\mu_{32}\mu_{15} - 3\mu_{20}\mu_{21}\mu_{23}\mu_{24} - \mu_{20}\mu_{21}\mu_{14}\mu_{33} \\
& +\mu_{20}\mu_{21}\mu_{05}\mu_{42} + \mu_{20}\mu_{12}\mu_{50}\mu_{06} - \mu_{20}\mu_{12}\mu_{41}\mu_{15} - 3\mu_{20}\mu_{12}\mu_{32}\mu_{24} \\
& +5\mu_{20}\mu_{12}\mu_{23}\mu_{33} - 2\mu_{20}\mu_{12}\mu_{14}\mu_{42} - \mu_{20}\mu_{03}\mu_{50}\mu_{15} + 3\mu_{20}\mu_{03}\mu_{41}\mu_{24} \\
& -3\mu_{20}\mu_{03}\mu_{32}\mu_{33} + \mu_{20}\mu_{03}\mu_{23}\mu_{42} - 2\mu_{11}\mu_{30}\mu_{32}\mu_{15} + 6\mu_{11}\mu_{30}\mu_{23}\mu_{24} \\
& -6\mu_{11}\mu_{30}\mu_{14}\mu_{33} + 2\mu_{11}\mu_{30}\mu_{05}\mu_{42} + 4\mu_{11}\mu_{21}\mu_{41}\mu_{15} - 10\mu_{11}\mu_{21}\mu_{32}\mu_{24} \\
& +6\mu_{11}\mu_{21}\mu_{23}\mu_{33} + 2\mu_{11}\mu_{21}\mu_{14}\mu_{42} - 2\mu_{11}\mu_{21}\mu_{05}\mu_{51} - 2\mu_{11}\mu_{12}\mu_{50}\mu_{15} \\
& +2\mu_{11}\mu_{12}\mu_{41}\mu_{24} + 6\mu_{11}\mu_{12}\mu_{32}\mu_{33} - 10\mu_{11}\mu_{12}\mu_{23}\mu_{42} + 4\mu_{11}\mu_{12}\mu_{14}\mu_{51} \\
& +2\mu_{11}\mu_{03}\mu_{50}\mu_{24} - 6\mu_{11}\mu_{03}\mu_{41}\mu_{33} + 6\mu_{11}\mu_{03}\mu_{32}\mu_{42} - 2\mu_{11}\mu_{03}\mu_{23}\mu_{51} \\
& +\mu_{02}\mu_{30}\mu_{32}\mu_{24} - 3\mu_{02}\mu_{30}\mu_{23}\mu_{33} + 3\mu_{02}\mu_{30}\mu_{14}\mu_{42} - \mu_{02}\mu_{30}\mu_{05}\mu_{51} \\
& -2\mu_{02}\mu_{21}\mu_{41}\mu_{24} + 5\mu_{02}\mu_{21}\mu_{32}\mu_{33} - 3\mu_{02}\mu_{21}\mu_{23}\mu_{42} - \mu_{02}\mu_{21}\mu_{14}\mu_{51} \\
& +\mu_{02}\mu_{21}\mu_{05}\mu_{60} + \mu_{02}\mu_{12}\mu_{50}\mu_{24} - \mu_{02}\mu_{12}\mu_{41}\mu_{33} - 3\mu_{02}\mu_{12}\mu_{32}\mu_{42} \\
& +5\mu_{02}\mu_{12}\mu_{23}\mu_{51} - 2\mu_{02}\mu_{12}\mu_{14}\mu_{60} - \mu_{02}\mu_{03}\mu_{50}\mu_{33} + 3\mu_{02}\mu_{03}\mu_{41}\mu_{42} \\
& -3\mu_{02}\mu_{03}\mu_{32}\mu_{51} + \mu_{02}\mu_{03}\mu_{23}\mu_{60})/\mu_{00}^{12}
\end{aligned}
$$

weight=8

structure: 1,1,0,1,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 3 | 3 | 4 | 4 | 4 |



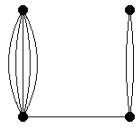
$$
\begin{aligned}
I_{181} \;=\; & (\mu_{20}\mu_{12}\mu_{50}\mu_{06} - 5\mu_{20}\mu_{12}\mu_{41}\mu_{15} + 10\mu_{20}\mu_{12}\mu_{32}\mu_{24} - 10\mu_{20}\mu_{12}\mu_{23}\mu_{33} \\
& +5\mu_{20}\mu_{12}\mu_{14}\mu_{42} - \mu_{20}\mu_{12}\mu_{05}\mu_{51} - \mu_{20}\mu_{03}\mu_{50}\mu_{15} + 5\mu_{20}\mu_{03}\mu_{41}\mu_{24} \\
& -10\mu_{20}\mu_{03}\mu_{32}\mu_{33} + 10\mu_{20}\mu_{03}\mu_{23}\mu_{42} - 5\mu_{20}\mu_{03}\mu_{14}\mu_{51} + \mu_{20}\mu_{03}\mu_{05}\mu_{60} \\
& -2\mu_{11}\mu_{21}\mu_{50}\mu_{06} + 10\mu_{11}\mu_{21}\mu_{41}\mu_{15} - 20\mu_{11}\mu_{21}\mu_{32}\mu_{24} + 20\mu_{11}\mu_{21}\mu_{23}\mu_{33} \\
& -10\mu_{11}\mu_{21}\mu_{14}\mu_{42} + 2\mu_{11}\mu_{21}\mu_{05}\mu_{51} + 2\mu_{11}\mu_{12}\mu_{50}\mu_{15} - 10\mu_{11}\mu_{12}\mu_{41}\mu_{24} \\
& +20\mu_{11}\mu_{12}\mu_{32}\mu_{33} - 20\mu_{11}\mu_{12}\mu_{23}\mu_{42} + 10\mu_{11}\mu_{12}\mu_{14}\mu_{51} - 2\mu_{11}\mu_{12}\mu_{05}\mu_{60} \\
& +\mu_{02}\mu_{30}\mu_{50}\mu_{06} - 5\mu_{02}\mu_{30}\mu_{41}\mu_{15} + 10\mu_{02}\mu_{30}\mu_{32}\mu_{24} - 10\mu_{02}\mu_{30}\mu_{23}\mu_{33} \\
& +5\mu_{02}\mu_{30}\mu_{14}\mu_{42} - \mu_{02}\mu_{30}\mu_{05}\mu_{51} - \mu_{02}\mu_{21}\mu_{50}\mu_{15} + 5\mu_{02}\mu_{21}\mu_{41}\mu_{24} \\
& -10\mu_{02}\mu_{21}\mu_{32}\mu_{33} + 10\mu_{02}\mu_{21}\mu_{23}\mu_{42} - 5\mu_{02}\mu_{21}\mu_{14}\mu_{51} + \mu_{02}\mu_{21}\mu_{05}\mu_{60})/\mu_{00}^{12}
\end{aligned}
$$

weight=8

structure: 1,1,0,1,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |



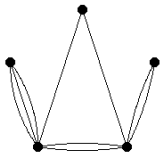
$$
\begin{aligned}
I_{182} \;=\; & (-\mu_{20}^2\mu_{30}\mu_{23}\mu_{06} + 2\mu_{20}^2\mu_{30}\mu_{14}\mu_{15} - \mu_{20}^2\mu_{30}\mu_{05}\mu_{24} + 3\mu_{20}^2\mu_{21}\mu_{23}\mu_{15} \\
& -6\mu_{20}^2\mu_{21}\mu_{14}\mu_{24} + 3\mu_{20}^2\mu_{21}\mu_{05}\mu_{33} - 3\mu_{20}^2\mu_{12}\mu_{23}\mu_{24} + 6\mu_{20}^2\mu_{12}\mu_{14}\mu_{33} \\
& -3\mu_{20}^2\mu_{12}\mu_{05}\mu_{42} + \mu_{20}^2\mu_{03}\mu_{23}\mu_{33} - 2\mu_{20}^2\mu_{03}\mu_{14}\mu_{42} + \mu_{20}^2\mu_{03}\mu_{05}\mu_{51} \\
& +3\mu_{20}\mu_{11}\mu_{30}\mu_{32}\mu_{06} - 5\mu_{20}\mu_{11}\mu_{30}\mu_{23}\mu_{15} + \mu_{20}\mu_{11}\mu_{30}\mu_{14}\mu_{24} \\
& +\mu_{20}\mu_{11}\mu_{30}\mu_{05}\mu_{33} - 9\mu_{20}\mu_{11}\mu_{21}\mu_{32}\mu_{15} + 15\mu_{20}\mu_{11}\mu_{21}\mu_{23}\mu_{24} \\
& -3\mu_{20}\mu_{11}\mu_{21}\mu_{14}\mu_{33} - 3\mu_{20}\mu_{11}\mu_{21}\mu_{05}\mu_{42} + 9\mu_{20}\mu_{11}\mu_{12}\mu_{32}\mu_{24} \\
& -15\mu_{20}\mu_{11}\mu_{12}\mu_{23}\mu_{33} + 3\mu_{20}\mu_{11}\mu_{12}\mu_{14}\mu_{42} + 3\mu_{20}\mu_{11}\mu_{12}\mu_{05}\mu_{51} \\
& -3\mu_{20}\mu_{11}\mu_{03}\mu_{32}\mu_{33} + 5\mu_{20}\mu_{11}\mu_{03}\mu_{23}\mu_{42} - \mu_{20}\mu_{11}\mu_{03}\mu_{14}\mu_{51} \\
& -\mu_{20}\mu_{11}\mu_{03}\mu_{05}\mu_{60} - \mu_{20}\mu_{02}\mu_{30}\mu_{41}\mu_{06} + \mu_{20}\mu_{02}\mu_{30}\mu_{32}\mu_{15} \\
& +\mu_{20}\mu_{02}\mu_{30}\mu_{23}\mu_{24} - \mu_{20}\mu_{02}\mu_{30}\mu_{14}\mu_{33} + 3\mu_{20}\mu_{02}\mu_{21}\mu_{41}\mu_{15} \\
& -3\mu_{20}\mu_{02}\mu_{21}\mu_{32}\mu_{24} - 3\mu_{20}\mu_{02}\mu_{21}\mu_{23}\mu_{33} + 3\mu_{20}\mu_{02}\mu_{21}\mu_{14}\mu_{42} \\
& -3\mu_{20}\mu_{02}\mu_{12}\mu_{41}\mu_{24} + 3\mu_{20}\mu_{02}\mu_{12}\mu_{32}\mu_{33} + 3\mu_{20}\mu_{02}\mu_{12}\mu_{23}\mu_{42} \\
& -3\mu_{20}\mu_{02}\mu_{12}\mu_{14}\mu_{51} + \mu_{20}\mu_{02}\mu_{03}\mu_{41}\mu_{33} - \mu_{20}\mu_{02}\mu_{03}\mu_{32}\mu_{42} \\
& -\mu_{20}\mu_{02}\mu_{03}\mu_{23}\mu_{51} + \mu_{20}\mu_{02}\mu_{03}\mu_{14}\mu_{60} - 2\mu_{11}^2\mu_{30}\mu_{41}\mu_{06} \\
& +2\mu_{11}^2\mu_{30}\mu_{32}\mu_{15} + 2\mu_{11}^2\mu_{30}\mu_{23}\mu_{24} - 2\mu_{11}^2\mu_{30}\mu_{14}\mu_{33} + 6\mu_{11}^2\mu_{21}\mu_{41}\mu_{15} \\
& -6\mu_{11}^2\mu_{21}\mu_{32}\mu_{24} - 6\mu_{11}^2\mu_{21}\mu_{23}\mu_{33} + 6\mu_{11}^2\mu_{21}\mu_{14}\mu_{42} - 6\mu_{11}^2\mu_{12}\mu_{41}\mu_{24} \\
& +6\mu_{11}^2\mu_{12}\mu_{32}\mu_{33} + 6\mu_{11}^2\mu_{12}\mu_{23}\mu_{42} - 6\mu_{11}^2\mu_{12}\mu_{14}\mu_{51} + 2\mu_{11}^2\mu_{03}\mu_{41}\mu_{33} \\
& -2\mu_{11}^2\mu_{03}\mu_{32}\mu_{42} - 2\mu_{11}^2\mu_{03}\mu_{23}\mu_{51} + 2\mu_{11}^2\mu_{03}\mu_{14}\mu_{60} \\
& +\mu_{11}\mu_{02}\mu_{30}\mu_{50}\mu_{06} + \mu_{11}\mu_{02}\mu_{30}\mu_{41}\mu_{15} - 5\mu_{11}\mu_{02}\mu_{30}\mu_{32}\mu_{24} \\
& +3\mu_{11}\mu_{02}\mu_{30}\mu_{23}\mu_{33} - 3\mu_{11}\mu_{02}\mu_{21}\mu_{50}\mu_{15} - 3\mu_{11}\mu_{02}\mu_{21}\mu_{41}\mu_{24} \\
& +15\mu_{11}\mu_{02}\mu_{21}\mu_{32}\mu_{33} - 9\mu_{11}\mu_{02}\mu_{21}\mu_{23}\mu_{42} + 3\mu_{11}\mu_{02}\mu_{12}\mu_{50}\mu_{24} \\
& +3\mu_{11}\mu_{02}\mu_{12}\mu_{41}\mu_{33} - 15\mu_{11}\mu_{02}\mu_{12}\mu_{32}\mu_{42} + 9\mu_{11}\mu_{02}\mu_{12}\mu_{23}\mu_{51} \\
& -\mu_{11}\mu_{02}\mu_{03}\mu_{50}\mu_{33} - \mu_{11}\mu_{02}\mu_{03}\mu_{41}\mu_{42} + 5\mu_{11}\mu_{02}\mu_{03}\mu_{32}\mu_{51} \\
& -3\mu_{11}\mu_{02}\mu_{03}\mu_{23}\mu_{60} - \mu_{02}^2\mu_{30}\mu_{50}\mu_{15} + 2\mu_{02}^2\mu_{30}\mu_{41}\mu_{24} \\
& -\mu_{02}^2\mu_{30}\mu_{32}\mu_{33} + 3\mu_{02}^2\mu_{21}\mu_{50}\mu_{24} - 6\mu_{02}^2\mu_{21}\mu_{41}\mu_{33} + 3\mu_{02}^2\mu_{21}\mu_{32}\mu_{42} \\
& -3\mu_{02}^2\mu_{12}\mu_{50}\mu_{33} + 6\mu_{02}^2\mu_{12}\mu_{41}\mu_{42} - 3\mu_{02}^2\mu_{12}\mu_{32}\mu_{51} + \mu_{02}^2\mu_{03}\mu_{50}\mu_{42} \\
& -2\mu_{02}^2\mu_{03}\mu_{41}\mu_{51} + \mu_{02}^2\mu_{03}\mu_{32}\mu_{60})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 2,1,0,1,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 |



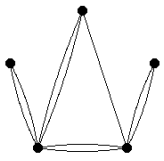
$$
\begin{aligned}
I_{183} \;=\; & (-\mu_{20}^2\mu_{30}\mu_{23}\mu_{06} + 2\mu_{20}^2\mu_{30}\mu_{14}\mu_{15} - \mu_{20}^2\mu_{30}\mu_{05}\mu_{24} + \mu_{20}^2\mu_{21}\mu_{32}\mu_{06} \\
& -3\mu_{20}^2\mu_{21}\mu_{14}\mu_{24} + 2\mu_{20}^2\mu_{21}\mu_{05}\mu_{33} - 2\mu_{20}^2\mu_{12}\mu_{32}\mu_{15} + 3\mu_{20}^2\mu_{12}\mu_{23}\mu_{24} \\
& -\mu_{20}^2\mu_{12}\mu_{05}\mu_{42} + \mu_{20}^2\mu_{03}\mu_{32}\mu_{24} - 2\mu_{20}^2\mu_{03}\mu_{23}\mu_{33} + \mu_{20}^2\mu_{03}\mu_{14}\mu_{42} \\
& +2\mu_{20}\mu_{11}\mu_{30}\mu_{32}\mu_{06} - 2\mu_{20}\mu_{11}\mu_{30}\mu_{23}\mu_{15} - 2\mu_{20}\mu_{11}\mu_{30}\mu_{14}\mu_{24} \\
& +2\mu_{20}\mu_{11}\mu_{30}\mu_{05}\mu_{33} - 2\mu_{20}\mu_{11}\mu_{21}\mu_{41}\mu_{06} - 2\mu_{20}\mu_{11}\mu_{21}\mu_{32}\mu_{15} \\
& +6\mu_{20}\mu_{11}\mu_{21}\mu_{23}\mu_{24} + 2\mu_{20}\mu_{11}\mu_{21}\mu_{14}\mu_{33} - 4\mu_{20}\mu_{11}\mu_{21}\mu_{05}\mu_{42} \\
& +4\mu_{20}\mu_{11}\mu_{12}\mu_{41}\mu_{15} - 2\mu_{20}\mu_{11}\mu_{12}\mu_{32}\mu_{24} - 6\mu_{20}\mu_{11}\mu_{12}\mu_{23}\mu_{33} \\
& +2\mu_{20}\mu_{11}\mu_{12}\mu_{14}\mu_{42} + 2\mu_{20}\mu_{11}\mu_{12}\mu_{05}\mu_{51} - 2\mu_{20}\mu_{11}\mu_{03}\mu_{41}\mu_{24} \\
& +2\mu_{20}\mu_{11}\mu_{03}\mu_{32}\mu_{33} + 2\mu_{20}\mu_{11}\mu_{03}\mu_{23}\mu_{42} - 2\mu_{20}\mu_{11}\mu_{03}\mu_{14}\mu_{51} \\
& -\mu_{20}\mu_{02}\mu_{30}\mu_{41}\mu_{06} + 2\mu_{20}\mu_{02}\mu_{30}\mu_{32}\mu_{15} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{23}\mu_{24} \\
& +2\mu_{20}\mu_{02}\mu_{30}\mu_{14}\mu_{33} - \mu_{20}\mu_{02}\mu_{30}\mu_{05}\mu_{42} + \mu_{20}\mu_{02}\mu_{21}\mu_{50}\mu_{06} \\
& -2\mu_{20}\mu_{02}\mu_{21}\mu_{32}\mu_{24} + 2\mu_{20}\mu_{02}\mu_{21}\mu_{23}\mu_{33} - 3\mu_{20}\mu_{02}\mu_{21}\mu_{14}\mu_{42} \\
& +2\mu_{20}\mu_{02}\mu_{21}\mu_{05}\mu_{51} - 2\mu_{20}\mu_{02}\mu_{12}\mu_{50}\mu_{15} + 3\mu_{20}\mu_{02}\mu_{12}\mu_{41}\mu_{24} \\
& -2\mu_{20}\mu_{02}\mu_{12}\mu_{32}\mu_{33} + 2\mu_{20}\mu_{02}\mu_{12}\mu_{23}\mu_{42} - \mu_{20}\mu_{02}\mu_{12}\mu_{05}\mu_{60} \\
& +\mu_{20}\mu_{02}\mu_{03}\mu_{50}\mu_{24} - 2\mu_{20}\mu_{02}\mu_{03}\mu_{41}\mu_{33} + 2\mu_{20}\mu_{02}\mu_{03}\mu_{32}\mu_{42} \\
& -2\mu_{20}\mu_{02}\mu_{03}\mu_{23}\mu_{51} + \mu_{20}\mu_{02}\mu_{03}\mu_{14}\mu_{60} - 4\mu_{11}^2\mu_{30}\mu_{32}\mu_{15} \\
& +8\mu_{11}^2\mu_{30}\mu_{23}\mu_{24} - 4\mu_{11}^2\mu_{30}\mu_{14}\mu_{33} + 4\mu_{11}^2\mu_{21}\mu_{41}\mu_{15} - 12\mu_{11}^2\mu_{21}\mu_{23}\mu_{33} \\
& +8\mu_{11}^2\mu_{21}\mu_{14}\mu_{42} - 8\mu_{11}^2\mu_{12}\mu_{41}\mu_{24} + 12\mu_{11}^2\mu_{12}\mu_{32}\mu_{33} - 4\mu_{11}^2\mu_{12}\mu_{14}\mu_{51} \\
& +4\mu_{11}^2\mu_{03}\mu_{41}\mu_{33} - 8\mu_{11}^2\mu_{03}\mu_{32}\mu_{42} + 4\mu_{11}^2\mu_{03}\mu_{23}\mu_{51} \\
& +2\mu_{11}\mu_{02}\mu_{30}\mu_{41}\mu_{15} - 2\mu_{11}\mu_{02}\mu_{30}\mu_{32}\mu_{24} - 2\mu_{11}\mu_{02}\mu_{30}\mu_{23}\mu_{33} \\
& +2\mu_{11}\mu_{02}\mu_{30}\mu_{14}\mu_{42} - 2\mu_{11}\mu_{02}\mu_{21}\mu_{50}\mu_{15} - 2\mu_{11}\mu_{02}\mu_{21}\mu_{41}\mu_{24} \\
& +6\mu_{11}\mu_{02}\mu_{21}\mu_{32}\mu_{33} + 2\mu_{11}\mu_{02}\mu_{21}\mu_{23}\mu_{42} - 4\mu_{11}\mu_{02}\mu_{21}\mu_{14}\mu_{51} \\
& +4\mu_{11}\mu_{02}\mu_{12}\mu_{50}\mu_{24} - 2\mu_{11}\mu_{02}\mu_{12}\mu_{41}\mu_{33} - 6\mu_{11}\mu_{02}\mu_{12}\mu_{32}\mu_{42} \\
& +2\mu_{11}\mu_{02}\mu_{12}\mu_{23}\mu_{51} + 2\mu_{11}\mu_{02}\mu_{12}\mu_{14}\mu_{60} - 2\mu_{11}\mu_{02}\mu_{03}\mu_{50}\mu_{33} \\
& +2\mu_{11}\mu_{02}\mu_{03}\mu_{41}\mu_{42} + 2\mu_{11}\mu_{02}\mu_{03}\mu_{32}\mu_{51} - 2\mu_{11}\mu_{02}\mu_{03}\mu_{23}\mu_{60} \\
& -\mu_{02}^2\mu_{30}\mu_{41}\mu_{24} + 2\mu_{02}^2\mu_{30}\mu_{32}\mu_{33} - \mu_{02}^2\mu_{30}\mu_{23}\mu_{42} + \mu_{02}^2\mu_{21}\mu_{50}\mu_{24} \\
& -3\mu_{02}^2\mu_{21}\mu_{32}\mu_{42} + 2\mu_{02}^2\mu_{21}\mu_{23}\mu_{51} - 2\mu_{02}^2\mu_{12}\mu_{50}\mu_{33} + 3\mu_{02}^2\mu_{12}\mu_{41}\mu_{42} \\
& -\mu_{02}^2\mu_{12}\mu_{23}\mu_{60} + \mu_{02}^2\mu_{03}\mu_{50}\mu_{42} - 2\mu_{02}^2\mu_{03}\mu_{41}\mu_{51} + \mu_{02}^2\mu_{03}\mu_{32}\mu_{60})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 2,1,0,1,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |



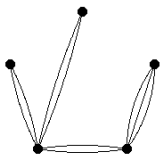
$$
\begin{aligned}
I_{184} \;=\; & (-\mu_{20}^2\mu_{30}\mu_{23}\mu_{06} + 2\mu_{20}^2\mu_{30}\mu_{14}\mu_{15} - \mu_{20}^2\mu_{30}\mu_{05}\mu_{24} + 3\mu_{20}^2\mu_{21}\mu_{32}\mu_{06} \\
& -6\mu_{20}^2\mu_{21}\mu_{23}\mu_{15} + 3\mu_{20}^2\mu_{21}\mu_{14}\mu_{24} - 3\mu_{20}^2\mu_{12}\mu_{41}\mu_{06} + 6\mu_{20}^2\mu_{12}\mu_{32}\mu_{15} \\
& -3\mu_{20}^2\mu_{12}\mu_{23}\mu_{24} + \mu_{20}^2\mu_{03}\mu_{50}\mu_{06} - 2\mu_{20}^2\mu_{03}\mu_{41}\mu_{15} + \mu_{20}^2\mu_{03}\mu_{32}\mu_{24} \\
& +4\mu_{20}\mu_{11}\mu_{30}\mu_{23}\mu_{15} - 8\mu_{20}\mu_{11}\mu_{30}\mu_{14}\mu_{24} + 4\mu_{20}\mu_{11}\mu_{30}\mu_{05}\mu_{33} \\
& -12\mu_{20}\mu_{11}\mu_{21}\mu_{32}\mu_{15} + 24\mu_{20}\mu_{11}\mu_{21}\mu_{23}\mu_{24} - 12\mu_{20}\mu_{11}\mu_{21}\mu_{14}\mu_{33} \\
& +12\mu_{20}\mu_{11}\mu_{12}\mu_{41}\mu_{15} - 24\mu_{20}\mu_{11}\mu_{12}\mu_{32}\mu_{24} + 12\mu_{20}\mu_{11}\mu_{12}\mu_{23}\mu_{33} \\
& -4\mu_{20}\mu_{11}\mu_{03}\mu_{50}\mu_{15} + 8\mu_{20}\mu_{11}\mu_{03}\mu_{41}\mu_{24} - 4\mu_{20}\mu_{11}\mu_{03}\mu_{32}\mu_{33} \\
& -2\mu_{20}\mu_{02}\mu_{30}\mu_{23}\mu_{24} + 4\mu_{20}\mu_{02}\mu_{30}\mu_{14}\mu_{33} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{05}\mu_{42} \\
& +6\mu_{20}\mu_{02}\mu_{21}\mu_{32}\mu_{24} - 12\mu_{20}\mu_{02}\mu_{21}\mu_{23}\mu_{33} + 6\mu_{20}\mu_{02}\mu_{21}\mu_{14}\mu_{42} \\
& -6\mu_{20}\mu_{02}\mu_{12}\mu_{41}\mu_{24} + 12\mu_{20}\mu_{02}\mu_{12}\mu_{32}\mu_{33} - 6\mu_{20}\mu_{02}\mu_{12}\mu_{23}\mu_{42} \\
& +2\mu_{20}\mu_{02}\mu_{03}\mu_{50}\mu_{24} - 4\mu_{20}\mu_{02}\mu_{03}\mu_{41}\mu_{33} + 2\mu_{20}\mu_{02}\mu_{03}\mu_{32}\mu_{42} \\
& -4\mu_{11}^2\mu_{30}\mu_{23}\mu_{24} + 8\mu_{11}^2\mu_{30}\mu_{14}\mu_{33} - 4\mu_{11}^2\mu_{30}\mu_{05}\mu_{42} + 12\mu_{11}^2\mu_{21}\mu_{32}\mu_{24} \\
& -24\mu_{11}^2\mu_{21}\mu_{23}\mu_{33} + 12\mu_{11}^2\mu_{21}\mu_{14}\mu_{42} - 12\mu_{11}^2\mu_{12}\mu_{41}\mu_{24} + 24\mu_{11}^2\mu_{12}\mu_{32}\mu_{33} \\
& -12\mu_{11}^2\mu_{12}\mu_{23}\mu_{42} + 4\mu_{11}^2\mu_{03}\mu_{50}\mu_{24} - 8\mu_{11}^2\mu_{03}\mu_{41}\mu_{33} + 4\mu_{11}^2\mu_{03}\mu_{32}\mu_{42} \\
& +4\mu_{11}\mu_{02}\mu_{30}\mu_{23}\mu_{33} - 8\mu_{11}\mu_{02}\mu_{30}\mu_{14}\mu_{42} + 4\mu_{11}\mu_{02}\mu_{30}\mu_{05}\mu_{51} \\
& -12\mu_{11}\mu_{02}\mu_{21}\mu_{32}\mu_{33} + 24\mu_{11}\mu_{02}\mu_{21}\mu_{23}\mu_{42} - 12\mu_{11}\mu_{02}\mu_{21}\mu_{14}\mu_{51} \\
& +12\mu_{11}\mu_{02}\mu_{12}\mu_{41}\mu_{33} - 24\mu_{11}\mu_{02}\mu_{12}\mu_{32}\mu_{42} + 12\mu_{11}\mu_{02}\mu_{12}\mu_{23}\mu_{51} \\
& -4\mu_{11}\mu_{02}\mu_{03}\mu_{50}\mu_{33} + 8\mu_{11}\mu_{02}\mu_{03}\mu_{41}\mu_{42} - 4\mu_{11}\mu_{02}\mu_{03}\mu_{32}\mu_{51} \\
& -\mu_{02}^2\mu_{30}\mu_{23}\mu_{42} + 2\mu_{02}^2\mu_{30}\mu_{14}\mu_{51} - \mu_{02}^2\mu_{30}\mu_{05}\mu_{60} + 3\mu_{02}^2\mu_{21}\mu_{32}\mu_{42} \\
& -6\mu_{02}^2\mu_{21}\mu_{23}\mu_{51} + 3\mu_{02}^2\mu_{21}\mu_{14}\mu_{60} - 3\mu_{02}^2\mu_{12}\mu_{41}\mu_{42} + 6\mu_{02}^2\mu_{12}\mu_{32}\mu_{51} \\
& -3\mu_{02}^2\mu_{12}\mu_{23}\mu_{60} + \mu_{02}^2\mu_{03}\mu_{50}\mu_{42} - 2\mu_{02}^2\mu_{03}\mu_{41}\mu_{51} + \mu_{02}^2\mu_{03}\mu_{32}\mu_{60})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 2,1,0,1,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



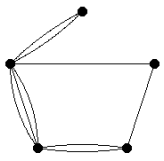
$$
\begin{aligned}
I_{185} \;=\; & (\mu_{20}^2\mu_{21}\mu_{32}\mu_{06} - 3\mu_{20}^2\mu_{21}\mu_{23}\mu_{15} + 3\mu_{20}^2\mu_{21}\mu_{14}\mu_{24} - \mu_{20}^2\mu_{21}\mu_{05}\mu_{33} \\
& -2\mu_{20}^2\mu_{12}\mu_{41}\mu_{06} + 6\mu_{20}^2\mu_{12}\mu_{32}\mu_{15} - 6\mu_{20}^2\mu_{12}\mu_{23}\mu_{24} + 2\mu_{20}^2\mu_{12}\mu_{14}\mu_{33} \\
& +\mu_{20}^2\mu_{03}\mu_{50}\mu_{06} - 3\mu_{20}^2\mu_{03}\mu_{41}\mu_{15} + 3\mu_{20}^2\mu_{03}\mu_{32}\mu_{24} - \mu_{20}^2\mu_{03}\mu_{23}\mu_{33} \\
& -\mu_{20}\mu_{11}\mu_{30}\mu_{32}\mu_{06} + 3\mu_{20}\mu_{11}\mu_{30}\mu_{23}\mu_{15} - 3\mu_{20}\mu_{11}\mu_{30}\mu_{14}\mu_{24} \\
& +\mu_{20}\mu_{11}\mu_{30}\mu_{05}\mu_{33} + 2\mu_{20}\mu_{11}\mu_{21}\mu_{41}\mu_{06} - 9\mu_{20}\mu_{11}\mu_{21}\mu_{32}\mu_{15} \\
& +15\mu_{20}\mu_{11}\mu_{21}\mu_{23}\mu_{24} - 11\mu_{20}\mu_{11}\mu_{21}\mu_{14}\mu_{33} + 3\mu_{20}\mu_{11}\mu_{21}\mu_{05}\mu_{42} \\
& -\mu_{20}\mu_{11}\mu_{12}\mu_{50}\mu_{06} + 9\mu_{20}\mu_{11}\mu_{12}\mu_{41}\mu_{15} - 21\mu_{20}\mu_{11}\mu_{12}\mu_{32}\mu_{24} \\
& +19\mu_{20}\mu_{11}\mu_{12}\mu_{23}\mu_{33} - 6\mu_{20}\mu_{11}\mu_{12}\mu_{14}\mu_{42} - 3\mu_{20}\mu_{11}\mu_{03}\mu_{50}\mu_{15} \\
& +9\mu_{20}\mu_{11}\mu_{03}\mu_{41}\mu_{24} - 9\mu_{20}\mu_{11}\mu_{03}\mu_{32}\mu_{33} + 3\mu_{20}\mu_{11}\mu_{03}\mu_{23}\mu_{42} \\
& +\mu_{20}\mu_{02}\mu_{30}\mu_{32}\mu_{15} - 3\mu_{20}\mu_{02}\mu_{30}\mu_{23}\mu_{24} + 3\mu_{20}\mu_{02}\mu_{30}\mu_{14}\mu_{33} \\
& -\mu_{20}\mu_{02}\mu_{30}\mu_{05}\mu_{42} - 2\mu_{20}\mu_{02}\mu_{21}\mu_{41}\mu_{15} + 7\mu_{20}\mu_{02}\mu_{21}\mu_{32}\mu_{24} \\
& -9\mu_{20}\mu_{02}\mu_{21}\mu_{23}\mu_{33} + 5\mu_{20}\mu_{02}\mu_{21}\mu_{14}\mu_{42} - \mu_{20}\mu_{02}\mu_{21}\mu_{05}\mu_{51} \\
& +\mu_{20}\mu_{02}\mu_{12}\mu_{50}\mu_{15} - 5\mu_{20}\mu_{02}\mu_{12}\mu_{41}\mu_{24} + 9\mu_{20}\mu_{02}\mu_{12}\mu_{32}\mu_{33} \\
& -7\mu_{20}\mu_{02}\mu_{12}\mu_{23}\mu_{42} + 2\mu_{20}\mu_{02}\mu_{12}\mu_{14}\mu_{51} + \mu_{20}\mu_{02}\mu_{03}\mu_{50}\mu_{24} \\
& -3\mu_{20}\mu_{02}\mu_{03}\mu_{41}\mu_{33} + 3\mu_{20}\mu_{02}\mu_{03}\mu_{32}\mu_{42} - \mu_{20}\mu_{02}\mu_{03}\mu_{23}\mu_{51} \\
& +2\mu_{11}^2\mu_{30}\mu_{32}\mu_{15} - 6\mu_{11}^2\mu_{30}\mu_{23}\mu_{24} + 6\mu_{11}^2\mu_{30}\mu_{14}\mu_{33} - 2\mu_{11}^2\mu_{30}\mu_{05}\mu_{42} \\
& -4\mu_{11}^2\mu_{21}\mu_{41}\mu_{15} + 14\mu_{11}^2\mu_{21}\mu_{32}\mu_{24} - 18\mu_{11}^2\mu_{21}\mu_{23}\mu_{33} + 10\mu_{11}^2\mu_{21}\mu_{14}\mu_{42} \\
& -2\mu_{11}^2\mu_{21}\mu_{05}\mu_{51} + 2\mu_{11}^2\mu_{12}\mu_{50}\mu_{15} - 10\mu_{11}^2\mu_{12}\mu_{41}\mu_{24} + 18\mu_{11}^2\mu_{12}\mu_{32}\mu_{33} \\
& -14\mu_{11}^2\mu_{12}\mu_{23}\mu_{42} + 4\mu_{11}^2\mu_{12}\mu_{14}\mu_{51} + 2\mu_{11}^2\mu_{03}\mu_{50}\mu_{24} - 6\mu_{11}^2\mu_{03}\mu_{41}\mu_{33} \\
& +6\mu_{11}^2\mu_{03}\mu_{32}\mu_{42} - 2\mu_{11}^2\mu_{03}\mu_{23}\mu_{51} - 3\mu_{11}\mu_{02}\mu_{30}\mu_{32}\mu_{24} \\
& +9\mu_{11}\mu_{02}\mu_{30}\mu_{23}\mu_{33} - 9\mu_{11}\mu_{02}\mu_{30}\mu_{14}\mu_{42} + 3\mu_{11}\mu_{02}\mu_{30}\mu_{05}\mu_{51} \\
& +6\mu_{11}\mu_{02}\mu_{21}\mu_{41}\mu_{24} - 19\mu_{11}\mu_{02}\mu_{21}\mu_{32}\mu_{33} + 21\mu_{11}\mu_{02}\mu_{21}\mu_{23}\mu_{42} \\
& -9\mu_{11}\mu_{02}\mu_{21}\mu_{14}\mu_{51} + \mu_{11}\mu_{02}\mu_{21}\mu_{05}\mu_{60} - 3\mu_{11}\mu_{02}\mu_{12}\mu_{50}\mu_{24} \\
& +11\mu_{11}\mu_{02}\mu_{12}\mu_{41}\mu_{33} - 15\mu_{11}\mu_{02}\mu_{12}\mu_{32}\mu_{42} + 9\mu_{11}\mu_{02}\mu_{12}\mu_{23}\mu_{51} \\
& -2\mu_{11}\mu_{02}\mu_{12}\mu_{14}\mu_{60} - \mu_{11}\mu_{02}\mu_{03}\mu_{50}\mu_{33} + 3\mu_{11}\mu_{02}\mu_{03}\mu_{41}\mu_{42} \\
& -3\mu_{11}\mu_{02}\mu_{03}\mu_{32}\mu_{51} + \mu_{11}\mu_{02}\mu_{03}\mu_{23}\mu_{60} + \mu_{02}^2\mu_{30}\mu_{32}\mu_{33} \\
& -3\mu_{02}^2\mu_{30}\mu_{23}\mu_{42} + 3\mu_{02}^2\mu_{30}\mu_{14}\mu_{51} - \mu_{02}^2\mu_{30}\mu_{05}\mu_{60} - 2\mu_{02}^2\mu_{21}\mu_{41}\mu_{33} \\
& +6\mu_{02}^2\mu_{21}\mu_{32}\mu_{42} - 6\mu_{02}^2\mu_{21}\mu_{23}\mu_{51} + 2\mu_{02}^2\mu_{21}\mu_{14}\mu_{60} + \mu_{02}^2\mu_{12}\mu_{50}\mu_{33} \\
& -3\mu_{02}^2\mu_{12}\mu_{41}\mu_{42} + 3\mu_{02}^2\mu_{12}\mu_{32}\mu_{51} - \mu_{02}^2\mu_{12}\mu_{23}\mu_{60})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 2,1,0,1,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 2 | 2 | 3 | 4 | 4 | 5 | 5 | 5 |



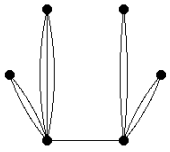
$$
\begin{aligned}
I_{186} \;=\; & (\mu_{20}^3\mu_{30}\mu_{14}\mu_{06} - \mu_{20}^3\mu_{30}\mu_{05}\mu_{15} - 3\mu_{20}^3\mu_{21}\mu_{14}\mu_{15} + 3\mu_{20}^3\mu_{21}\mu_{05}\mu_{24} \\
& +3\mu_{20}^3\mu_{12}\mu_{14}\mu_{24} - 3\mu_{20}^3\mu_{12}\mu_{05}\mu_{33} - \mu_{20}^3\mu_{03}\mu_{14}\mu_{33} + \mu_{20}^3\mu_{03}\mu_{05}\mu_{42} \\
& -4\mu_{20}^2\mu_{11}\mu_{30}\mu_{23}\mu_{06} + 2\mu_{20}^2\mu_{11}\mu_{30}\mu_{14}\mu_{15} + 2\mu_{20}^2\mu_{11}\mu_{30}\mu_{05}\mu_{24} \\
& +12\mu_{20}^2\mu_{11}\mu_{21}\mu_{23}\mu_{15} - 6\mu_{20}^2\mu_{11}\mu_{21}\mu_{14}\mu_{24} - 6\mu_{20}^2\mu_{11}\mu_{21}\mu_{05}\mu_{33} \\
& -12\mu_{20}^2\mu_{11}\mu_{12}\mu_{23}\mu_{24} + 6\mu_{20}^2\mu_{11}\mu_{12}\mu_{14}\mu_{33} + 6\mu_{20}^2\mu_{11}\mu_{12}\mu_{05}\mu_{42} \\
& +4\mu_{20}^2\mu_{11}\mu_{03}\mu_{23}\mu_{33} - 2\mu_{20}^2\mu_{11}\mu_{03}\mu_{14}\mu_{42} - 2\mu_{20}^2\mu_{11}\mu_{03}\mu_{05}\mu_{51} \\
& +2\mu_{20}^2\mu_{02}\mu_{30}\mu_{32}\mu_{06} - 2\mu_{20}^2\mu_{02}\mu_{30}\mu_{23}\mu_{15} + \mu_{20}^2\mu_{02}\mu_{30}\mu_{14}\mu_{24} \\
& -\mu_{20}^2\mu_{02}\mu_{30}\mu_{05}\mu_{33} - 6\mu_{20}^2\mu_{02}\mu_{21}\mu_{32}\mu_{15} + 6\mu_{20}^2\mu_{02}\mu_{21}\mu_{23}\mu_{24} \\
& -3\mu_{20}^2\mu_{02}\mu_{21}\mu_{14}\mu_{33} + 3\mu_{20}^2\mu_{02}\mu_{21}\mu_{05}\mu_{42} + 6\mu_{20}^2\mu_{02}\mu_{12}\mu_{32}\mu_{24} \\
& -6\mu_{20}^2\mu_{02}\mu_{12}\mu_{23}\mu_{33} + 3\mu_{20}^2\mu_{02}\mu_{12}\mu_{14}\mu_{42} - 3\mu_{20}^2\mu_{02}\mu_{12}\mu_{05}\mu_{51} \\
& -2\mu_{20}^2\mu_{02}\mu_{03}\mu_{32}\mu_{33} + 2\mu_{20}^2\mu_{02}\mu_{03}\mu_{23}\mu_{42} - \mu_{20}^2\mu_{02}\mu_{03}\mu_{14}\mu_{51} \\
& +\mu_{20}^2\mu_{02}\mu_{03}\mu_{05}\mu_{60} + 4\mu_{20}\mu_{11}^2\mu_{30}\mu_{32}\mu_{06} + 4\mu_{20}\mu_{11}^2\mu_{30}\mu_{23}\mu_{15} \\
& -8\mu_{20}\mu_{11}^2\mu_{30}\mu_{14}\mu_{24} - 12\mu_{20}\mu_{11}^2\mu_{21}\mu_{32}\mu_{15} - 12\mu_{20}\mu_{11}^2\mu_{21}\mu_{23}\mu_{24} \\
& +24\mu_{20}\mu_{11}^2\mu_{21}\mu_{14}\mu_{33} + 12\mu_{20}\mu_{11}^2\mu_{12}\mu_{32}\mu_{24} + 12\mu_{20}\mu_{11}^2\mu_{12}\mu_{23}\mu_{33} \\
& -24\mu_{20}\mu_{11}^2\mu_{12}\mu_{14}\mu_{42} - 4\mu_{20}\mu_{11}^2\mu_{03}\mu_{32}\mu_{33} - 4\mu_{20}\mu_{11}^2\mu_{03}\mu_{23}\mu_{42} \\
& +8\mu_{20}\mu_{11}^2\mu_{03}\mu_{14}\mu_{51} - 4\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{41}\mu_{06} \\
& +4\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{14}\mu_{33} + 12\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{41}\mu_{15} \\
& -12\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{14}\mu_{42} - 12\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{41}\mu_{24} \\
& +12\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{14}\mu_{51} + 4\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{41}\mu_{33} \\
& -4\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{14}\mu_{60} + \mu_{20}\mu_{02}^2\mu_{30}\mu_{50}\mu_{06} - \mu_{20}\mu_{02}^2\mu_{30}\mu_{41}\mu_{15} \\
& +2\mu_{20}\mu_{02}^2\mu_{30}\mu_{32}\mu_{24} - 2\mu_{20}\mu_{02}^2\mu_{30}\mu_{23}\mu_{33} - 3\mu_{20}\mu_{02}^2\mu_{21}\mu_{50}\mu_{15} \\
& +3\mu_{20}\mu_{02}^2\mu_{21}\mu_{41}\mu_{24} - 6\mu_{20}\mu_{02}^2\mu_{21}\mu_{32}\mu_{33} + 6\mu_{20}\mu_{02}^2\mu_{21}\mu_{23}\mu_{42} \\
& +3\mu_{20}\mu_{02}^2\mu_{12}\mu_{50}\mu_{24} - 3\mu_{20}\mu_{02}^2\mu_{12}\mu_{41}\mu_{33} + 6\mu_{20}\mu_{02}^2\mu_{12}\mu_{32}\mu_{42} \\
& -6\mu_{20}\mu_{02}^2\mu_{12}\mu_{23}\mu_{51} - \mu_{20}\mu_{02}^2\mu_{03}\mu_{50}\mu_{33} + \mu_{20}\mu_{02}^2\mu_{03}\mu_{41}\mu_{42} \\
& -2\mu_{20}\mu_{02}^2\mu_{03}\mu_{32}\mu_{51} + 2\mu_{20}\mu_{02}^2\mu_{03}\mu_{23}\mu_{60} - 8\mu_{11}^3\mu_{30}\mu_{32}\mu_{15} \\
& +8\mu_{11}^3\mu_{30}\mu_{23}\mu_{24} + 24\mu_{11}^3\mu_{21}\mu_{32}\mu_{24} - 24\mu_{11}^3\mu_{21}\mu_{23}\mu_{33} - 24\mu_{11}^3\mu_{12}\mu_{32}\mu_{33} \\
& +24\mu_{11}^3\mu_{12}\mu_{23}\mu_{42} + 8\mu_{11}^3\mu_{03}\mu_{32}\mu_{42} - 8\mu_{11}^3\mu_{03}\mu_{23}\mu_{51} \\
& +8\mu_{11}^2\mu_{02}\mu_{30}\mu_{41}\mu_{15} - 4\mu_{11}^2\mu_{02}\mu_{30}\mu_{32}\mu_{24} - 4\mu_{11}^2\mu_{02}\mu_{30}\mu_{23}\mu_{33} \\
& -24\mu_{11}^2\mu_{02}\mu_{21}\mu_{41}\mu_{24} + 12\mu_{11}^2\mu_{02}\mu_{21}\mu_{32}\mu_{33} + 12\mu_{11}^2\mu_{02}\mu_{21}\mu_{23}\mu_{42} \\
& +24\mu_{11}^2\mu_{02}\mu_{12}\mu_{41}\mu_{33} - 12\mu_{11}^2\mu_{02}\mu_{12}\mu_{32}\mu_{42} - 12\mu_{11}^2\mu_{02}\mu_{12}\mu_{23}\mu_{51} \\
& -8\mu_{11}^2\mu_{02}\mu_{03}\mu_{41}\mu_{42} + 4\mu_{11}^2\mu_{02}\mu_{03}\mu_{32}\mu_{51} + 4\mu_{11}^2\mu_{02}\mu_{03}\mu_{23}\mu_{60} \\
& -2\mu_{11}\mu_{02}^2\mu_{30}\mu_{50}\mu_{15} - 2\mu_{11}\mu_{02}^2\mu_{30}\mu_{41}\mu_{24} + 4\mu_{11}\mu_{02}^2\mu_{30}\mu_{32}\mu_{33} \\
& +6\mu_{11}\mu_{02}^2\mu_{21}\mu_{50}\mu_{24} + 6\mu_{11}\mu_{02}^2\mu_{21}\mu_{41}\mu_{33} - 12\mu_{11}\mu_{02}^2\mu_{21}\mu_{32}\mu_{42} \\
& -6\mu_{11}\mu_{02}^2\mu_{12}\mu_{50}\mu_{33} - 6\mu_{11}\mu_{02}^2\mu_{12}\mu_{41}\mu_{42} + 12\mu_{11}\mu_{02}^2\mu_{12}\mu_{32}\mu_{51} \\
& +2\mu_{11}\mu_{02}^2\mu_{03}\mu_{50}\mu_{42} + 2\mu_{11}\mu_{02}^2\mu_{03}\mu_{41}\mu_{51} - 4\mu_{11}\mu_{02}^2\mu_{03}\mu_{32}\mu_{60} \\
& +\mu_{02}^3\mu_{30}\mu_{50}\mu_{24} - \mu_{02}^3\mu_{30}\mu_{41}\mu_{33} - 3\mu_{02}^3\mu_{21}\mu_{50}\mu_{33} + 3\mu_{02}^3\mu_{21}\mu_{41}\mu_{42} \\
& +3\mu_{02}^3\mu_{12}\mu_{50}\mu_{42} - 3\mu_{02}^3\mu_{12}\mu_{41}\mu_{51} - \mu_{02}^3\mu_{03}\mu_{50}\mu_{51} + \mu_{02}^3\mu_{03}\mu_{41}\mu_{60})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 3,1,0,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |



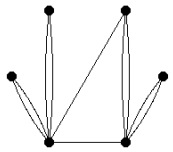
$$
\begin{aligned}
I_{187} \;=\; & (\mu_{20}^3\mu_{30}\mu_{14}\mu_{06} - \mu_{20}^3\mu_{30}\mu_{05}\mu_{15} - 2\mu_{20}^3\mu_{21}\mu_{23}\mu_{06} + \mu_{20}^3\mu_{21}\mu_{14}\mu_{15} \\
& +\mu_{20}^3\mu_{21}\mu_{05}\mu_{24} + \mu_{20}^3\mu_{12}\mu_{32}\mu_{06} + \mu_{20}^3\mu_{12}\mu_{23}\mu_{15} - 2\mu_{20}^3\mu_{12}\mu_{14}\mu_{24} \\
& -\mu_{20}^3\mu_{03}\mu_{32}\mu_{15} + \mu_{20}^3\mu_{03}\mu_{23}\mu_{24} - 2\mu_{20}^2\mu_{11}\mu_{30}\mu_{23}\mu_{06} \\
& -2\mu_{20}^2\mu_{11}\mu_{30}\mu_{14}\mu_{15} + 4\mu_{20}^2\mu_{11}\mu_{30}\mu_{05}\mu_{24} + 4\mu_{20}^2\mu_{11}\mu_{21}\mu_{32}\mu_{06} \\
& +6\mu_{20}^2\mu_{11}\mu_{21}\mu_{23}\mu_{15} - 6\mu_{20}^2\mu_{11}\mu_{21}\mu_{14}\mu_{24} - 4\mu_{20}^2\mu_{11}\mu_{21}\mu_{05}\mu_{33} \\
& -2\mu_{20}^2\mu_{11}\mu_{12}\mu_{41}\mu_{06} - 6\mu_{20}^2\mu_{11}\mu_{12}\mu_{32}\mu_{15} + 8\mu_{20}^2\mu_{11}\mu_{12}\mu_{14}\mu_{33} \\
& +2\mu_{20}^2\mu_{11}\mu_{03}\mu_{41}\mu_{15} + 2\mu_{20}^2\mu_{11}\mu_{03}\mu_{32}\mu_{24} - 4\mu_{20}^2\mu_{11}\mu_{03}\mu_{23}\mu_{33} \\
& +\mu_{20}^2\mu_{02}\mu_{30}\mu_{32}\mu_{06} - \mu_{20}^2\mu_{02}\mu_{30}\mu_{23}\mu_{15} + 2\mu_{20}^2\mu_{02}\mu_{30}\mu_{14}\mu_{24} \\
& -2\mu_{20}^2\mu_{02}\mu_{30}\mu_{05}\mu_{33} - 2\mu_{20}^2\mu_{02}\mu_{21}\mu_{41}\mu_{06} + \mu_{20}^2\mu_{02}\mu_{21}\mu_{32}\mu_{15} \\
& -3\mu_{20}^2\mu_{02}\mu_{21}\mu_{23}\mu_{24} + 2\mu_{20}^2\mu_{02}\mu_{21}\mu_{14}\mu_{33} + 2\mu_{20}^2\mu_{02}\mu_{21}\mu_{05}\mu_{42} \\
& +\mu_{20}^2\mu_{02}\mu_{12}\mu_{50}\mu_{06} + \mu_{20}^2\mu_{02}\mu_{12}\mu_{41}\mu_{15} + 2\mu_{20}^2\mu_{02}\mu_{12}\mu_{23}\mu_{33} \\
& -4\mu_{20}^2\mu_{02}\mu_{12}\mu_{14}\mu_{42} - \mu_{20}^2\mu_{02}\mu_{03}\mu_{50}\mu_{15} + \mu_{20}^2\mu_{02}\mu_{03}\mu_{41}\mu_{24} \\
& -2\mu_{20}^2\mu_{02}\mu_{03}\mu_{32}\mu_{33} + 2\mu_{20}^2\mu_{02}\mu_{03}\mu_{23}\mu_{42} + 8\mu_{20}\mu_{11}^2\mu_{30}\mu_{23}\mu_{15} \\
& -4\mu_{20}\mu_{11}^2\mu_{30}\mu_{14}\mu_{24} - 4\mu_{20}\mu_{11}^2\mu_{30}\mu_{05}\mu_{33} - 16\mu_{20}\mu_{11}^2\mu_{21}\mu_{32}\mu_{15} \\
& +12\mu_{20}\mu_{11}^2\mu_{21}\mu_{14}\mu_{33} + 4\mu_{20}\mu_{11}^2\mu_{21}\mu_{05}\mu_{42} + 8\mu_{20}\mu_{11}^2\mu_{12}\mu_{41}\mu_{15} \\
& +12\mu_{20}\mu_{11}^2\mu_{12}\mu_{32}\mu_{24} - 12\mu_{20}\mu_{11}^2\mu_{12}\mu_{23}\mu_{33} - 8\mu_{20}\mu_{11}^2\mu_{12}\mu_{14}\mu_{42} \\
& -8\mu_{20}\mu_{11}^2\mu_{03}\mu_{41}\mu_{24} + 4\mu_{20}\mu_{11}^2\mu_{03}\mu_{32}\mu_{33} + 4\mu_{20}\mu_{11}^2\mu_{03}\mu_{23}\mu_{42} \\
& -4\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{32}\mu_{15} + 4\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{05}\mu_{42} \\
& +8\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{41}\mu_{15} + 4\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{32}\mu_{24} \\
& -8\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{14}\mu_{42} - 4\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{05}\mu_{51} \\
& -4\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{50}\mu_{15} - 8\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{41}\mu_{24} \\
& +4\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{23}\mu_{42} + 8\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{14}\mu_{51} \\
& +4\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{50}\mu_{24} - 4\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{23}\mu_{51} \\
& +2\mu_{20}\mu_{02}^2\mu_{30}\mu_{32}\mu_{24} - 2\mu_{20}\mu_{02}^2\mu_{30}\mu_{23}\mu_{33} + \mu_{20}\mu_{02}^2\mu_{30}\mu_{14}\mu_{42} \\
& -\mu_{20}\mu_{02}^2\mu_{30}\mu_{05}\mu_{51} - 4\mu_{20}\mu_{02}^2\mu_{21}\mu_{41}\mu_{24} + 2\mu_{20}\mu_{02}^2\mu_{21}\mu_{32}\mu_{33} \\
& +\mu_{20}\mu_{02}^2\mu_{21}\mu_{14}\mu_{51} + \mu_{20}\mu_{02}^2\mu_{21}\mu_{05}\mu_{60} + 2\mu_{20}\mu_{02}^2\mu_{12}\mu_{50}\mu_{24} \\
& +2\mu_{20}\mu_{02}^2\mu_{12}\mu_{41}\mu_{33} - 3\mu_{20}\mu_{02}^2\mu_{12}\mu_{32}\mu_{42} + \mu_{20}\mu_{02}^2\mu_{12}\mu_{23}\mu_{51} \\
& -2\mu_{20}\mu_{02}^2\mu_{12}\mu_{14}\mu_{60} - 2\mu_{20}\mu_{02}^2\mu_{03}\mu_{50}\mu_{33} + 2\mu_{20}\mu_{02}^2\mu_{03}\mu_{41}\mu_{42} \\
& -\mu_{20}\mu_{02}^2\mu_{03}\mu_{32}\mu_{51} + \mu_{20}\mu_{02}^2\mu_{03}\mu_{23}\mu_{60} - 8\mu_{11}^3\mu_{30}\mu_{23}\mu_{24} \\
& +8\mu_{11}^3\mu_{30}\mu_{14}\mu_{33} + 16\mu_{11}^3\mu_{21}\mu_{32}\mu_{24} - 8\mu_{11}^3\mu_{21}\mu_{23}\mu_{33} - 8\mu_{11}^3\mu_{21}\mu_{14}\mu_{42} \\
& -8\mu_{11}^3\mu_{12}\mu_{41}\mu_{24} - 8\mu_{11}^3\mu_{12}\mu_{32}\mu_{33} + 16\mu_{11}^3\mu_{12}\mu_{23}\mu_{42} + 8\mu_{11}^3\mu_{03}\mu_{41}\mu_{33} \\
& -8\mu_{11}^3\mu_{03}\mu_{32}\mu_{42} + 4\mu_{11}^2\mu_{02}\mu_{30}\mu_{32}\mu_{24} + 4\mu_{11}^2\mu_{02}\mu_{30}\mu_{23}\mu_{33} \\
& -8\mu_{11}^2\mu_{02}\mu_{30}\mu_{14}\mu_{42} - 8\mu_{11}^2\mu_{02}\mu_{21}\mu_{41}\mu_{24} - 12\mu_{11}^2\mu_{02}\mu_{21}\mu_{32}\mu_{33} \\
& +12\mu_{11}^2\mu_{02}\mu_{21}\mu_{23}\mu_{42} + 8\mu_{11}^2\mu_{02}\mu_{21}\mu_{14}\mu_{51} + 4\mu_{11}^2\mu_{02}\mu_{12}\mu_{50}\mu_{24} \\
& +12\mu_{11}^2\mu_{02}\mu_{12}\mu_{41}\mu_{33} - 16\mu_{11}^2\mu_{02}\mu_{12}\mu_{23}\mu_{51} - 4\mu_{11}^2\mu_{02}\mu_{03}\mu_{50}\mu_{33} \\
& -4\mu_{11}^2\mu_{02}\mu_{03}\mu_{41}\mu_{42} + 8\mu_{11}^2\mu_{02}\mu_{03}\mu_{32}\mu_{51} - 4\mu_{11}\mu_{02}^2\mu_{30}\mu_{32}\mu_{33} \\
& +2\mu_{11}\mu_{02}^2\mu_{30}\mu_{23}\mu_{42} + 2\mu_{11}\mu_{02}^2\mu_{30}\mu_{14}\mu_{51} + 8\mu_{11}\mu_{02}^2\mu_{21}\mu_{41}\mu_{33} \\
& -6\mu_{11}\mu_{02}^2\mu_{21}\mu_{23}\mu_{51} - 2\mu_{11}\mu_{02}^2\mu_{21}\mu_{14}\mu_{60} - 4\mu_{11}\mu_{02}^2\mu_{12}\mu_{50}\mu_{33} \\
& -6\mu_{11}\mu_{02}^2\mu_{12}\mu_{41}\mu_{42} + 6\mu_{11}\mu_{02}^2\mu_{12}\mu_{32}\mu_{51} + 4\mu_{11}\mu_{02}^2\mu_{12}\mu_{23}\mu_{60} \\
& +4\mu_{11}\mu_{02}^2\mu_{03}\mu_{50}\mu_{42} - 2\mu_{11}\mu_{02}^2\mu_{03}\mu_{41}\mu_{51} - 2\mu_{11}\mu_{02}^2\mu_{03}\mu_{32}\mu_{60} \\
& +\mu_{02}^3\mu_{30}\mu_{32}\mu_{42} - \mu_{02}^3\mu_{30}\mu_{23}\mu_{51} - 2\mu_{02}^3\mu_{21}\mu_{41}\mu_{42} + \mu_{02}^3\mu_{21}\mu_{32}\mu_{51} \\
& +\mu_{02}^3\mu_{21}\mu_{23}\mu_{60} + \mu_{02}^3\mu_{12}\mu_{50}\mu_{42} + \mu_{02}^3\mu_{12}\mu_{41}\mu_{51} - 2\mu_{02}^3\mu_{12}\mu_{32}\mu_{60} \\
& -\mu_{02}^3\mu_{03}\mu_{50}\mu_{51} + \mu_{02}^3\mu_{03}\mu_{41}\mu_{60})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 3,1,0,1,1

Generating graph:

| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |

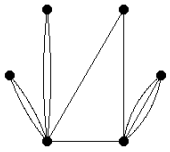


$$
\begin{aligned}
I_{188} \;=\; & (\mu_{20}^3\mu_{30}\mu_{14}\mu_{06} - \mu_{20}^3\mu_{30}\mu_{05}\mu_{15} - 3\mu_{20}^3\mu_{21}\mu_{23}\mu_{06} + 3\mu_{20}^3\mu_{21}\mu_{14}\mu_{15} \\
& +3\mu_{20}^3\mu_{12}\mu_{32}\mu_{06} - 3\mu_{20}^3\mu_{12}\mu_{23}\mu_{15} - \mu_{20}^3\mu_{03}\mu_{41}\mu_{06} + \mu_{20}^3\mu_{03}\mu_{32}\mu_{15} \\
& -\mu_{20}^2\mu_{11}\mu_{30}\mu_{23}\mu_{06} - 4\mu_{20}^2\mu_{11}\mu_{30}\mu_{14}\mu_{15} + 5\mu_{20}^2\mu_{11}\mu_{30}\mu_{05}\mu_{24} \\
& +3\mu_{20}^2\mu_{11}\mu_{21}\mu_{32}\mu_{06} + 12\mu_{20}^2\mu_{11}\mu_{21}\mu_{23}\mu_{15} - 15\mu_{20}^2\mu_{11}\mu_{21}\mu_{14}\mu_{24} \\
& -3\mu_{20}^2\mu_{11}\mu_{12}\mu_{41}\mu_{06} - 12\mu_{20}^2\mu_{11}\mu_{12}\mu_{32}\mu_{15} + 15\mu_{20}^2\mu_{11}\mu_{12}\mu_{23}\mu_{24} \\
& +\mu_{20}^2\mu_{11}\mu_{03}\mu_{50}\mu_{06} + 4\mu_{20}^2\mu_{11}\mu_{03}\mu_{41}\mu_{15} - 5\mu_{20}^2\mu_{11}\mu_{03}\mu_{32}\mu_{24} \\
& +\mu_{20}^2\mu_{02}\mu_{30}\mu_{23}\mu_{15} + \mu_{20}^2\mu_{02}\mu_{30}\mu_{14}\mu_{24} - 2\mu_{20}^2\mu_{02}\mu_{30}\mu_{05}\mu_{33} \\
& -3\mu_{20}^2\mu_{02}\mu_{21}\mu_{32}\mu_{15} - 3\mu_{20}^2\mu_{02}\mu_{21}\mu_{23}\mu_{24} + 6\mu_{20}^2\mu_{02}\mu_{21}\mu_{14}\mu_{33} \\
& +3\mu_{20}^2\mu_{02}\mu_{12}\mu_{41}\mu_{15} + 3\mu_{20}^2\mu_{02}\mu_{12}\mu_{32}\mu_{24} - 6\mu_{20}^2\mu_{02}\mu_{12}\mu_{23}\mu_{33} \\
& -\mu_{20}^2\mu_{02}\mu_{03}\mu_{50}\mu_{15} - \mu_{20}^2\mu_{02}\mu_{03}\mu_{41}\mu_{24} + 2\mu_{20}^2\mu_{02}\mu_{03}\mu_{32}\mu_{33} \\
& +4\mu_{20}\mu_{11}^2\mu_{30}\mu_{23}\mu_{15} + 4\mu_{20}\mu_{11}^2\mu_{30}\mu_{14}\mu_{24} - 8\mu_{20}\mu_{11}^2\mu_{30}\mu_{05}\mu_{33} \\
& -12\mu_{20}\mu_{11}^2\mu_{21}\mu_{32}\mu_{15} - 12\mu_{20}\mu_{11}^2\mu_{21}\mu_{23}\mu_{24} + 24\mu_{20}\mu_{11}^2\mu_{21}\mu_{14}\mu_{33} \\
& +12\mu_{20}\mu_{11}^2\mu_{12}\mu_{41}\mu_{15} + 12\mu_{20}\mu_{11}^2\mu_{12}\mu_{32}\mu_{24} - 24\mu_{20}\mu_{11}^2\mu_{12}\mu_{23}\mu_{33} \\
& -4\mu_{20}\mu_{11}^2\mu_{03}\mu_{50}\mu_{15} - 4\mu_{20}\mu_{11}^2\mu_{03}\mu_{41}\mu_{24} + 8\mu_{20}\mu_{11}^2\mu_{03}\mu_{32}\mu_{33} \\
& -6\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{23}\mu_{24} + 6\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{05}\mu_{42} \\
& +18\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{32}\mu_{24} - 18\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{14}\mu_{42} \\
& -18\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{41}\mu_{24} + 18\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{23}\mu_{42} \\
& +6\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{50}\mu_{24} - 6\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{32}\mu_{42} \\
& +2\mu_{20}\mu_{02}^2\mu_{30}\mu_{23}\mu_{33} - \mu_{20}\mu_{02}^2\mu_{30}\mu_{14}\mu_{42} - \mu_{20}\mu_{02}^2\mu_{30}\mu_{05}\mu_{51} \\
& -6\mu_{20}\mu_{02}^2\mu_{21}\mu_{32}\mu_{33} + 3\mu_{20}\mu_{02}^2\mu_{21}\mu_{23}\mu_{42} + 3\mu_{20}\mu_{02}^2\mu_{21}\mu_{14}\mu_{51} \\
& +6\mu_{20}\mu_{02}^2\mu_{12}\mu_{41}\mu_{33} - 3\mu_{20}\mu_{02}^2\mu_{12}\mu_{32}\mu_{42} - 3\mu_{20}\mu_{02}^2\mu_{12}\mu_{23}\mu_{51} \\
& -2\mu_{20}\mu_{02}^2\mu_{03}\mu_{50}\mu_{33} + \mu_{20}\mu_{02}^2\mu_{03}\mu_{41}\mu_{42} + \mu_{20}\mu_{02}^2\mu_{03}\mu_{32}\mu_{51} \\
& -4\mu_{11}^3\mu_{30}\mu_{23}\mu_{24} + 4\mu_{11}^3\mu_{30}\mu_{05}\mu_{42} + 12\mu_{11}^3\mu_{21}\mu_{32}\mu_{24} - 12\mu_{11}^3\mu_{21}\mu_{14}\mu_{42} \\
& -12\mu_{11}^3\mu_{12}\mu_{41}\mu_{24} + 12\mu_{11}^3\mu_{12}\mu_{23}\mu_{42} + 4\mu_{11}^3\mu_{03}\mu_{50}\mu_{24} - 4\mu_{11}^3\mu_{03}\mu_{32}\mu_{42} \\
& +8\mu_{11}^2\mu_{02}\mu_{30}\mu_{23}\mu_{33} - 4\mu_{11}^2\mu_{02}\mu_{30}\mu_{14}\mu_{42} - 4\mu_{11}^2\mu_{02}\mu_{30}\mu_{05}\mu_{51} \\
& -24\mu_{11}^2\mu_{02}\mu_{21}\mu_{32}\mu_{33} + 12\mu_{11}^2\mu_{02}\mu_{21}\mu_{23}\mu_{42} + 12\mu_{11}^2\mu_{02}\mu_{21}\mu_{14}\mu_{51} \\
& +24\mu_{11}^2\mu_{02}\mu_{12}\mu_{41}\mu_{33} - 12\mu_{11}^2\mu_{02}\mu_{12}\mu_{32}\mu_{42} - 12\mu_{11}^2\mu_{02}\mu_{12}\mu_{23}\mu_{51} \\
& -8\mu_{11}^2\mu_{02}\mu_{03}\mu_{50}\mu_{33} + 4\mu_{11}^2\mu_{02}\mu_{03}\mu_{41}\mu_{42} + 4\mu_{11}^2\mu_{02}\mu_{03}\mu_{32}\mu_{51} \\
& -5\mu_{11}\mu_{02}^2\mu_{30}\mu_{23}\mu_{42} + 4\mu_{11}\mu_{02}^2\mu_{30}\mu_{14}\mu_{51} + \mu_{11}\mu_{02}^2\mu_{30}\mu_{05}\mu_{60} \\
& +15\mu_{11}\mu_{02}^2\mu_{21}\mu_{32}\mu_{42} - 12\mu_{11}\mu_{02}^2\mu_{21}\mu_{23}\mu_{51} - 3\mu_{11}\mu_{02}^2\mu_{21}\mu_{14}\mu_{60} \\
& -15\mu_{11}\mu_{02}^2\mu_{12}\mu_{41}\mu_{42} + 12\mu_{11}\mu_{02}^2\mu_{12}\mu_{32}\mu_{51} + 3\mu_{11}\mu_{02}^2\mu_{12}\mu_{23}\mu_{60} \\
& +5\mu_{11}\mu_{02}^2\mu_{03}\mu_{50}\mu_{42} - 4\mu_{11}\mu_{02}^2\mu_{03}\mu_{41}\mu_{51} - \mu_{11}\mu_{02}^2\mu_{03}\mu_{32}\mu_{60} \\
& +\mu_{02}^3\mu_{30}\mu_{23}\mu_{51} - \mu_{02}^3\mu_{30}\mu_{14}\mu_{60} - 3\mu_{02}^3\mu_{21}\mu_{32}\mu_{51} + 3\mu_{02}^3\mu_{21}\mu_{23}\mu_{60} \\
& +3\mu_{02}^3\mu_{12}\mu_{41}\mu_{51} - 3\mu_{02}^3\mu_{12}\mu_{32}\mu_{60} - \mu_{02}^3\mu_{03}\mu_{50}\mu_{51} + \mu_{02}^3\mu_{03}\mu_{41}\mu_{60})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 3,1,0,1,1
Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 6 |



$$
\begin{aligned}
I_{189} \;=\; & (\mu_{20}^3\mu_{21}\mu_{23}\mu_{06} - 2\mu_{20}^3\mu_{21}\mu_{14}\mu_{15} + \mu_{20}^3\mu_{21}\mu_{05}\mu_{24} - 2\mu_{20}^3\mu_{12}\mu_{23}\mu_{15} \\
& +4\mu_{20}^3\mu_{12}\mu_{14}\mu_{24} - 2\mu_{20}^3\mu_{12}\mu_{05}\mu_{33} + \mu_{20}^3\mu_{03}\mu_{23}\mu_{24} - 2\mu_{20}^3\mu_{03}\mu_{14}\mu_{33} \\
& +\mu_{20}^3\mu_{03}\mu_{05}\mu_{42} - \mu_{20}^2\mu_{11}\mu_{30}\mu_{23}\mu_{06} + 2\mu_{20}^2\mu_{11}\mu_{30}\mu_{14}\mu_{15} \\
& -\mu_{20}^2\mu_{11}\mu_{30}\mu_{05}\mu_{24} - 3\mu_{20}^2\mu_{11}\mu_{21}\mu_{32}\mu_{06} + 6\mu_{20}^2\mu_{11}\mu_{21}\mu_{23}\mu_{15} \\
& -3\mu_{20}^2\mu_{11}\mu_{21}\mu_{14}\mu_{24} + 6\mu_{20}^2\mu_{11}\mu_{12}\mu_{32}\mu_{15} - 9\mu_{20}^2\mu_{11}\mu_{12}\mu_{23}\mu_{24} \\
& +3\mu_{20}^2\mu_{11}\mu_{12}\mu_{05}\mu_{42} - 3\mu_{20}^2\mu_{11}\mu_{03}\mu_{32}\mu_{24} + 4\mu_{20}^2\mu_{11}\mu_{03}\mu_{23}\mu_{33} \\
& +\mu_{20}^2\mu_{11}\mu_{03}\mu_{14}\mu_{42} - 2\mu_{20}^2\mu_{11}\mu_{03}\mu_{05}\mu_{51} + \mu_{20}^2\mu_{02}\mu_{30}\mu_{32}\mu_{06} \\
& -2\mu_{20}^2\mu_{02}\mu_{30}\mu_{23}\mu_{15} + \mu_{20}^2\mu_{02}\mu_{30}\mu_{14}\mu_{24} + \mu_{20}^2\mu_{02}\mu_{21}\mu_{41}\mu_{06} \\
& -4\mu_{20}^2\mu_{02}\mu_{21}\mu_{32}\mu_{15} + 6\mu_{20}^2\mu_{02}\mu_{21}\mu_{23}\mu_{24} - 4\mu_{20}^2\mu_{02}\mu_{21}\mu_{14}\mu_{33} \\
& +\mu_{20}^2\mu_{02}\mu_{21}\mu_{05}\mu_{42} - 2\mu_{20}^2\mu_{02}\mu_{12}\mu_{41}\mu_{15} + 5\mu_{20}^2\mu_{02}\mu_{12}\mu_{32}\mu_{24} \\
& -6\mu_{20}^2\mu_{02}\mu_{12}\mu_{23}\mu_{33} + 5\mu_{20}^2\mu_{02}\mu_{12}\mu_{14}\mu_{42} - 2\mu_{20}^2\mu_{02}\mu_{12}\mu_{05}\mu_{51} \\
& +\mu_{20}^2\mu_{02}\mu_{03}\mu_{41}\mu_{24} - 2\mu_{20}^2\mu_{02}\mu_{03}\mu_{32}\mu_{33} + 2\mu_{20}^2\mu_{02}\mu_{03}\mu_{23}\mu_{42} \\
& -2\mu_{20}^2\mu_{02}\mu_{03}\mu_{14}\mu_{51} + \mu_{20}^2\mu_{02}\mu_{03}\mu_{05}\mu_{60} + 2\mu_{20}\mu_{11}^2\mu_{30}\mu_{32}\mu_{06} \\
& -2\mu_{20}\mu_{11}^2\mu_{30}\mu_{23}\mu_{15} - 2\mu_{20}\mu_{11}^2\mu_{30}\mu_{14}\mu_{24} + 2\mu_{20}\mu_{11}^2\mu_{30}\mu_{05}\mu_{33} \\
& +2\mu_{20}\mu_{11}^2\mu_{21}\mu_{41}\mu_{06} - 2\mu_{20}\mu_{11}^2\mu_{21}\mu_{32}\mu_{15} - 6\mu_{20}\mu_{11}^2\mu_{21}\mu_{23}\mu_{24} \\
& +10\mu_{20}\mu_{11}^2\mu_{21}\mu_{14}\mu_{33} - 4\mu_{20}\mu_{11}^2\mu_{21}\mu_{05}\mu_{42} - 4\mu_{20}\mu_{11}^2\mu_{12}\mu_{41}\mu_{15} \\
& -2\mu_{20}\mu_{11}^2\mu_{12}\mu_{32}\mu_{24} + 18\mu_{20}\mu_{11}^2\mu_{12}\mu_{23}\mu_{33} - 14\mu_{20}\mu_{11}^2\mu_{12}\mu_{14}\mu_{42} \\
& +2\mu_{20}\mu_{11}^2\mu_{12}\mu_{05}\mu_{51} + 2\mu_{20}\mu_{11}^2\mu_{03}\mu_{41}\mu_{24} + 2\mu_{20}\mu_{11}^2\mu_{03}\mu_{32}\mu_{33} \\
& -10\mu_{20}\mu_{11}^2\mu_{03}\mu_{23}\mu_{42} + 6\mu_{20}\mu_{11}^2\mu_{03}\mu_{14}\mu_{51} - 3\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{41}\mu_{06} \\
& +4\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{32}\mu_{15} - \mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{05}\mu_{42} \\
& -\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{50}\mu_{06} + 6\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{41}\mu_{15} \\
& -8\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{32}\mu_{24} + 4\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{23}\mu_{33} \\
& -3\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{14}\mu_{42} + 2\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{05}\mu_{51} \\
& +2\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{50}\mu_{15} - 3\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{41}\mu_{24} \\
& +4\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{32}\mu_{33} - 8\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{23}\mu_{42} \\
& +6\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{14}\mu_{51} - \mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{05}\mu_{60} \\
& -\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{50}\mu_{24} + 4\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{23}\mu_{51} \\
& -3\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{14}\mu_{60} + \mu_{20}\mu_{02}^2\mu_{30}\mu_{50}\mu_{06} - 2\mu_{20}\mu_{02}^2\mu_{30}\mu_{41}\mu_{15} \\
& +2\mu_{20}\mu_{02}^2\mu_{30}\mu_{32}\mu_{24} - 2\mu_{20}\mu_{02}^2\mu_{30}\mu_{23}\mu_{33} + \mu_{20}\mu_{02}^2\mu_{30}\mu_{14}\mu_{42} \\
& -2\mu_{20}\mu_{02}^2\mu_{21}\mu_{50}\mu_{15} + 5\mu_{20}\mu_{02}^2\mu_{21}\mu_{41}\mu_{24} - 6\mu_{20}\mu_{02}^2\mu_{21}\mu_{32}\mu_{33} \\
& +5\mu_{20}\mu_{02}^2\mu_{21}\mu_{23}\mu_{42} - 2\mu_{20}\mu_{02}^2\mu_{21}\mu_{14}\mu_{51} + \mu_{20}\mu_{02}^2\mu_{12}\mu_{50}\mu_{24} \\
& -4\mu_{20}\mu_{02}^2\mu_{12}\mu_{41}\mu_{33} + 6\mu_{20}\mu_{02}^2\mu_{12}\mu_{32}\mu_{42} - 4\mu_{20}\mu_{02}^2\mu_{12}\mu_{23}\mu_{51} \\
& +\mu_{20}\mu_{02}^2\mu_{12}\mu_{14}\mu_{60} + \mu_{20}\mu_{02}^2\mu_{03}\mu_{41}\mu_{42} - 2\mu_{20}\mu_{02}^2\mu_{03}\mu_{32}\mu_{51} \\
& +\mu_{20}\mu_{02}^2\mu_{03}\mu_{23}\mu_{60} - 4\mu_{11}^3\mu_{30}\mu_{32}\mu_{15} + 8\mu_{11}^3\mu_{30}\mu_{23}\mu_{24} \\
& -4\mu_{11}^3\mu_{30}\mu_{14}\mu_{33} - 4\mu_{11}^3\mu_{21}\mu_{41}\mu_{15} + 16\mu_{11}^3\mu_{21}\mu_{32}\mu_{24} - 20\mu_{11}^3\mu_{21}\mu_{23}\mu_{33} \\
& +8\mu_{11}^3\mu_{21}\mu_{14}\mu_{42} + 8\mu_{11}^3\mu_{12}\mu_{41}\mu_{24} - 20\mu_{11}^3\mu_{12}\mu_{32}\mu_{33} + 16\mu_{11}^3\mu_{12}\mu_{23}\mu_{42} \\
& -4\mu_{11}^3\mu_{12}\mu_{14}\mu_{51} - 4\mu_{11}^3\mu_{03}\mu_{41}\mu_{33} + 8\mu_{11}^3\mu_{03}\mu_{32}\mu_{42} - 4\mu_{11}^3\mu_{03}\mu_{23}\mu_{51} \\
& +6\mu_{11}^2\mu_{02}\mu_{30}\mu_{41}\mu_{15} - 10\mu_{11}^2\mu_{02}\mu_{30}\mu_{32}\mu_{24} + 2\mu_{11}^2\mu_{02}\mu_{30}\mu_{23}\mu_{33} \\
& +2\mu_{11}^2\mu_{02}\mu_{30}\mu_{14}\mu_{42} + 2\mu_{11}^2\mu_{02}\mu_{21}\mu_{50}\mu_{15} - 14\mu_{11}^2\mu_{02}\mu_{21}\mu_{41}\mu_{24} \\
& +18\mu_{11}^2\mu_{02}\mu_{21}\mu_{32}\mu_{33} - 2\mu_{11}^2\mu_{02}\mu_{21}\mu_{23}\mu_{42} - 4\mu_{11}^2\mu_{02}\mu_{21}\mu_{14}\mu_{51} \\
& -4\mu_{11}^2\mu_{02}\mu_{12}\mu_{50}\mu_{24} + 10\mu_{11}^2\mu_{02}\mu_{12}\mu_{41}\mu_{33} - 6\mu_{11}^2\mu_{02}\mu_{12}\mu_{32}\mu_{42} \\
& -2\mu_{11}^2\mu_{02}\mu_{12}\mu_{23}\mu_{51} + 2\mu_{11}^2\mu_{02}\mu_{12}\mu_{14}\mu_{60} + 2\mu_{11}^2\mu_{02}\mu_{03}\mu_{50}\mu_{33} \\
& -2\mu_{11}^2\mu_{02}\mu_{03}\mu_{41}\mu_{42} - 2\mu_{11}^2\mu_{02}\mu_{03}\mu_{32}\mu_{51} + 2\mu_{11}^2\mu_{02}\mu_{03}\mu_{23}\mu_{60} \\
& -2\mu_{11}\mu_{02}^2\mu_{30}\mu_{50}\mu_{15} + \mu_{11}\mu_{02}^2\mu_{30}\mu_{41}\mu_{24} + 4\mu_{11}\mu_{02}^2\mu_{30}\mu_{32}\mu_{33} \\
& -3\mu_{11}\mu_{02}^2\mu_{30}\mu_{23}\mu_{42} + 3\mu_{11}\mu_{02}^2\mu_{21}\mu_{50}\mu_{24} - 9\mu_{11}\mu_{02}^2\mu_{21}\mu_{32}\mu_{42} \\
& +6\mu_{11}\mu_{02}^2\mu_{21}\mu_{23}\mu_{51} - 3\mu_{11}\mu_{02}^2\mu_{12}\mu_{41}\mu_{42} + 6\mu_{11}\mu_{02}^2\mu_{12}\mu_{32}\mu_{51}
\end{aligned}
$$

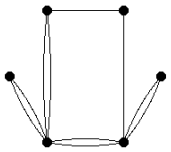
$$
\begin{aligned}
&-3\mu_{11}\mu_{02}^2\mu_{12}\mu_{23}\mu_{60} - \mu_{11}\mu_{02}^2\mu_{03}\mu_{50}\mu_{42} + 2\mu_{11}\mu_{02}^2\mu_{03}\mu_{41}\mu_{51}\\
&-\mu_{11}\mu_{02}^2\mu_{03}\mu_{32}\mu_{60} + \mu_{02}^3\mu_{30}\mu_{50}\mu_{24} - 2\mu_{02}^3\mu_{30}\mu_{41}\mu_{33}\\
&+\mu_{02}^3\mu_{30}\mu_{32}\mu_{42} - 2\mu_{02}^3\mu_{21}\mu_{50}\mu_{33} + 4\mu_{02}^3\mu_{21}\mu_{41}\mu_{42} - 2\mu_{02}^3\mu_{21}\mu_{32}\mu_{51}\\
&+\mu_{02}^3\mu_{12}\mu_{50}\mu_{42} - 2\mu_{02}^3\mu_{12}\mu_{41}\mu_{51} + \mu_{02}^3\mu_{12}\mu_{32}\mu_{60})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 3,1,0,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |



**Simultaneous invariants of the orders 3, 4, 5 and 6**

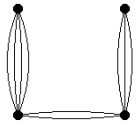
$$
\begin{aligned}
I_{190} \;=\; &(-\mu_{30}\mu_{40}\mu_{23}\mu_{06} + 2\mu_{30}\mu_{40}\mu_{14}\mu_{15} - \mu_{30}\mu_{40}\mu_{05}\mu_{24} + 4\mu_{30}\mu_{31}\mu_{23}\mu_{15}\\
&-8\mu_{30}\mu_{31}\mu_{14}\mu_{24} + 4\mu_{30}\mu_{31}\mu_{05}\mu_{33} - 6\mu_{30}\mu_{22}\mu_{23}\mu_{24} + 12\mu_{30}\mu_{22}\mu_{14}\mu_{33}\\
&-6\mu_{30}\mu_{22}\mu_{05}\mu_{42} + 4\mu_{30}\mu_{13}\mu_{23}\mu_{33} - 8\mu_{30}\mu_{13}\mu_{14}\mu_{42} + 4\mu_{30}\mu_{13}\mu_{05}\mu_{51}\\
&-\mu_{30}\mu_{04}\mu_{23}\mu_{42} + 2\mu_{30}\mu_{04}\mu_{14}\mu_{51} - \mu_{30}\mu_{04}\mu_{05}\mu_{60} + 3\mu_{21}\mu_{40}\mu_{32}\mu_{06}\\
&-6\mu_{21}\mu_{40}\mu_{23}\mu_{15} + 3\mu_{21}\mu_{40}\mu_{14}\mu_{24} - 12\mu_{21}\mu_{31}\mu_{32}\mu_{15} + 24\mu_{21}\mu_{31}\mu_{23}\mu_{24}\\
&-12\mu_{21}\mu_{31}\mu_{14}\mu_{33} + 18\mu_{21}\mu_{22}\mu_{32}\mu_{24} - 36\mu_{21}\mu_{22}\mu_{23}\mu_{33} + 18\mu_{21}\mu_{22}\mu_{14}\mu_{42}\\
&-12\mu_{21}\mu_{13}\mu_{32}\mu_{33} + 24\mu_{21}\mu_{13}\mu_{23}\mu_{42} - 12\mu_{21}\mu_{13}\mu_{14}\mu_{51} + 3\mu_{21}\mu_{04}\mu_{32}\mu_{42}\\
&-6\mu_{21}\mu_{04}\mu_{23}\mu_{51} + 3\mu_{21}\mu_{04}\mu_{14}\mu_{60} - 3\mu_{12}\mu_{40}\mu_{41}\mu_{06} + 6\mu_{12}\mu_{40}\mu_{32}\mu_{15}\\
&-3\mu_{12}\mu_{40}\mu_{23}\mu_{24} + 12\mu_{12}\mu_{31}\mu_{41}\mu_{15} - 24\mu_{12}\mu_{31}\mu_{32}\mu_{24} + 12\mu_{12}\mu_{31}\mu_{23}\mu_{33}\\
&-18\mu_{12}\mu_{22}\mu_{41}\mu_{24} + 36\mu_{12}\mu_{22}\mu_{32}\mu_{33} - 18\mu_{12}\mu_{22}\mu_{23}\mu_{42} + 12\mu_{12}\mu_{13}\mu_{41}\mu_{33}\\
&-24\mu_{12}\mu_{13}\mu_{32}\mu_{42} + 12\mu_{12}\mu_{13}\mu_{23}\mu_{51} - 3\mu_{12}\mu_{04}\mu_{41}\mu_{42} + 6\mu_{12}\mu_{04}\mu_{32}\mu_{51}\\
&-3\mu_{12}\mu_{04}\mu_{23}\mu_{60} + \mu_{03}\mu_{40}\mu_{50}\mu_{06} - 2\mu_{03}\mu_{40}\mu_{41}\mu_{15} + \mu_{03}\mu_{40}\mu_{32}\mu_{24}\\
&-4\mu_{03}\mu_{31}\mu_{50}\mu_{15} + 8\mu_{03}\mu_{31}\mu_{41}\mu_{24} - 4\mu_{03}\mu_{31}\mu_{32}\mu_{33} + 6\mu_{03}\mu_{22}\mu_{50}\mu_{24}\\
&-12\mu_{03}\mu_{22}\mu_{41}\mu_{33} + 6\mu_{03}\mu_{22}\mu_{32}\mu_{42} - 4\mu_{03}\mu_{13}\mu_{50}\mu_{33} + 8\mu_{03}\mu_{13}\mu_{41}\mu_{42}\\
&-4\mu_{03}\mu_{13}\mu_{32}\mu_{51} + \mu_{03}\mu_{04}\mu_{50}\mu_{42} - 2\mu_{03}\mu_{04}\mu_{41}\mu_{51} + \mu_{03}\mu_{04}\mu_{32}\mu_{60})/\mu_{00}^{13}
\end{aligned}
$$

weight=9

structure: 0,1,1,1,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |



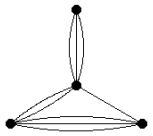
$$
\begin{aligned}
I_{191} \;=\; & (-\mu_{30}\mu_{40}\mu_{23}\mu_{06} + 2\mu_{30}\mu_{40}\mu_{14}\mu_{15} - \mu_{30}\mu_{40}\mu_{05}\mu_{24} + 3\mu_{30}\mu_{31}\mu_{32}\mu_{06} \\
& -5\mu_{30}\mu_{31}\mu_{23}\mu_{15} + \mu_{30}\mu_{31}\mu_{14}\mu_{24} + \mu_{30}\mu_{31}\mu_{05}\mu_{33} - 3\mu_{30}\mu_{22}\mu_{41}\mu_{06} \\
& +3\mu_{30}\mu_{22}\mu_{32}\mu_{15} + 3\mu_{30}\mu_{22}\mu_{23}\mu_{24} - 3\mu_{30}\mu_{22}\mu_{14}\mu_{33} + \mu_{30}\mu_{13}\mu_{50}\mu_{06} \\
& +\mu_{30}\mu_{13}\mu_{41}\mu_{15} - 5\mu_{30}\mu_{13}\mu_{32}\mu_{24} + 3\mu_{30}\mu_{13}\mu_{23}\mu_{33} - \mu_{30}\mu_{04}\mu_{50}\mu_{15} \\
& +2\mu_{30}\mu_{04}\mu_{41}\mu_{24} - \mu_{30}\mu_{04}\mu_{32}\mu_{33} + 3\mu_{21}\mu_{40}\mu_{23}\mu_{15} - 6\mu_{21}\mu_{40}\mu_{14}\mu_{24} \\
& +3\mu_{21}\mu_{40}\mu_{05}\mu_{33} - 9\mu_{21}\mu_{31}\mu_{32}\mu_{15} + 15\mu_{21}\mu_{31}\mu_{23}\mu_{24} - 3\mu_{21}\mu_{31}\mu_{14}\mu_{33} \\
& -3\mu_{21}\mu_{31}\mu_{05}\mu_{42} + 9\mu_{21}\mu_{22}\mu_{41}\mu_{15} - 9\mu_{21}\mu_{22}\mu_{32}\mu_{24} - 9\mu_{21}\mu_{22}\mu_{23}\mu_{33} \\
& +9\mu_{21}\mu_{22}\mu_{14}\mu_{42} - 3\mu_{21}\mu_{13}\mu_{50}\mu_{15} - 3\mu_{21}\mu_{13}\mu_{41}\mu_{24} + 15\mu_{21}\mu_{13}\mu_{32}\mu_{33} \\
& -9\mu_{21}\mu_{13}\mu_{23}\mu_{42} + 3\mu_{21}\mu_{04}\mu_{50}\mu_{24} - 6\mu_{21}\mu_{04}\mu_{41}\mu_{33} + 3\mu_{21}\mu_{04}\mu_{32}\mu_{42} \\
& -3\mu_{12}\mu_{40}\mu_{23}\mu_{24} + 6\mu_{12}\mu_{40}\mu_{14}\mu_{33} - 3\mu_{12}\mu_{40}\mu_{05}\mu_{42} + 9\mu_{12}\mu_{31}\mu_{32}\mu_{24} \\
& -15\mu_{12}\mu_{31}\mu_{23}\mu_{33} + 3\mu_{12}\mu_{31}\mu_{14}\mu_{42} + 3\mu_{12}\mu_{31}\mu_{05}\mu_{51} - 9\mu_{12}\mu_{22}\mu_{41}\mu_{24} \\
& +9\mu_{12}\mu_{22}\mu_{32}\mu_{33} + 9\mu_{12}\mu_{22}\mu_{23}\mu_{42} - 9\mu_{12}\mu_{22}\mu_{14}\mu_{51} + 3\mu_{12}\mu_{13}\mu_{50}\mu_{24} \\
& +3\mu_{12}\mu_{13}\mu_{41}\mu_{33} - 15\mu_{12}\mu_{13}\mu_{32}\mu_{42} + 9\mu_{12}\mu_{13}\mu_{23}\mu_{51} - 3\mu_{12}\mu_{04}\mu_{50}\mu_{33} \\
& +6\mu_{12}\mu_{04}\mu_{41}\mu_{42} - 3\mu_{12}\mu_{04}\mu_{32}\mu_{51} + \mu_{03}\mu_{40}\mu_{23}\mu_{33} - 2\mu_{03}\mu_{40}\mu_{14}\mu_{42} \\
& +\mu_{03}\mu_{40}\mu_{05}\mu_{51} - 3\mu_{03}\mu_{31}\mu_{32}\mu_{33} + 5\mu_{03}\mu_{31}\mu_{23}\mu_{42} - \mu_{03}\mu_{31}\mu_{14}\mu_{51} \\
& -\mu_{03}\mu_{31}\mu_{05}\mu_{60} + 3\mu_{03}\mu_{22}\mu_{41}\mu_{33} - 3\mu_{03}\mu_{22}\mu_{32}\mu_{42} - 3\mu_{03}\mu_{22}\mu_{23}\mu_{51} \\
& +3\mu_{03}\mu_{22}\mu_{14}\mu_{60} - \mu_{03}\mu_{13}\mu_{50}\mu_{33} - \mu_{03}\mu_{13}\mu_{41}\mu_{42} + 5\mu_{03}\mu_{13}\mu_{32}\mu_{51} \\
& -3\mu_{03}\mu_{13}\mu_{23}\mu_{60} + \mu_{03}\mu_{04}\mu_{50}\mu_{42} - 2\mu_{03}\mu_{04}\mu_{41}\mu_{51} + \mu_{03}\mu_{04}\mu_{32}\mu_{60})/\mu_{00}^{13}
\end{aligned}
$$

weight=9

structure: 0,1,1,1,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |



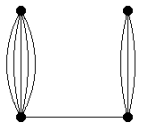
$$
\begin{aligned}
I_{192} \;=\; & (-\mu_{30}\mu_{13}\mu_{50}\mu_{06} + 5\mu_{30}\mu_{13}\mu_{41}\mu_{15} - 10\mu_{30}\mu_{13}\mu_{32}\mu_{24} + 10\mu_{30}\mu_{13}\mu_{23}\mu_{33} \\
& -5\mu_{30}\mu_{13}\mu_{14}\mu_{42} + \mu_{30}\mu_{13}\mu_{05}\mu_{51} + \mu_{30}\mu_{04}\mu_{50}\mu_{15} - 5\mu_{30}\mu_{04}\mu_{41}\mu_{24} \\
& +10\mu_{30}\mu_{04}\mu_{32}\mu_{33} - 10\mu_{30}\mu_{04}\mu_{23}\mu_{42} + 5\mu_{30}\mu_{04}\mu_{14}\mu_{51} - \mu_{30}\mu_{04}\mu_{05}\mu_{60} \\
& +3\mu_{21}\mu_{22}\mu_{50}\mu_{06} - 15\mu_{21}\mu_{22}\mu_{41}\mu_{15} + 30\mu_{21}\mu_{22}\mu_{32}\mu_{24} - 30\mu_{21}\mu_{22}\mu_{23}\mu_{33} \\
& +15\mu_{21}\mu_{22}\mu_{14}\mu_{42} - 3\mu_{21}\mu_{22}\mu_{05}\mu_{51} - 3\mu_{21}\mu_{13}\mu_{50}\mu_{15} + 15\mu_{21}\mu_{13}\mu_{41}\mu_{24} \\
& -30\mu_{21}\mu_{13}\mu_{32}\mu_{33} + 30\mu_{21}\mu_{13}\mu_{23}\mu_{42} - 15\mu_{21}\mu_{13}\mu_{14}\mu_{51} + 3\mu_{21}\mu_{13}\mu_{05}\mu_{60} \\
& -3\mu_{12}\mu_{31}\mu_{50}\mu_{06} + 15\mu_{12}\mu_{31}\mu_{41}\mu_{15} - 30\mu_{12}\mu_{31}\mu_{32}\mu_{24} + 30\mu_{12}\mu_{31}\mu_{23}\mu_{33} \\
& -15\mu_{12}\mu_{31}\mu_{14}\mu_{42} + 3\mu_{12}\mu_{31}\mu_{05}\mu_{51} + 3\mu_{12}\mu_{22}\mu_{50}\mu_{15} - 15\mu_{12}\mu_{22}\mu_{41}\mu_{24} \\
& +30\mu_{12}\mu_{22}\mu_{32}\mu_{33} - 30\mu_{12}\mu_{22}\mu_{23}\mu_{42} + 15\mu_{12}\mu_{22}\mu_{14}\mu_{51} - 3\mu_{12}\mu_{22}\mu_{05}\mu_{60} \\
& +\mu_{03}\mu_{40}\mu_{50}\mu_{06} - 5\mu_{03}\mu_{40}\mu_{41}\mu_{15} + 10\mu_{03}\mu_{40}\mu_{32}\mu_{24} - 10\mu_{03}\mu_{40}\mu_{23}\mu_{33} \\
& +5\mu_{03}\mu_{40}\mu_{14}\mu_{42} - \mu_{03}\mu_{40}\mu_{05}\mu_{51} - \mu_{03}\mu_{31}\mu_{50}\mu_{15} + 5\mu_{03}\mu_{31}\mu_{41}\mu_{24} \\
& -10\mu_{03}\mu_{31}\mu_{32}\mu_{33} + 10\mu_{03}\mu_{31}\mu_{23}\mu_{42} - 5\mu_{03}\mu_{31}\mu_{14}\mu_{51} + \mu_{03}\mu_{31}\mu_{05}\mu_{60})/\mu_{00}^{13}
\end{aligned}
$$

weight=9

structure: 0,1,1,1,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |



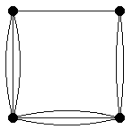
$$
\begin{aligned}
I_{193} \;=\; & (-\mu_{30}\mu_{31}\mu_{32}\mu_{06} + 3\mu_{30}\mu_{31}\mu_{23}\mu_{15} - 3\mu_{30}\mu_{31}\mu_{14}\mu_{24} + \mu_{30}\mu_{31}\mu_{05}\mu_{33} \\
& +3\mu_{30}\mu_{22}\mu_{32}\mu_{15} - 9\mu_{30}\mu_{22}\mu_{23}\mu_{24} + 9\mu_{30}\mu_{22}\mu_{14}\mu_{33} - 3\mu_{30}\mu_{22}\mu_{05}\mu_{42} \\
& -3\mu_{30}\mu_{13}\mu_{32}\mu_{24} + 9\mu_{30}\mu_{13}\mu_{23}\mu_{33} - 9\mu_{30}\mu_{13}\mu_{14}\mu_{42} + 3\mu_{30}\mu_{13}\mu_{05}\mu_{51} \\
& +\mu_{30}\mu_{04}\mu_{32}\mu_{33} - 3\mu_{30}\mu_{04}\mu_{23}\mu_{42} + 3\mu_{30}\mu_{04}\mu_{14}\mu_{51} - \mu_{30}\mu_{04}\mu_{05}\mu_{60} \\
& +\mu_{21}\mu_{40}\mu_{32}\mu_{06} - 3\mu_{21}\mu_{40}\mu_{23}\mu_{15} + 3\mu_{21}\mu_{40}\mu_{14}\mu_{24} - \mu_{21}\mu_{40}\mu_{05}\mu_{33} \\
& +2\mu_{21}\mu_{31}\mu_{41}\mu_{06} - 9\mu_{21}\mu_{31}\mu_{32}\mu_{15} + 15\mu_{21}\mu_{31}\mu_{23}\mu_{24} - 11\mu_{21}\mu_{31}\mu_{14}\mu_{33} \\
& +3\mu_{21}\mu_{31}\mu_{05}\mu_{42} - 6\mu_{21}\mu_{22}\mu_{41}\mu_{15} + 21\mu_{21}\mu_{22}\mu_{32}\mu_{24} - 27\mu_{21}\mu_{22}\mu_{23}\mu_{33} \\
& +15\mu_{21}\mu_{22}\mu_{14}\mu_{42} - 3\mu_{21}\mu_{22}\mu_{05}\mu_{51} + 6\mu_{21}\mu_{13}\mu_{41}\mu_{24} - 19\mu_{21}\mu_{13}\mu_{32}\mu_{33} \\
& +21\mu_{21}\mu_{13}\mu_{23}\mu_{42} - 9\mu_{21}\mu_{13}\mu_{14}\mu_{51} + \mu_{21}\mu_{13}\mu_{05}\mu_{60} - 2\mu_{21}\mu_{04}\mu_{41}\mu_{33} \\
& +6\mu_{21}\mu_{04}\mu_{32}\mu_{42} - 6\mu_{21}\mu_{04}\mu_{23}\mu_{51} + 2\mu_{21}\mu_{04}\mu_{14}\mu_{60} - 2\mu_{12}\mu_{40}\mu_{41}\mu_{06} \\
& +6\mu_{12}\mu_{40}\mu_{32}\mu_{15} - 6\mu_{12}\mu_{40}\mu_{23}\mu_{24} + 2\mu_{12}\mu_{40}\mu_{14}\mu_{33} - \mu_{12}\mu_{31}\mu_{50}\mu_{06} \\
& +9\mu_{12}\mu_{31}\mu_{41}\mu_{15} - 21\mu_{12}\mu_{31}\mu_{32}\mu_{24} + 19\mu_{12}\mu_{31}\mu_{23}\mu_{33} - 6\mu_{12}\mu_{31}\mu_{14}\mu_{42} \\
& +3\mu_{12}\mu_{22}\mu_{50}\mu_{15} - 15\mu_{12}\mu_{22}\mu_{41}\mu_{24} + 27\mu_{12}\mu_{22}\mu_{32}\mu_{33} - 21\mu_{12}\mu_{22}\mu_{23}\mu_{42} \\
& +6\mu_{12}\mu_{22}\mu_{14}\mu_{51} - 3\mu_{12}\mu_{13}\mu_{50}\mu_{24} + 11\mu_{12}\mu_{13}\mu_{41}\mu_{33} - 15\mu_{12}\mu_{13}\mu_{32}\mu_{42} \\
& +9\mu_{12}\mu_{13}\mu_{23}\mu_{51} - 2\mu_{12}\mu_{13}\mu_{14}\mu_{60} + \mu_{12}\mu_{04}\mu_{50}\mu_{33} - 3\mu_{12}\mu_{04}\mu_{41}\mu_{42} \\
& +3\mu_{12}\mu_{04}\mu_{32}\mu_{51} - \mu_{12}\mu_{04}\mu_{23}\mu_{60} + \mu_{03}\mu_{40}\mu_{50}\mu_{06} - 3\mu_{03}\mu_{40}\mu_{41}\mu_{15} \\
& +3\mu_{03}\mu_{40}\mu_{32}\mu_{24} - \mu_{03}\mu_{40}\mu_{23}\mu_{33} - 3\mu_{03}\mu_{31}\mu_{50}\mu_{15} + 9\mu_{03}\mu_{31}\mu_{41}\mu_{24} \\
& -9\mu_{03}\mu_{31}\mu_{32}\mu_{33} + 3\mu_{03}\mu_{31}\mu_{23}\mu_{42} + 3\mu_{03}\mu_{22}\mu_{50}\mu_{24} - 9\mu_{03}\mu_{22}\mu_{41}\mu_{33} \\
& +9\mu_{03}\mu_{22}\mu_{32}\mu_{42} - 3\mu_{03}\mu_{22}\mu_{23}\mu_{51} - \mu_{03}\mu_{13}\mu_{50}\mu_{33} + 3\mu_{03}\mu_{13}\mu_{41}\mu_{42} \\
& -3\mu_{03}\mu_{13}\mu_{32}\mu_{51} + \mu_{03}\mu_{13}\mu_{23}\mu_{60})/\mu_{00}^{13}
\end{aligned}
$$

weight=9

structure: 0,1,1,1,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 |



**Simultaneous invariants of the orders 2, 3, 4, 5 and 6**

$$
\begin{aligned}
I_{194} \;=\; & (\mu_{20}\mu_{30}\mu_{40}\mu_{14}\mu_{06} - \mu_{20}\mu_{30}\mu_{40}\mu_{05}\mu_{15} - 4\mu_{20}\mu_{30}\mu_{31}\mu_{14}\mu_{15} \\
& +4\mu_{20}\mu_{30}\mu_{31}\mu_{05}\mu_{24} + 6\mu_{20}\mu_{30}\mu_{22}\mu_{14}\mu_{24} - 6\mu_{20}\mu_{30}\mu_{22}\mu_{05}\mu_{33} \\
& -4\mu_{20}\mu_{30}\mu_{13}\mu_{14}\mu_{33} + 4\mu_{20}\mu_{30}\mu_{13}\mu_{05}\mu_{42} + \mu_{20}\mu_{30}\mu_{04}\mu_{14}\mu_{42} \\
& -\mu_{20}\mu_{30}\mu_{04}\mu_{05}\mu_{51} - 2\mu_{20}\mu_{21}\mu_{40}\mu_{23}\mu_{06} + \mu_{20}\mu_{21}\mu_{40}\mu_{14}\mu_{15} \\
& +\mu_{20}\mu_{21}\mu_{40}\mu_{05}\mu_{24} + 8\mu_{20}\mu_{21}\mu_{31}\mu_{23}\mu_{15} - 4\mu_{20}\mu_{21}\mu_{31}\mu_{14}\mu_{24} \\
& -4\mu_{20}\mu_{21}\mu_{31}\mu_{05}\mu_{33} - 12\mu_{20}\mu_{21}\mu_{22}\mu_{23}\mu_{24} + 6\mu_{20}\mu_{21}\mu_{22}\mu_{14}\mu_{33} \\
& +6\mu_{20}\mu_{21}\mu_{22}\mu_{05}\mu_{42} + 8\mu_{20}\mu_{21}\mu_{13}\mu_{23}\mu_{33} - 4\mu_{20}\mu_{21}\mu_{13}\mu_{14}\mu_{42} \\
& -4\mu_{20}\mu_{21}\mu_{13}\mu_{05}\mu_{51} - 2\mu_{20}\mu_{21}\mu_{04}\mu_{23}\mu_{42} + \mu_{20}\mu_{21}\mu_{04}\mu_{14}\mu_{51} \\
& +\mu_{20}\mu_{21}\mu_{04}\mu_{05}\mu_{60} + \mu_{20}\mu_{12}\mu_{40}\mu_{32}\mu_{06} + \mu_{20}\mu_{12}\mu_{40}\mu_{23}\mu_{15} \\
& -2\mu_{20}\mu_{12}\mu_{40}\mu_{14}\mu_{24} - 4\mu_{20}\mu_{12}\mu_{31}\mu_{32}\mu_{15} - 4\mu_{20}\mu_{12}\mu_{31}\mu_{23}\mu_{24} \\
& +8\mu_{20}\mu_{12}\mu_{31}\mu_{14}\mu_{33} + 6\mu_{20}\mu_{12}\mu_{22}\mu_{32}\mu_{24} + 6\mu_{20}\mu_{12}\mu_{22}\mu_{23}\mu_{33} \\
& -12\mu_{20}\mu_{12}\mu_{22}\mu_{14}\mu_{42} - 4\mu_{20}\mu_{12}\mu_{13}\mu_{32}\mu_{33} - 4\mu_{20}\mu_{12}\mu_{13}\mu_{23}\mu_{42} \\
& +8\mu_{20}\mu_{12}\mu_{13}\mu_{14}\mu_{51} + \mu_{20}\mu_{12}\mu_{04}\mu_{32}\mu_{42} + \mu_{20}\mu_{12}\mu_{04}\mu_{23}\mu_{51} \\
& -2\mu_{20}\mu_{12}\mu_{04}\mu_{14}\mu_{60} - \mu_{20}\mu_{03}\mu_{40}\mu_{32}\mu_{15} + \mu_{20}\mu_{03}\mu_{40}\mu_{23}\mu_{24} \\
& +4\mu_{20}\mu_{03}\mu_{31}\mu_{32}\mu_{24} - 4\mu_{20}\mu_{03}\mu_{31}\mu_{23}\mu_{33} - 6\mu_{20}\mu_{03}\mu_{22}\mu_{32}\mu_{33} \\
& +6\mu_{20}\mu_{03}\mu_{22}\mu_{23}\mu_{42} + 4\mu_{20}\mu_{03}\mu_{13}\mu_{32}\mu_{42} - 4\mu_{20}\mu_{03}\mu_{13}\mu_{23}\mu_{51} \\
& -\mu_{20}\mu_{03}\mu_{04}\mu_{32}\mu_{51} + \mu_{20}\mu_{03}\mu_{04}\mu_{23}\mu_{60} - 2\mu_{11}\mu_{30}\mu_{40}\mu_{23}\mu_{06} \\
& +2\mu_{11}\mu_{30}\mu_{40}\mu_{14}\mu_{15} + 8\mu_{11}\mu_{30}\mu_{31}\mu_{23}\mu_{15} - 8\mu_{11}\mu_{30}\mu_{31}\mu_{14}\mu_{24} \\
& -12\mu_{11}\mu_{30}\mu_{22}\mu_{23}\mu_{24} + 12\mu_{11}\mu_{30}\mu_{22}\mu_{14}\mu_{33} + 8\mu_{11}\mu_{30}\mu_{13}\mu_{23}\mu_{33} \\
& -8\mu_{11}\mu_{30}\mu_{13}\mu_{14}\mu_{42} - 2\mu_{11}\mu_{30}\mu_{04}\mu_{23}\mu_{42} + 2\mu_{11}\mu_{30}\mu_{04}\mu_{14}\mu_{51} \\
& +4\mu_{11}\mu_{21}\mu_{40}\mu_{32}\mu_{06} - 2\mu_{11}\mu_{21}\mu_{40}\mu_{23}\mu_{15} - 2\mu_{11}\mu_{21}\mu_{40}\mu_{14}\mu_{24} \\
& -16\mu_{11}\mu_{21}\mu_{31}\mu_{32}\mu_{15} + 8\mu_{11}\mu_{21}\mu_{31}\mu_{23}\mu_{24} + 8\mu_{11}\mu_{21}\mu_{31}\mu_{14}\mu_{33} \\
& +24\mu_{11}\mu_{21}\mu_{22}\mu_{32}\mu_{24} - 12\mu_{11}\mu_{21}\mu_{22}\mu_{23}\mu_{33} - 12\mu_{11}\mu_{21}\mu_{22}\mu_{14}\mu_{42} \\
& -16\mu_{11}\mu_{21}\mu_{13}\mu_{32}\mu_{33} + 8\mu_{11}\mu_{21}\mu_{13}\mu_{23}\mu_{42} + 8\mu_{11}\mu_{21}\mu_{13}\mu_{14}\mu_{51} \\
& +4\mu_{11}\mu_{21}\mu_{04}\mu_{32}\mu_{42} - 2\mu_{11}\mu_{21}\mu_{04}\mu_{23}\mu_{51} - 2\mu_{11}\mu_{21}\mu_{04}\mu_{14}\mu_{60} \\
& -2\mu_{11}\mu_{12}\mu_{40}\mu_{41}\mu_{06} - 2\mu_{11}\mu_{12}\mu_{40}\mu_{32}\mu_{15} + 4\mu_{11}\mu_{12}\mu_{40}\mu_{23}\mu_{24} \\
& +8\mu_{11}\mu_{12}\mu_{31}\mu_{41}\mu_{15} + 8\mu_{11}\mu_{12}\mu_{31}\mu_{32}\mu_{24} - 16\mu_{11}\mu_{12}\mu_{31}\mu_{23}\mu_{33} \\
& -12\mu_{11}\mu_{12}\mu_{22}\mu_{41}\mu_{24} - 12\mu_{11}\mu_{12}\mu_{22}\mu_{32}\mu_{33} + 24\mu_{11}\mu_{12}\mu_{22}\mu_{23}\mu_{42} \\
& +8\mu_{11}\mu_{12}\mu_{13}\mu_{41}\mu_{33} + 8\mu_{11}\mu_{12}\mu_{13}\mu_{32}\mu_{42} - 16\mu_{11}\mu_{12}\mu_{13}\mu_{23}\mu_{51} \\
& -2\mu_{11}\mu_{12}\mu_{04}\mu_{41}\mu_{42} - 2\mu_{11}\mu_{12}\mu_{04}\mu_{32}\mu_{51} + 4\mu_{11}\mu_{12}\mu_{04}\mu_{23}\mu_{60} \\
& +2\mu_{11}\mu_{03}\mu_{40}\mu_{41}\mu_{15} - 2\mu_{11}\mu_{03}\mu_{40}\mu_{32}\mu_{24} - 8\mu_{11}\mu_{03}\mu_{31}\mu_{41}\mu_{24} \\
& +8\mu_{11}\mu_{03}\mu_{31}\mu_{32}\mu_{33} + 12\mu_{11}\mu_{03}\mu_{22}\mu_{41}\mu_{33} - 12\mu_{11}\mu_{03}\mu_{22}\mu_{32}\mu_{42} \\
& -8\mu_{11}\mu_{03}\mu_{13}\mu_{41}\mu_{42} + 8\mu_{11}\mu_{03}\mu_{13}\mu_{32}\mu_{51} + 2\mu_{11}\mu_{03}\mu_{04}\mu_{41}\mu_{51} \\
& -2\mu_{11}\mu_{03}\mu_{04}\mu_{32}\mu_{60} + \mu_{02}\mu_{30}\mu_{40}\mu_{32}\mu_{06} - \mu_{02}\mu_{30}\mu_{40}\mu_{23}\mu_{15} \\
& -4\mu_{02}\mu_{30}\mu_{31}\mu_{32}\mu_{15} + 4\mu_{02}\mu_{30}\mu_{31}\mu_{23}\mu_{24} + 6\mu_{02}\mu_{30}\mu_{22}\mu_{32}\mu_{24} \\
& -6\mu_{02}\mu_{30}\mu_{22}\mu_{23}\mu_{33} - 4\mu_{02}\mu_{30}\mu_{13}\mu_{32}\mu_{33} + 4\mu_{02}\mu_{30}\mu_{13}\mu_{23}\mu_{42} \\
& +\mu_{02}\mu_{30}\mu_{04}\mu_{32}\mu_{42} - \mu_{02}\mu_{30}\mu_{04}\mu_{23}\mu_{51} - 2\mu_{02}\mu_{21}\mu_{40}\mu_{41}\mu_{06} \\
& +\mu_{02}\mu_{21}\mu_{40}\mu_{32}\mu_{15} + \mu_{02}\mu_{21}\mu_{40}\mu_{23}\mu_{24} + 8\mu_{02}\mu_{21}\mu_{31}\mu_{41}\mu_{15} \\
& -4\mu_{02}\mu_{21}\mu_{31}\mu_{32}\mu_{24} - 4\mu_{02}\mu_{21}\mu_{31}\mu_{23}\mu_{33} - 12\mu_{02}\mu_{21}\mu_{22}\mu_{41}\mu_{24} \\
& +6\mu_{02}\mu_{21}\mu_{22}\mu_{32}\mu_{33} + 6\mu_{02}\mu_{21}\mu_{22}\mu_{23}\mu_{42} + 8\mu_{02}\mu_{21}\mu_{13}\mu_{41}\mu_{33} \\
& -4\mu_{02}\mu_{21}\mu_{13}\mu_{32}\mu_{42} - 4\mu_{02}\mu_{21}\mu_{13}\mu_{23}\mu_{51} - 2\mu_{02}\mu_{21}\mu_{04}\mu_{41}\mu_{42} \\
& +\mu_{02}\mu_{21}\mu_{04}\mu_{32}\mu_{51} + \mu_{02}\mu_{21}\mu_{04}\mu_{23}\mu_{60} + \mu_{02}\mu_{12}\mu_{40}\mu_{50}\mu_{06} \\
& +\mu_{02}\mu_{12}\mu_{40}\mu_{41}\mu_{15} - 2\mu_{02}\mu_{12}\mu_{40}\mu_{32}\mu_{24} - 4\mu_{02}\mu_{12}\mu_{31}\mu_{50}\mu_{15} \\
& -4\mu_{02}\mu_{12}\mu_{31}\mu_{41}\mu_{24} + 8\mu_{02}\mu_{12}\mu_{31}\mu_{32}\mu_{33} + 6\mu_{02}\mu_{12}\mu_{22}\mu_{50}\mu_{24}
\end{aligned}
$$

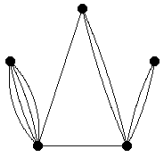
$$+6\mu_{02}\mu_{12}\mu_{22}\mu_{41}\mu_{33} - 12\mu_{02}\mu_{12}\mu_{22}\mu_{32}\mu_{42} - 4\mu_{02}\mu_{12}\mu_{13}\mu_{50}\mu_{33}$$
$$-4\mu_{02}\mu_{12}\mu_{13}\mu_{41}\mu_{42} + 8\mu_{02}\mu_{12}\mu_{13}\mu_{32}\mu_{51} + \mu_{02}\mu_{12}\mu_{04}\mu_{50}\mu_{42}$$
$$+\mu_{02}\mu_{12}\mu_{04}\mu_{41}\mu_{51} - 2\mu_{02}\mu_{12}\mu_{04}\mu_{32}\mu_{60} - \mu_{02}\mu_{03}\mu_{40}\mu_{50}\mu_{15}$$
$$+\mu_{02}\mu_{03}\mu_{40}\mu_{41}\mu_{24} + 4\mu_{02}\mu_{03}\mu_{31}\mu_{50}\mu_{24} - 4\mu_{02}\mu_{03}\mu_{31}\mu_{41}\mu_{33}$$
$$-6\mu_{02}\mu_{03}\mu_{22}\mu_{50}\mu_{33} + 6\mu_{02}\mu_{03}\mu_{22}\mu_{41}\mu_{42} + 4\mu_{02}\mu_{03}\mu_{13}\mu_{50}\mu_{42}$$
$$-4\mu_{02}\mu_{03}\mu_{13}\mu_{41}\mu_{51} - \mu_{02}\mu_{03}\mu_{04}\mu_{50}\mu_{51} + \mu_{02}\mu_{03}\mu_{04}\mu_{41}\mu_{60})/\mu_{00}^{15}$$

weight=10

structure: 1,1,1,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |



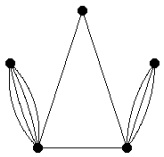
$$
\begin{aligned}
I_{195} \;=\; & (\mu_{20}\mu_{30}\mu_{40}\mu_{14}\mu_{06} - \mu_{20}\mu_{30}\mu_{40}\mu_{05}\mu_{15} - 4\mu_{20}\mu_{30}\mu_{31}\mu_{14}\mu_{15} \\
& +4\mu_{20}\mu_{30}\mu_{31}\mu_{05}\mu_{24} + 6\mu_{20}\mu_{30}\mu_{22}\mu_{14}\mu_{24} - 6\mu_{20}\mu_{30}\mu_{22}\mu_{05}\mu_{33} \\
& -4\mu_{20}\mu_{30}\mu_{13}\mu_{14}\mu_{33} + 4\mu_{20}\mu_{30}\mu_{13}\mu_{05}\mu_{42} + \mu_{20}\mu_{30}\mu_{04}\mu_{14}\mu_{42} \\
& -\mu_{20}\mu_{30}\mu_{04}\mu_{05}\mu_{51} - 3\mu_{20}\mu_{21}\mu_{40}\mu_{23}\mu_{06} + 3\mu_{20}\mu_{21}\mu_{40}\mu_{14}\mu_{15} \\
& +12\mu_{20}\mu_{21}\mu_{31}\mu_{23}\mu_{15} - 12\mu_{20}\mu_{21}\mu_{31}\mu_{14}\mu_{24} - 18\mu_{20}\mu_{21}\mu_{22}\mu_{23}\mu_{24} \\
& +18\mu_{20}\mu_{21}\mu_{22}\mu_{14}\mu_{33} + 12\mu_{20}\mu_{21}\mu_{13}\mu_{23}\mu_{33} - 12\mu_{20}\mu_{21}\mu_{13}\mu_{14}\mu_{42} \\
& -3\mu_{20}\mu_{21}\mu_{04}\mu_{23}\mu_{42} + 3\mu_{20}\mu_{21}\mu_{04}\mu_{14}\mu_{51} + 3\mu_{20}\mu_{12}\mu_{40}\mu_{32}\mu_{06} \\
& -3\mu_{20}\mu_{12}\mu_{40}\mu_{23}\mu_{15} - 12\mu_{20}\mu_{12}\mu_{31}\mu_{32}\mu_{15} + 12\mu_{20}\mu_{12}\mu_{31}\mu_{23}\mu_{24} \\
& +18\mu_{20}\mu_{12}\mu_{22}\mu_{32}\mu_{24} - 18\mu_{20}\mu_{12}\mu_{22}\mu_{23}\mu_{33} - 12\mu_{20}\mu_{12}\mu_{13}\mu_{32}\mu_{33} \\
& +12\mu_{20}\mu_{12}\mu_{13}\mu_{23}\mu_{42} + 3\mu_{20}\mu_{12}\mu_{04}\mu_{32}\mu_{42} - 3\mu_{20}\mu_{12}\mu_{04}\mu_{23}\mu_{51} \\
& -\mu_{20}\mu_{03}\mu_{40}\mu_{41}\mu_{06} + \mu_{20}\mu_{03}\mu_{40}\mu_{32}\mu_{15} + 4\mu_{20}\mu_{03}\mu_{31}\mu_{41}\mu_{15} \\
& -4\mu_{20}\mu_{03}\mu_{31}\mu_{32}\mu_{24} - 6\mu_{20}\mu_{03}\mu_{22}\mu_{41}\mu_{24} + 6\mu_{20}\mu_{03}\mu_{22}\mu_{32}\mu_{33} \\
& +4\mu_{20}\mu_{03}\mu_{13}\mu_{41}\mu_{33} - 4\mu_{20}\mu_{03}\mu_{13}\mu_{32}\mu_{42} - \mu_{20}\mu_{03}\mu_{04}\mu_{41}\mu_{42} \\
& +\mu_{20}\mu_{03}\mu_{04}\mu_{32}\mu_{51} - \mu_{11}\mu_{30}\mu_{40}\mu_{23}\mu_{06} + \mu_{11}\mu_{30}\mu_{40}\mu_{05}\mu_{24} \\
& +4\mu_{11}\mu_{30}\mu_{31}\mu_{23}\mu_{15} - 4\mu_{11}\mu_{30}\mu_{31}\mu_{05}\mu_{33} - 6\mu_{11}\mu_{30}\mu_{22}\mu_{23}\mu_{24} \\
& +6\mu_{11}\mu_{30}\mu_{22}\mu_{05}\mu_{42} + 4\mu_{11}\mu_{30}\mu_{13}\mu_{23}\mu_{33} - 4\mu_{11}\mu_{30}\mu_{13}\mu_{05}\mu_{51} \\
& -\mu_{11}\mu_{30}\mu_{04}\mu_{23}\mu_{42} + \mu_{11}\mu_{30}\mu_{04}\mu_{05}\mu_{60} + 3\mu_{11}\mu_{21}\mu_{40}\mu_{32}\mu_{06} \\
& -3\mu_{11}\mu_{21}\mu_{40}\mu_{14}\mu_{24} - 12\mu_{11}\mu_{21}\mu_{31}\mu_{32}\mu_{15} + 12\mu_{11}\mu_{21}\mu_{31}\mu_{14}\mu_{33} \\
& +18\mu_{11}\mu_{21}\mu_{22}\mu_{32}\mu_{24} - 18\mu_{11}\mu_{21}\mu_{22}\mu_{14}\mu_{42} - 12\mu_{11}\mu_{21}\mu_{13}\mu_{32}\mu_{33} \\
& +12\mu_{11}\mu_{21}\mu_{13}\mu_{14}\mu_{51} + 3\mu_{11}\mu_{21}\mu_{04}\mu_{32}\mu_{42} - 3\mu_{11}\mu_{21}\mu_{04}\mu_{14}\mu_{60} \\
& -3\mu_{11}\mu_{12}\mu_{40}\mu_{41}\mu_{06} + 3\mu_{11}\mu_{12}\mu_{40}\mu_{23}\mu_{24} + 12\mu_{11}\mu_{12}\mu_{31}\mu_{41}\mu_{15} \\
& -12\mu_{11}\mu_{12}\mu_{31}\mu_{23}\mu_{33} - 18\mu_{11}\mu_{12}\mu_{22}\mu_{41}\mu_{24} + 18\mu_{11}\mu_{12}\mu_{22}\mu_{23}\mu_{42} \\
& +12\mu_{11}\mu_{12}\mu_{13}\mu_{41}\mu_{33} - 12\mu_{11}\mu_{12}\mu_{13}\mu_{23}\mu_{51} - 3\mu_{11}\mu_{12}\mu_{04}\mu_{41}\mu_{42} \\
& +3\mu_{11}\mu_{12}\mu_{04}\mu_{23}\mu_{60} + \mu_{11}\mu_{03}\mu_{40}\mu_{50}\mu_{06} - \mu_{11}\mu_{03}\mu_{40}\mu_{32}\mu_{24} \\
& -4\mu_{11}\mu_{03}\mu_{31}\mu_{50}\mu_{15} + 4\mu_{11}\mu_{03}\mu_{31}\mu_{32}\mu_{33} + 6\mu_{11}\mu_{03}\mu_{22}\mu_{50}\mu_{24} \\
& -6\mu_{11}\mu_{03}\mu_{22}\mu_{32}\mu_{42} - 4\mu_{11}\mu_{03}\mu_{13}\mu_{50}\mu_{33} + 4\mu_{11}\mu_{03}\mu_{13}\mu_{32}\mu_{51} \\
& +\mu_{11}\mu_{03}\mu_{04}\mu_{50}\mu_{42} - \mu_{11}\mu_{03}\mu_{04}\mu_{32}\mu_{60} + \mu_{02}\mu_{30}\mu_{40}\mu_{23}\mu_{15} \\
& -\mu_{02}\mu_{30}\mu_{40}\mu_{14}\mu_{24} - 4\mu_{02}\mu_{30}\mu_{31}\mu_{23}\mu_{24} + 4\mu_{02}\mu_{30}\mu_{31}\mu_{14}\mu_{33} \\
& +6\mu_{02}\mu_{30}\mu_{22}\mu_{23}\mu_{33} - 6\mu_{02}\mu_{30}\mu_{22}\mu_{14}\mu_{42} - 4\mu_{02}\mu_{30}\mu_{13}\mu_{23}\mu_{42} \\
& +4\mu_{02}\mu_{30}\mu_{13}\mu_{14}\mu_{51} + \mu_{02}\mu_{30}\mu_{04}\mu_{23}\mu_{51} - \mu_{02}\mu_{30}\mu_{04}\mu_{14}\mu_{60} \\
& -3\mu_{02}\mu_{21}\mu_{40}\mu_{32}\mu_{15} + 3\mu_{02}\mu_{21}\mu_{40}\mu_{23}\mu_{24} + 12\mu_{02}\mu_{21}\mu_{31}\mu_{32}\mu_{24} \\
& -12\mu_{02}\mu_{21}\mu_{31}\mu_{23}\mu_{33} - 18\mu_{02}\mu_{21}\mu_{22}\mu_{32}\mu_{33} + 18\mu_{02}\mu_{21}\mu_{22}\mu_{23}\mu_{42} \\
& +12\mu_{02}\mu_{21}\mu_{13}\mu_{32}\mu_{42} - 12\mu_{02}\mu_{21}\mu_{13}\mu_{23}\mu_{51} - 3\mu_{02}\mu_{21}\mu_{04}\mu_{32}\mu_{51} \\
& +3\mu_{02}\mu_{21}\mu_{04}\mu_{23}\mu_{60} + 3\mu_{02}\mu_{12}\mu_{40}\mu_{41}\mu_{15} - 3\mu_{02}\mu_{12}\mu_{40}\mu_{32}\mu_{24} \\
& -12\mu_{02}\mu_{12}\mu_{31}\mu_{41}\mu_{24} + 12\mu_{02}\mu_{12}\mu_{31}\mu_{32}\mu_{33} + 18\mu_{02}\mu_{12}\mu_{22}\mu_{41}\mu_{33} \\
& -18\mu_{02}\mu_{12}\mu_{22}\mu_{32}\mu_{42} - 12\mu_{02}\mu_{12}\mu_{13}\mu_{41}\mu_{42} + 12\mu_{02}\mu_{12}\mu_{13}\mu_{32}\mu_{51} \\
& +3\mu_{02}\mu_{12}\mu_{04}\mu_{41}\mu_{51} - 3\mu_{02}\mu_{12}\mu_{04}\mu_{32}\mu_{60} - \mu_{02}\mu_{03}\mu_{40}\mu_{50}\mu_{15} \\
& +\mu_{02}\mu_{03}\mu_{40}\mu_{41}\mu_{24} + 4\mu_{02}\mu_{03}\mu_{31}\mu_{50}\mu_{24} - 4\mu_{02}\mu_{03}\mu_{31}\mu_{41}\mu_{33} \\
& -6\mu_{02}\mu_{03}\mu_{22}\mu_{50}\mu_{33} + 6\mu_{02}\mu_{03}\mu_{22}\mu_{41}\mu_{42} + 4\mu_{02}\mu_{03}\mu_{13}\mu_{50}\mu_{42} \\
& -4\mu_{02}\mu_{03}\mu_{13}\mu_{41}\mu_{51} - \mu_{02}\mu_{03}\mu_{04}\mu_{50}\mu_{51} + \mu_{02}\mu_{03}\mu_{04}\mu_{41}\mu_{60})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,1,1,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



$$
\begin{aligned}
I_{196} \;=\; & (\mu_{20}\mu_{30}\mu_{40}\mu_{14}\mu_{06} - \mu_{20}\mu_{30}\mu_{40}\mu_{05}\mu_{15} - 2\mu_{20}\mu_{30}\mu_{31}\mu_{23}\mu_{06} \\
& +2\mu_{20}\mu_{30}\mu_{31}\mu_{05}\mu_{24} + \mu_{20}\mu_{30}\mu_{22}\mu_{32}\mu_{06} + 3\mu_{20}\mu_{30}\mu_{22}\mu_{23}\mu_{15} \\
& -3\mu_{20}\mu_{30}\mu_{22}\mu_{14}\mu_{24} - \mu_{20}\mu_{30}\mu_{22}\mu_{05}\mu_{33} - 2\mu_{20}\mu_{30}\mu_{13}\mu_{32}\mu_{15} \\
& +2\mu_{20}\mu_{30}\mu_{13}\mu_{14}\mu_{33} + \mu_{20}\mu_{30}\mu_{04}\mu_{32}\mu_{24} - \mu_{20}\mu_{30}\mu_{04}\mu_{23}\mu_{33} \\
& -3\mu_{20}\mu_{21}\mu_{40}\mu_{14}\mu_{15} + 3\mu_{20}\mu_{21}\mu_{40}\mu_{05}\mu_{24} + 6\mu_{20}\mu_{21}\mu_{31}\mu_{23}\mu_{15} \\
& -6\mu_{20}\mu_{21}\mu_{31}\mu_{05}\mu_{33} - 3\mu_{20}\mu_{21}\mu_{22}\mu_{32}\mu_{15} - 9\mu_{20}\mu_{21}\mu_{22}\mu_{23}\mu_{24} \\
& +9\mu_{20}\mu_{21}\mu_{22}\mu_{14}\mu_{33} + 3\mu_{20}\mu_{21}\mu_{22}\mu_{05}\mu_{42} + 6\mu_{20}\mu_{21}\mu_{13}\mu_{32}\mu_{24} \\
& -6\mu_{20}\mu_{21}\mu_{13}\mu_{14}\mu_{42} - 3\mu_{20}\mu_{21}\mu_{04}\mu_{32}\mu_{33} + 3\mu_{20}\mu_{21}\mu_{04}\mu_{23}\mu_{42} \\
& +3\mu_{20}\mu_{12}\mu_{40}\mu_{14}\mu_{24} - 3\mu_{20}\mu_{12}\mu_{40}\mu_{05}\mu_{33} - 6\mu_{20}\mu_{12}\mu_{31}\mu_{23}\mu_{24} \\
& +6\mu_{20}\mu_{12}\mu_{31}\mu_{05}\mu_{42} + 3\mu_{20}\mu_{12}\mu_{22}\mu_{32}\mu_{24} + 9\mu_{20}\mu_{12}\mu_{22}\mu_{23}\mu_{33} \\
& -9\mu_{20}\mu_{12}\mu_{22}\mu_{14}\mu_{42} - 3\mu_{20}\mu_{12}\mu_{22}\mu_{05}\mu_{51} - 6\mu_{20}\mu_{12}\mu_{13}\mu_{32}\mu_{33} \\
& +6\mu_{20}\mu_{12}\mu_{13}\mu_{14}\mu_{51} + 3\mu_{20}\mu_{12}\mu_{04}\mu_{32}\mu_{42} - 3\mu_{20}\mu_{12}\mu_{04}\mu_{23}\mu_{51} \\
& -\mu_{20}\mu_{03}\mu_{40}\mu_{14}\mu_{33} + \mu_{20}\mu_{03}\mu_{40}\mu_{05}\mu_{42} + 2\mu_{20}\mu_{03}\mu_{31}\mu_{23}\mu_{33} \\
& -2\mu_{20}\mu_{03}\mu_{31}\mu_{05}\mu_{51} - \mu_{20}\mu_{03}\mu_{22}\mu_{32}\mu_{33} - 3\mu_{20}\mu_{03}\mu_{22}\mu_{23}\mu_{42} \\
& +3\mu_{20}\mu_{03}\mu_{22}\mu_{14}\mu_{51} + \mu_{20}\mu_{03}\mu_{22}\mu_{05}\mu_{60} + 2\mu_{20}\mu_{03}\mu_{13}\mu_{32}\mu_{42} \\
& -2\mu_{20}\mu_{03}\mu_{13}\mu_{14}\mu_{60} - \mu_{20}\mu_{03}\mu_{04}\mu_{32}\mu_{51} + \mu_{20}\mu_{03}\mu_{04}\mu_{23}\mu_{60} \\
& -2\mu_{11}\mu_{30}\mu_{40}\mu_{23}\mu_{06} + 2\mu_{11}\mu_{30}\mu_{40}\mu_{14}\mu_{15} + 4\mu_{11}\mu_{30}\mu_{31}\mu_{32}\mu_{06} \\
& -4\mu_{11}\mu_{30}\mu_{31}\mu_{14}\mu_{24} - 2\mu_{11}\mu_{30}\mu_{22}\mu_{41}\mu_{06} - 6\mu_{11}\mu_{30}\mu_{22}\mu_{32}\mu_{15} \\
& +6\mu_{11}\mu_{30}\mu_{22}\mu_{23}\mu_{24} + 2\mu_{11}\mu_{30}\mu_{22}\mu_{14}\mu_{33} + 4\mu_{11}\mu_{30}\mu_{13}\mu_{41}\mu_{15} \\
& -4\mu_{11}\mu_{30}\mu_{13}\mu_{23}\mu_{33} - 2\mu_{11}\mu_{30}\mu_{04}\mu_{41}\mu_{24} + 2\mu_{11}\mu_{30}\mu_{04}\mu_{32}\mu_{33} \\
& +6\mu_{11}\mu_{21}\mu_{40}\mu_{23}\mu_{15} - 6\mu_{11}\mu_{21}\mu_{40}\mu_{14}\mu_{24} - 12\mu_{11}\mu_{21}\mu_{31}\mu_{32}\mu_{15} \\
& +12\mu_{11}\mu_{21}\mu_{31}\mu_{14}\mu_{33} + 6\mu_{11}\mu_{21}\mu_{22}\mu_{41}\mu_{15} + 18\mu_{11}\mu_{21}\mu_{22}\mu_{32}\mu_{24} \\
& -18\mu_{11}\mu_{21}\mu_{22}\mu_{23}\mu_{33} - 6\mu_{11}\mu_{21}\mu_{22}\mu_{14}\mu_{42} - 12\mu_{11}\mu_{21}\mu_{13}\mu_{41}\mu_{24} \\
& +12\mu_{11}\mu_{21}\mu_{13}\mu_{23}\mu_{42} + 6\mu_{11}\mu_{21}\mu_{04}\mu_{41}\mu_{33} - 6\mu_{11}\mu_{21}\mu_{04}\mu_{32}\mu_{42} \\
& -6\mu_{11}\mu_{12}\mu_{40}\mu_{23}\mu_{24} + 6\mu_{11}\mu_{12}\mu_{40}\mu_{14}\mu_{33} + 12\mu_{11}\mu_{12}\mu_{31}\mu_{32}\mu_{24} \\
& -12\mu_{11}\mu_{12}\mu_{31}\mu_{14}\mu_{42} - 6\mu_{11}\mu_{12}\mu_{22}\mu_{41}\mu_{24} - 18\mu_{11}\mu_{12}\mu_{22}\mu_{32}\mu_{33} \\
& +18\mu_{11}\mu_{12}\mu_{22}\mu_{23}\mu_{42} + 6\mu_{11}\mu_{12}\mu_{22}\mu_{14}\mu_{51} + 12\mu_{11}\mu_{12}\mu_{13}\mu_{41}\mu_{33} \\
& -12\mu_{11}\mu_{12}\mu_{13}\mu_{23}\mu_{51} - 6\mu_{11}\mu_{12}\mu_{04}\mu_{41}\mu_{42} + 6\mu_{11}\mu_{12}\mu_{04}\mu_{32}\mu_{51} \\
& +2\mu_{11}\mu_{03}\mu_{40}\mu_{23}\mu_{33} - 2\mu_{11}\mu_{03}\mu_{40}\mu_{14}\mu_{42} - 4\mu_{11}\mu_{03}\mu_{31}\mu_{32}\mu_{33} \\
& +4\mu_{11}\mu_{03}\mu_{31}\mu_{14}\mu_{51} + 2\mu_{11}\mu_{03}\mu_{22}\mu_{41}\mu_{33} + 6\mu_{11}\mu_{03}\mu_{22}\mu_{32}\mu_{42} \\
& -6\mu_{11}\mu_{03}\mu_{22}\mu_{23}\mu_{51} - 2\mu_{11}\mu_{03}\mu_{22}\mu_{14}\mu_{60} - 4\mu_{11}\mu_{03}\mu_{13}\mu_{41}\mu_{42} \\
& +4\mu_{11}\mu_{03}\mu_{13}\mu_{23}\mu_{60} + 2\mu_{11}\mu_{03}\mu_{04}\mu_{41}\mu_{51} - 2\mu_{11}\mu_{03}\mu_{04}\mu_{32}\mu_{60} \\
& +\mu_{02}\mu_{30}\mu_{40}\mu_{32}\mu_{06} - \mu_{02}\mu_{30}\mu_{40}\mu_{23}\mu_{15} - 2\mu_{02}\mu_{30}\mu_{31}\mu_{41}\mu_{06} \\
& +2\mu_{02}\mu_{30}\mu_{31}\mu_{23}\mu_{24} + \mu_{02}\mu_{30}\mu_{22}\mu_{50}\mu_{06} + 3\mu_{02}\mu_{30}\mu_{22}\mu_{41}\mu_{15} \\
& -3\mu_{02}\mu_{30}\mu_{22}\mu_{32}\mu_{24} - \mu_{02}\mu_{30}\mu_{22}\mu_{23}\mu_{33} - 2\mu_{02}\mu_{30}\mu_{13}\mu_{50}\mu_{15} \\
& +2\mu_{02}\mu_{30}\mu_{13}\mu_{32}\mu_{33} + \mu_{02}\mu_{30}\mu_{04}\mu_{50}\mu_{24} - \mu_{02}\mu_{30}\mu_{04}\mu_{41}\mu_{33} \\
& -3\mu_{02}\mu_{21}\mu_{40}\mu_{32}\mu_{15} + 3\mu_{02}\mu_{21}\mu_{40}\mu_{23}\mu_{24} + 6\mu_{02}\mu_{21}\mu_{31}\mu_{41}\mu_{15} \\
& -6\mu_{02}\mu_{21}\mu_{31}\mu_{23}\mu_{33} - 3\mu_{02}\mu_{21}\mu_{22}\mu_{50}\mu_{15} - 9\mu_{02}\mu_{21}\mu_{22}\mu_{41}\mu_{24} \\
& +9\mu_{02}\mu_{21}\mu_{22}\mu_{32}\mu_{33} + 3\mu_{02}\mu_{21}\mu_{22}\mu_{23}\mu_{42} + 6\mu_{02}\mu_{21}\mu_{13}\mu_{50}\mu_{24} \\
& -6\mu_{02}\mu_{21}\mu_{13}\mu_{32}\mu_{42} - 3\mu_{02}\mu_{21}\mu_{04}\mu_{50}\mu_{33} + 3\mu_{02}\mu_{21}\mu_{04}\mu_{41}\mu_{42} \\
& +3\mu_{02}\mu_{12}\mu_{40}\mu_{32}\mu_{24} - 3\mu_{02}\mu_{12}\mu_{40}\mu_{23}\mu_{33} - 6\mu_{02}\mu_{12}\mu_{31}\mu_{41}\mu_{24} \\
& +6\mu_{02}\mu_{12}\mu_{31}\mu_{23}\mu_{42} + 3\mu_{02}\mu_{12}\mu_{22}\mu_{50}\mu_{24} + 9\mu_{02}\mu_{12}\mu_{22}\mu_{41}\mu_{33} \\
& -9\mu_{02}\mu_{12}\mu_{22}\mu_{32}\mu_{42} - 3\mu_{02}\mu_{12}\mu_{22}\mu_{23}\mu_{51} - 6\mu_{02}\mu_{12}\mu_{13}\mu_{50}\mu_{33} \\
& +6\mu_{02}\mu_{12}\mu_{13}\mu_{32}\mu_{51} + 3\mu_{02}\mu_{12}\mu_{04}\mu_{50}\mu_{42} - 3\mu_{02}\mu_{12}\mu_{04}\mu_{41}\mu_{51} \\
& -\mu_{02}\mu_{03}\mu_{40}\mu_{32}\mu_{33} + \mu_{02}\mu_{03}\mu_{40}\mu_{23}\mu_{42} + 2\mu_{02}\mu_{03}\mu_{31}\mu_{41}\mu_{33} \\
& -2\mu_{02}\mu_{03}\mu_{31}\mu_{23}\mu_{51} - \mu_{02}\mu_{03}\mu_{22}\mu_{50}\mu_{33} - 3\mu_{02}\mu_{03}\mu_{22}\mu_{41}\mu_{42}
\end{aligned}
$$

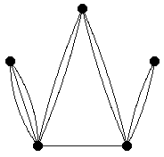
$$+3\mu_{02}\mu_{03}\mu_{22}\mu_{32}\mu_{51} + \mu_{02}\mu_{03}\mu_{22}\mu_{23}\mu_{60} + 2\mu_{02}\mu_{03}\mu_{13}\mu_{50}\mu_{42}$$
$$-2\mu_{02}\mu_{03}\mu_{13}\mu_{32}\mu_{60} - \mu_{02}\mu_{03}\mu_{04}\mu_{50}\mu_{51} + \mu_{02}\mu_{03}\mu_{04}\mu_{41}\mu_{60})/\mu_{00}^{15}$$

weight=10

structure: 1,1,1,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 |



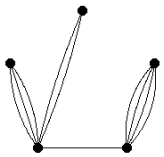
$$
\begin{aligned}
I_{197} \;=\; & (\mu_{20}\mu_{30}\mu_{40}\mu_{14}\mu_{06} - \mu_{20}\mu_{30}\mu_{40}\mu_{05}\mu_{15} - 4\mu_{20}\mu_{30}\mu_{31}\mu_{23}\mu_{06} \\
& +4\mu_{20}\mu_{30}\mu_{31}\mu_{14}\mu_{15} + 6\mu_{20}\mu_{30}\mu_{22}\mu_{32}\mu_{06} - 6\mu_{20}\mu_{30}\mu_{22}\mu_{23}\mu_{15} \\
& -4\mu_{20}\mu_{30}\mu_{13}\mu_{41}\mu_{06} + 4\mu_{20}\mu_{30}\mu_{13}\mu_{32}\mu_{15} + \mu_{20}\mu_{30}\mu_{04}\mu_{50}\mu_{06} \\
& -\mu_{20}\mu_{30}\mu_{04}\mu_{41}\mu_{15} - 3\mu_{20}\mu_{21}\mu_{40}\mu_{14}\mu_{15} + 3\mu_{20}\mu_{21}\mu_{40}\mu_{05}\mu_{24} \\
& +12\mu_{20}\mu_{21}\mu_{31}\mu_{23}\mu_{15} - 12\mu_{20}\mu_{21}\mu_{31}\mu_{14}\mu_{24} - 18\mu_{20}\mu_{21}\mu_{22}\mu_{32}\mu_{15} \\
& +18\mu_{20}\mu_{21}\mu_{22}\mu_{23}\mu_{24} + 12\mu_{20}\mu_{21}\mu_{13}\mu_{41}\mu_{15} - 12\mu_{20}\mu_{21}\mu_{13}\mu_{32}\mu_{24} \\
& -3\mu_{20}\mu_{21}\mu_{04}\mu_{50}\mu_{15} + 3\mu_{20}\mu_{21}\mu_{04}\mu_{41}\mu_{24} + 3\mu_{20}\mu_{12}\mu_{40}\mu_{14}\mu_{24} \\
& -3\mu_{20}\mu_{12}\mu_{40}\mu_{05}\mu_{33} - 12\mu_{20}\mu_{12}\mu_{31}\mu_{23}\mu_{24} + 12\mu_{20}\mu_{12}\mu_{31}\mu_{14}\mu_{33} \\
& +18\mu_{20}\mu_{12}\mu_{22}\mu_{32}\mu_{24} - 18\mu_{20}\mu_{12}\mu_{22}\mu_{23}\mu_{33} - 12\mu_{20}\mu_{12}\mu_{13}\mu_{41}\mu_{24} \\
& +12\mu_{20}\mu_{12}\mu_{13}\mu_{32}\mu_{33} + 3\mu_{20}\mu_{12}\mu_{04}\mu_{50}\mu_{24} - 3\mu_{20}\mu_{12}\mu_{04}\mu_{41}\mu_{33} \\
& -\mu_{20}\mu_{03}\mu_{40}\mu_{14}\mu_{33} + \mu_{20}\mu_{03}\mu_{40}\mu_{05}\mu_{42} + 4\mu_{20}\mu_{03}\mu_{31}\mu_{23}\mu_{33} \\
& -4\mu_{20}\mu_{03}\mu_{31}\mu_{14}\mu_{42} - 6\mu_{20}\mu_{03}\mu_{22}\mu_{32}\mu_{33} + 6\mu_{20}\mu_{03}\mu_{22}\mu_{23}\mu_{42} \\
& +4\mu_{20}\mu_{03}\mu_{13}\mu_{41}\mu_{33} - 4\mu_{20}\mu_{03}\mu_{13}\mu_{32}\mu_{42} - \mu_{20}\mu_{03}\mu_{04}\mu_{50}\mu_{33} \\
& +\mu_{20}\mu_{03}\mu_{04}\mu_{41}\mu_{42} - 2\mu_{11}\mu_{30}\mu_{40}\mu_{14}\mu_{15} + 2\mu_{11}\mu_{30}\mu_{40}\mu_{05}\mu_{24} \\
& +8\mu_{11}\mu_{30}\mu_{31}\mu_{23}\mu_{15} - 8\mu_{11}\mu_{30}\mu_{31}\mu_{14}\mu_{24} - 12\mu_{11}\mu_{30}\mu_{22}\mu_{32}\mu_{15} \\
& +12\mu_{11}\mu_{30}\mu_{22}\mu_{23}\mu_{24} + 8\mu_{11}\mu_{30}\mu_{13}\mu_{41}\mu_{15} - 8\mu_{11}\mu_{30}\mu_{13}\mu_{32}\mu_{24} \\
& -2\mu_{11}\mu_{30}\mu_{04}\mu_{50}\mu_{15} + 2\mu_{11}\mu_{30}\mu_{04}\mu_{41}\mu_{24} + 6\mu_{11}\mu_{21}\mu_{40}\mu_{14}\mu_{24} \\
& -6\mu_{11}\mu_{21}\mu_{40}\mu_{05}\mu_{33} - 24\mu_{11}\mu_{21}\mu_{31}\mu_{23}\mu_{24} + 24\mu_{11}\mu_{21}\mu_{31}\mu_{14}\mu_{33} \\
& +36\mu_{11}\mu_{21}\mu_{22}\mu_{32}\mu_{24} - 36\mu_{11}\mu_{21}\mu_{22}\mu_{23}\mu_{33} - 24\mu_{11}\mu_{21}\mu_{13}\mu_{41}\mu_{24} \\
& +24\mu_{11}\mu_{21}\mu_{13}\mu_{32}\mu_{33} + 6\mu_{11}\mu_{21}\mu_{04}\mu_{50}\mu_{24} - 6\mu_{11}\mu_{21}\mu_{04}\mu_{41}\mu_{33} \\
& -6\mu_{11}\mu_{12}\mu_{40}\mu_{14}\mu_{33} + 6\mu_{11}\mu_{12}\mu_{40}\mu_{05}\mu_{42} + 24\mu_{11}\mu_{12}\mu_{31}\mu_{23}\mu_{33} \\
& -24\mu_{11}\mu_{12}\mu_{31}\mu_{14}\mu_{42} - 36\mu_{11}\mu_{12}\mu_{22}\mu_{32}\mu_{33} + 36\mu_{11}\mu_{12}\mu_{22}\mu_{23}\mu_{42} \\
& +24\mu_{11}\mu_{12}\mu_{13}\mu_{41}\mu_{33} - 24\mu_{11}\mu_{12}\mu_{13}\mu_{32}\mu_{42} - 6\mu_{11}\mu_{12}\mu_{04}\mu_{50}\mu_{33} \\
& +6\mu_{11}\mu_{12}\mu_{04}\mu_{41}\mu_{42} + 2\mu_{11}\mu_{03}\mu_{40}\mu_{14}\mu_{42} - 2\mu_{11}\mu_{03}\mu_{40}\mu_{05}\mu_{51} \\
& -8\mu_{11}\mu_{03}\mu_{31}\mu_{23}\mu_{42} + 8\mu_{11}\mu_{03}\mu_{31}\mu_{14}\mu_{51} + 12\mu_{11}\mu_{03}\mu_{22}\mu_{32}\mu_{42} \\
& -12\mu_{11}\mu_{03}\mu_{22}\mu_{23}\mu_{51} - 8\mu_{11}\mu_{03}\mu_{13}\mu_{41}\mu_{42} + 8\mu_{11}\mu_{03}\mu_{13}\mu_{32}\mu_{51} \\
& +2\mu_{11}\mu_{03}\mu_{04}\mu_{50}\mu_{42} - 2\mu_{11}\mu_{03}\mu_{04}\mu_{41}\mu_{51} + \mu_{02}\mu_{30}\mu_{40}\mu_{14}\mu_{24} \\
& -\mu_{02}\mu_{30}\mu_{40}\mu_{05}\mu_{33} - 4\mu_{02}\mu_{30}\mu_{31}\mu_{23}\mu_{24} + 4\mu_{02}\mu_{30}\mu_{31}\mu_{14}\mu_{33} \\
& +6\mu_{02}\mu_{30}\mu_{22}\mu_{32}\mu_{24} - 6\mu_{02}\mu_{30}\mu_{22}\mu_{23}\mu_{33} - 4\mu_{02}\mu_{30}\mu_{13}\mu_{41}\mu_{24} \\
& +4\mu_{02}\mu_{30}\mu_{13}\mu_{32}\mu_{33} + \mu_{02}\mu_{30}\mu_{04}\mu_{50}\mu_{24} - \mu_{02}\mu_{30}\mu_{04}\mu_{41}\mu_{33} \\
& -3\mu_{02}\mu_{21}\mu_{40}\mu_{14}\mu_{33} + 3\mu_{02}\mu_{21}\mu_{40}\mu_{05}\mu_{42} + 12\mu_{02}\mu_{21}\mu_{31}\mu_{23}\mu_{33} \\
& -12\mu_{02}\mu_{21}\mu_{31}\mu_{14}\mu_{42} - 18\mu_{02}\mu_{21}\mu_{22}\mu_{32}\mu_{33} + 18\mu_{02}\mu_{21}\mu_{22}\mu_{23}\mu_{42} \\
& +12\mu_{02}\mu_{21}\mu_{13}\mu_{41}\mu_{33} - 12\mu_{02}\mu_{21}\mu_{13}\mu_{32}\mu_{42} - 3\mu_{02}\mu_{21}\mu_{04}\mu_{50}\mu_{33} \\
& +3\mu_{02}\mu_{21}\mu_{04}\mu_{41}\mu_{42} + 3\mu_{02}\mu_{12}\mu_{40}\mu_{14}\mu_{42} - 3\mu_{02}\mu_{12}\mu_{40}\mu_{05}\mu_{51} \\
& -12\mu_{02}\mu_{12}\mu_{31}\mu_{23}\mu_{42} + 12\mu_{02}\mu_{12}\mu_{31}\mu_{14}\mu_{51} + 18\mu_{02}\mu_{12}\mu_{22}\mu_{32}\mu_{42} \\
& -18\mu_{02}\mu_{12}\mu_{22}\mu_{23}\mu_{51} - 12\mu_{02}\mu_{12}\mu_{13}\mu_{41}\mu_{42} + 12\mu_{02}\mu_{12}\mu_{13}\mu_{32}\mu_{51} \\
& +3\mu_{02}\mu_{12}\mu_{04}\mu_{50}\mu_{42} - 3\mu_{02}\mu_{12}\mu_{04}\mu_{41}\mu_{51} - \mu_{02}\mu_{03}\mu_{40}\mu_{14}\mu_{51} \\
& +\mu_{02}\mu_{03}\mu_{40}\mu_{05}\mu_{60} + 4\mu_{02}\mu_{03}\mu_{31}\mu_{23}\mu_{51} - 4\mu_{02}\mu_{03}\mu_{31}\mu_{14}\mu_{60} \\
& -6\mu_{02}\mu_{03}\mu_{22}\mu_{32}\mu_{51} + 6\mu_{02}\mu_{03}\mu_{22}\mu_{23}\mu_{60} + 4\mu_{02}\mu_{03}\mu_{13}\mu_{41}\mu_{51} \\
& -4\mu_{02}\mu_{03}\mu_{13}\mu_{32}\mu_{60} - \mu_{02}\mu_{03}\mu_{04}\mu_{50}\mu_{51} + \mu_{02}\mu_{03}\mu_{04}\mu_{41}\mu_{60})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,1,1,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 5 |



$$
\begin{aligned}
I_{198} \;=\; & (\mu_{20}\mu_{30}\mu_{40}\mu_{14}\mu_{06} - \mu_{20}\mu_{30}\mu_{40}\mu_{05}\mu_{15} - \mu_{20}\mu_{30}\mu_{31}\mu_{23}\mu_{06} \\
& -2\mu_{20}\mu_{30}\mu_{31}\mu_{14}\mu_{15} + 3\mu_{20}\mu_{30}\mu_{31}\mu_{05}\mu_{24} + 3\mu_{20}\mu_{30}\mu_{22}\mu_{23}\mu_{15} \\
& -3\mu_{20}\mu_{30}\mu_{22}\mu_{05}\mu_{33} - 3\mu_{20}\mu_{30}\mu_{13}\mu_{23}\mu_{24} + 2\mu_{20}\mu_{30}\mu_{13}\mu_{14}\mu_{33} \\
& +\mu_{20}\mu_{30}\mu_{13}\mu_{05}\mu_{42} + \mu_{20}\mu_{30}\mu_{04}\mu_{23}\mu_{33} - \mu_{20}\mu_{30}\mu_{04}\mu_{14}\mu_{42} \\
& -3\mu_{20}\mu_{21}\mu_{40}\mu_{23}\mu_{06} + 3\mu_{20}\mu_{21}\mu_{40}\mu_{14}\mu_{15} + 3\mu_{20}\mu_{21}\mu_{31}\mu_{32}\mu_{06} \\
& +6\mu_{20}\mu_{21}\mu_{31}\mu_{23}\mu_{15} - 9\mu_{20}\mu_{21}\mu_{31}\mu_{14}\mu_{24} - 9\mu_{20}\mu_{21}\mu_{22}\mu_{32}\mu_{15} \\
& +9\mu_{20}\mu_{21}\mu_{22}\mu_{14}\mu_{33} + 9\mu_{20}\mu_{21}\mu_{13}\mu_{32}\mu_{24} - 6\mu_{20}\mu_{21}\mu_{13}\mu_{23}\mu_{33} \\
& -3\mu_{20}\mu_{21}\mu_{13}\mu_{14}\mu_{42} - 3\mu_{20}\mu_{21}\mu_{04}\mu_{32}\mu_{33} + 3\mu_{20}\mu_{21}\mu_{04}\mu_{23}\mu_{42} \\
& +3\mu_{20}\mu_{12}\mu_{40}\mu_{32}\mu_{06} - 3\mu_{20}\mu_{12}\mu_{40}\mu_{23}\mu_{15} - 3\mu_{20}\mu_{12}\mu_{31}\mu_{41}\mu_{06} \\
& -6\mu_{20}\mu_{12}\mu_{31}\mu_{32}\mu_{15} + 9\mu_{20}\mu_{12}\mu_{31}\mu_{23}\mu_{24} + 9\mu_{20}\mu_{12}\mu_{22}\mu_{41}\mu_{15} \\
& -9\mu_{20}\mu_{12}\mu_{22}\mu_{23}\mu_{33} - 9\mu_{20}\mu_{12}\mu_{13}\mu_{41}\mu_{24} + 6\mu_{20}\mu_{12}\mu_{13}\mu_{32}\mu_{33} \\
& +3\mu_{20}\mu_{12}\mu_{13}\mu_{23}\mu_{42} + 3\mu_{20}\mu_{12}\mu_{04}\mu_{41}\mu_{33} - 3\mu_{20}\mu_{12}\mu_{04}\mu_{32}\mu_{42} \\
& -\mu_{20}\mu_{03}\mu_{40}\mu_{41}\mu_{06} + \mu_{20}\mu_{03}\mu_{40}\mu_{32}\mu_{15} + \mu_{20}\mu_{03}\mu_{31}\mu_{50}\mu_{06} \\
& +2\mu_{20}\mu_{03}\mu_{31}\mu_{41}\mu_{15} - 3\mu_{20}\mu_{03}\mu_{31}\mu_{32}\mu_{24} - 3\mu_{20}\mu_{03}\mu_{22}\mu_{50}\mu_{15} \\
& +3\mu_{20}\mu_{03}\mu_{22}\mu_{32}\mu_{33} + 3\mu_{20}\mu_{03}\mu_{13}\mu_{50}\mu_{24} - 2\mu_{20}\mu_{03}\mu_{13}\mu_{41}\mu_{33} \\
& -\mu_{20}\mu_{03}\mu_{13}\mu_{32}\mu_{42} - \mu_{20}\mu_{03}\mu_{04}\mu_{50}\mu_{33} + \mu_{20}\mu_{03}\mu_{04}\mu_{41}\mu_{42} \\
& -2\mu_{11}\mu_{30}\mu_{40}\mu_{14}\mu_{15} + 2\mu_{11}\mu_{30}\mu_{40}\mu_{05}\mu_{24} + 2\mu_{11}\mu_{30}\mu_{31}\mu_{23}\mu_{15} \\
& +4\mu_{11}\mu_{30}\mu_{31}\mu_{14}\mu_{24} - 6\mu_{11}\mu_{30}\mu_{31}\mu_{05}\mu_{33} - 6\mu_{11}\mu_{30}\mu_{22}\mu_{23}\mu_{24} \\
& +6\mu_{11}\mu_{30}\mu_{22}\mu_{05}\mu_{42} + 6\mu_{11}\mu_{30}\mu_{13}\mu_{23}\mu_{33} - 4\mu_{11}\mu_{30}\mu_{13}\mu_{14}\mu_{42} \\
& -2\mu_{11}\mu_{30}\mu_{13}\mu_{05}\mu_{51} - 2\mu_{11}\mu_{30}\mu_{04}\mu_{23}\mu_{42} + 2\mu_{11}\mu_{30}\mu_{04}\mu_{14}\mu_{51} \\
& +6\mu_{11}\mu_{21}\mu_{40}\mu_{23}\mu_{15} - 6\mu_{11}\mu_{21}\mu_{40}\mu_{14}\mu_{24} - 6\mu_{11}\mu_{21}\mu_{31}\mu_{32}\mu_{15} \\
& -12\mu_{11}\mu_{21}\mu_{31}\mu_{23}\mu_{24} + 18\mu_{11}\mu_{21}\mu_{31}\mu_{14}\mu_{33} + 18\mu_{11}\mu_{21}\mu_{22}\mu_{32}\mu_{24} \\
& -18\mu_{11}\mu_{21}\mu_{22}\mu_{14}\mu_{42} - 18\mu_{11}\mu_{21}\mu_{13}\mu_{32}\mu_{33} + 12\mu_{11}\mu_{21}\mu_{13}\mu_{23}\mu_{42} \\
& +6\mu_{11}\mu_{21}\mu_{13}\mu_{14}\mu_{51} + 6\mu_{11}\mu_{21}\mu_{04}\mu_{32}\mu_{42} - 6\mu_{11}\mu_{21}\mu_{04}\mu_{23}\mu_{51} \\
& -6\mu_{11}\mu_{12}\mu_{40}\mu_{32}\mu_{15} + 6\mu_{11}\mu_{12}\mu_{40}\mu_{23}\mu_{24} + 6\mu_{11}\mu_{12}\mu_{31}\mu_{41}\mu_{15} \\
& +12\mu_{11}\mu_{12}\mu_{31}\mu_{32}\mu_{24} - 18\mu_{11}\mu_{12}\mu_{31}\mu_{23}\mu_{33} - 18\mu_{11}\mu_{12}\mu_{22}\mu_{41}\mu_{24} \\
& +18\mu_{11}\mu_{12}\mu_{22}\mu_{23}\mu_{42} + 18\mu_{11}\mu_{12}\mu_{13}\mu_{41}\mu_{33} - 12\mu_{11}\mu_{12}\mu_{13}\mu_{32}\mu_{42} \\
& -6\mu_{11}\mu_{12}\mu_{13}\mu_{23}\mu_{51} - 6\mu_{11}\mu_{12}\mu_{04}\mu_{41}\mu_{42} + 6\mu_{11}\mu_{12}\mu_{04}\mu_{32}\mu_{51} \\
& +2\mu_{11}\mu_{03}\mu_{40}\mu_{41}\mu_{15} - 2\mu_{11}\mu_{03}\mu_{40}\mu_{32}\mu_{24} - 2\mu_{11}\mu_{03}\mu_{31}\mu_{50}\mu_{15} \\
& -4\mu_{11}\mu_{03}\mu_{31}\mu_{41}\mu_{24} + 6\mu_{11}\mu_{03}\mu_{31}\mu_{32}\mu_{33} + 6\mu_{11}\mu_{03}\mu_{22}\mu_{50}\mu_{24} \\
& -6\mu_{11}\mu_{03}\mu_{22}\mu_{32}\mu_{42} - 6\mu_{11}\mu_{03}\mu_{13}\mu_{50}\mu_{33} + 4\mu_{11}\mu_{03}\mu_{13}\mu_{41}\mu_{42} \\
& +2\mu_{11}\mu_{03}\mu_{13}\mu_{32}\mu_{51} + 2\mu_{11}\mu_{03}\mu_{04}\mu_{50}\mu_{42} - 2\mu_{11}\mu_{03}\mu_{04}\mu_{41}\mu_{51} \\
& +\mu_{02}\mu_{30}\mu_{40}\mu_{14}\mu_{24} - \mu_{02}\mu_{30}\mu_{40}\mu_{05}\mu_{33} - \mu_{02}\mu_{30}\mu_{31}\mu_{23}\mu_{24} \\
& -2\mu_{02}\mu_{30}\mu_{31}\mu_{14}\mu_{33} + 3\mu_{02}\mu_{30}\mu_{31}\mu_{05}\mu_{42} + 3\mu_{02}\mu_{30}\mu_{22}\mu_{23}\mu_{33} \\
& -3\mu_{02}\mu_{30}\mu_{22}\mu_{05}\mu_{51} - 3\mu_{02}\mu_{30}\mu_{13}\mu_{23}\mu_{42} + 2\mu_{02}\mu_{30}\mu_{13}\mu_{14}\mu_{51} \\
& +\mu_{02}\mu_{30}\mu_{13}\mu_{05}\mu_{60} + \mu_{02}\mu_{30}\mu_{04}\mu_{23}\mu_{51} - \mu_{02}\mu_{30}\mu_{04}\mu_{14}\mu_{60} \\
& -3\mu_{02}\mu_{21}\mu_{40}\mu_{23}\mu_{24} + 3\mu_{02}\mu_{21}\mu_{40}\mu_{14}\mu_{33} + 3\mu_{02}\mu_{21}\mu_{31}\mu_{32}\mu_{24} \\
& +6\mu_{02}\mu_{21}\mu_{31}\mu_{23}\mu_{33} - 9\mu_{02}\mu_{21}\mu_{31}\mu_{14}\mu_{42} - 9\mu_{02}\mu_{21}\mu_{22}\mu_{32}\mu_{33} \\
& +9\mu_{02}\mu_{21}\mu_{22}\mu_{14}\mu_{51} + 9\mu_{02}\mu_{21}\mu_{13}\mu_{32}\mu_{42} - 6\mu_{02}\mu_{21}\mu_{13}\mu_{23}\mu_{51} \\
& -3\mu_{02}\mu_{21}\mu_{13}\mu_{14}\mu_{60} - 3\mu_{02}\mu_{21}\mu_{04}\mu_{32}\mu_{51} + 3\mu_{02}\mu_{21}\mu_{04}\mu_{23}\mu_{60} \\
& +3\mu_{02}\mu_{12}\mu_{40}\mu_{32}\mu_{24} - 3\mu_{02}\mu_{12}\mu_{40}\mu_{23}\mu_{33} - 3\mu_{02}\mu_{12}\mu_{31}\mu_{41}\mu_{24} \\
& -6\mu_{02}\mu_{12}\mu_{31}\mu_{32}\mu_{33} + 9\mu_{02}\mu_{12}\mu_{31}\mu_{23}\mu_{42} + 9\mu_{02}\mu_{12}\mu_{22}\mu_{41}\mu_{33} \\
& -9\mu_{02}\mu_{12}\mu_{22}\mu_{23}\mu_{51} - 9\mu_{02}\mu_{12}\mu_{13}\mu_{41}\mu_{42} + 6\mu_{02}\mu_{12}\mu_{13}\mu_{32}\mu_{51} \\
& +3\mu_{02}\mu_{12}\mu_{13}\mu_{23}\mu_{60} + 3\mu_{02}\mu_{12}\mu_{04}\mu_{41}\mu_{51} - 3\mu_{02}\mu_{12}\mu_{04}\mu_{32}\mu_{60} \\
& -\mu_{02}\mu_{03}\mu_{40}\mu_{41}\mu_{24} + \mu_{02}\mu_{03}\mu_{40}\mu_{32}\mu_{33} + \mu_{02}\mu_{03}\mu_{31}\mu_{50}\mu_{24} \\
& +2\mu_{02}\mu_{03}\mu_{31}\mu_{41}\mu_{33} - 3\mu_{02}\mu_{03}\mu_{31}\mu_{32}\mu_{42} - 3\mu_{02}\mu_{03}\mu_{22}\mu_{50}\mu_{33}
\end{aligned}
$$

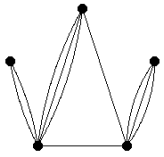
$$+3\mu_{02}\mu_{03}\mu_{22}\mu_{32}\mu_{51}+3\mu_{02}\mu_{03}\mu_{13}\mu_{50}\mu_{42}-2\mu_{02}\mu_{03}\mu_{13}\mu_{41}\mu_{51}$$
$$-\mu_{02}\mu_{03}\mu_{13}\mu_{32}\mu_{60}-\mu_{02}\mu_{03}\mu_{04}\mu_{50}\mu_{51}+\mu_{02}\mu_{03}\mu_{04}\mu_{41}\mu_{60})/\mu_{00}^{15}$$

weight=10

structure: 1,1,1,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 2 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |



$$
\begin{aligned}
I_{199} \;=\; & (\mu_{20}\mu_{30}\mu_{31}\mu_{23}\mu_{06} - 2\mu_{20}\mu_{30}\mu_{31}\mu_{14}\mu_{15} + \mu_{20}\mu_{30}\mu_{31}\mu_{05}\mu_{24} \\
& -3\mu_{20}\mu_{30}\mu_{22}\mu_{23}\mu_{15} + 6\mu_{20}\mu_{30}\mu_{22}\mu_{14}\mu_{24} - 3\mu_{20}\mu_{30}\mu_{22}\mu_{05}\mu_{33} \\
& +3\mu_{20}\mu_{30}\mu_{13}\mu_{23}\mu_{24} - 6\mu_{20}\mu_{30}\mu_{13}\mu_{14}\mu_{33} + 3\mu_{20}\mu_{30}\mu_{13}\mu_{05}\mu_{42} \\
& -\mu_{20}\mu_{30}\mu_{04}\mu_{23}\mu_{33} + 2\mu_{20}\mu_{30}\mu_{04}\mu_{14}\mu_{42} - \mu_{20}\mu_{30}\mu_{04}\mu_{05}\mu_{51} \\
& -2\mu_{20}\mu_{21}\mu_{31}\mu_{32}\mu_{06} + 3\mu_{20}\mu_{21}\mu_{31}\mu_{23}\mu_{15} - \mu_{20}\mu_{21}\mu_{31}\mu_{05}\mu_{33} \\
& +6\mu_{20}\mu_{21}\mu_{22}\mu_{32}\mu_{15} - 9\mu_{20}\mu_{21}\mu_{22}\mu_{23}\mu_{24} + 3\mu_{20}\mu_{21}\mu_{22}\mu_{05}\mu_{42} \\
& -6\mu_{20}\mu_{21}\mu_{13}\mu_{32}\mu_{24} + 9\mu_{20}\mu_{21}\mu_{13}\mu_{23}\mu_{33} - 3\mu_{20}\mu_{21}\mu_{13}\mu_{05}\mu_{51} \\
& +2\mu_{20}\mu_{21}\mu_{04}\mu_{32}\mu_{33} - 3\mu_{20}\mu_{21}\mu_{04}\mu_{23}\mu_{42} + \mu_{20}\mu_{21}\mu_{04}\mu_{05}\mu_{60} \\
& +\mu_{20}\mu_{12}\mu_{31}\mu_{41}\mu_{06} - 3\mu_{20}\mu_{12}\mu_{31}\mu_{23}\mu_{24} + 2\mu_{20}\mu_{12}\mu_{31}\mu_{14}\mu_{33} \\
& -3\mu_{20}\mu_{12}\mu_{22}\mu_{41}\mu_{15} + 9\mu_{20}\mu_{12}\mu_{22}\mu_{23}\mu_{33} - 6\mu_{20}\mu_{12}\mu_{22}\mu_{14}\mu_{42} \\
& +3\mu_{20}\mu_{12}\mu_{13}\mu_{41}\mu_{24} - 9\mu_{20}\mu_{12}\mu_{13}\mu_{23}\mu_{42} + 6\mu_{20}\mu_{12}\mu_{13}\mu_{14}\mu_{51} \\
& -\mu_{20}\mu_{12}\mu_{04}\mu_{41}\mu_{33} + 3\mu_{20}\mu_{12}\mu_{04}\mu_{23}\mu_{51} - 2\mu_{20}\mu_{12}\mu_{04}\mu_{14}\mu_{60} \\
& -\mu_{20}\mu_{03}\mu_{31}\mu_{41}\mu_{15} + 2\mu_{20}\mu_{03}\mu_{31}\mu_{32}\mu_{24} - \mu_{20}\mu_{03}\mu_{31}\mu_{23}\mu_{33} \\
& +3\mu_{20}\mu_{03}\mu_{22}\mu_{41}\mu_{24} - 6\mu_{20}\mu_{03}\mu_{22}\mu_{32}\mu_{33} + 3\mu_{20}\mu_{03}\mu_{22}\mu_{23}\mu_{42} \\
& -3\mu_{20}\mu_{03}\mu_{13}\mu_{41}\mu_{33} + 6\mu_{20}\mu_{03}\mu_{13}\mu_{32}\mu_{42} - 3\mu_{20}\mu_{03}\mu_{13}\mu_{23}\mu_{51} \\
& +\mu_{20}\mu_{03}\mu_{04}\mu_{41}\mu_{42} - 2\mu_{20}\mu_{03}\mu_{04}\mu_{32}\mu_{51} + \mu_{20}\mu_{03}\mu_{04}\mu_{23}\mu_{60} \\
& -\mu_{11}\mu_{30}\mu_{40}\mu_{23}\mu_{06} + 2\mu_{11}\mu_{30}\mu_{40}\mu_{14}\mu_{15} - \mu_{11}\mu_{30}\mu_{40}\mu_{05}\mu_{24} \\
& -\mu_{11}\mu_{30}\mu_{31}\mu_{32}\mu_{06} + 5\mu_{11}\mu_{30}\mu_{31}\mu_{23}\mu_{15} - 7\mu_{11}\mu_{30}\mu_{31}\mu_{14}\mu_{24} \\
& +3\mu_{11}\mu_{30}\mu_{31}\mu_{05}\mu_{33} + 3\mu_{11}\mu_{30}\mu_{22}\mu_{32}\mu_{15} - 9\mu_{11}\mu_{30}\mu_{22}\mu_{23}\mu_{24} \\
& +9\mu_{11}\mu_{30}\mu_{22}\mu_{14}\mu_{33} - 3\mu_{11}\mu_{30}\mu_{22}\mu_{05}\mu_{42} - 3\mu_{11}\mu_{30}\mu_{13}\mu_{32}\mu_{24} \\
& +7\mu_{11}\mu_{30}\mu_{13}\mu_{23}\mu_{33} - 5\mu_{11}\mu_{30}\mu_{13}\mu_{14}\mu_{42} + \mu_{11}\mu_{30}\mu_{13}\mu_{05}\mu_{51} \\
& +\mu_{11}\mu_{30}\mu_{04}\mu_{32}\mu_{33} - 2\mu_{11}\mu_{30}\mu_{04}\mu_{23}\mu_{42} + \mu_{11}\mu_{30}\mu_{04}\mu_{14}\mu_{51} \\
& +2\mu_{11}\mu_{21}\mu_{40}\mu_{32}\mu_{06} - 3\mu_{11}\mu_{21}\mu_{40}\mu_{23}\mu_{15} + \mu_{11}\mu_{21}\mu_{40}\mu_{05}\mu_{33} \\
& +2\mu_{11}\mu_{21}\mu_{31}\mu_{41}\mu_{06} - 9\mu_{11}\mu_{21}\mu_{31}\mu_{32}\mu_{15} + 9\mu_{11}\mu_{21}\mu_{31}\mu_{23}\mu_{24} \\
& +\mu_{11}\mu_{21}\mu_{31}\mu_{14}\mu_{33} - 3\mu_{11}\mu_{21}\mu_{31}\mu_{05}\mu_{42} - 6\mu_{11}\mu_{21}\mu_{22}\mu_{41}\mu_{15} \\
& +15\mu_{11}\mu_{21}\mu_{22}\mu_{32}\mu_{24} - 9\mu_{11}\mu_{21}\mu_{22}\mu_{23}\mu_{33} - 3\mu_{11}\mu_{21}\mu_{22}\mu_{14}\mu_{42} \\
& +3\mu_{11}\mu_{21}\mu_{22}\mu_{05}\mu_{51} + 6\mu_{11}\mu_{21}\mu_{13}\mu_{41}\mu_{24} - 11\mu_{11}\mu_{21}\mu_{13}\mu_{32}\mu_{33} \\
& +3\mu_{11}\mu_{21}\mu_{13}\mu_{23}\mu_{42} + 3\mu_{11}\mu_{21}\mu_{13}\mu_{14}\mu_{51} - \mu_{11}\mu_{21}\mu_{13}\mu_{05}\mu_{60} \\
& -2\mu_{11}\mu_{21}\mu_{04}\mu_{41}\mu_{33} + 3\mu_{11}\mu_{21}\mu_{04}\mu_{32}\mu_{42} - \mu_{11}\mu_{21}\mu_{04}\mu_{14}\mu_{60} \\
& -\mu_{11}\mu_{12}\mu_{40}\mu_{41}\mu_{06} + 3\mu_{11}\mu_{12}\mu_{40}\mu_{23}\mu_{24} - 2\mu_{11}\mu_{12}\mu_{40}\mu_{14}\mu_{33} \\
& -\mu_{11}\mu_{12}\mu_{31}\mu_{50}\mu_{06} + 3\mu_{11}\mu_{12}\mu_{31}\mu_{41}\mu_{15} + 3\mu_{11}\mu_{12}\mu_{31}\mu_{32}\mu_{24} \\
& -11\mu_{11}\mu_{12}\mu_{31}\mu_{23}\mu_{33} + 6\mu_{11}\mu_{12}\mu_{31}\mu_{14}\mu_{42} + 3\mu_{11}\mu_{12}\mu_{22}\mu_{50}\mu_{15} \\
& -3\mu_{11}\mu_{12}\mu_{22}\mu_{41}\mu_{24} - 9\mu_{11}\mu_{12}\mu_{22}\mu_{32}\mu_{33} + 15\mu_{11}\mu_{12}\mu_{22}\mu_{23}\mu_{42} \\
& -6\mu_{11}\mu_{12}\mu_{22}\mu_{14}\mu_{51} - 3\mu_{11}\mu_{12}\mu_{13}\mu_{50}\mu_{24} + \mu_{11}\mu_{12}\mu_{13}\mu_{41}\mu_{33} \\
& +9\mu_{11}\mu_{12}\mu_{13}\mu_{32}\mu_{42} - 9\mu_{11}\mu_{12}\mu_{13}\mu_{23}\mu_{51} + 2\mu_{11}\mu_{12}\mu_{13}\mu_{14}\mu_{60} \\
& +\mu_{11}\mu_{12}\mu_{04}\mu_{50}\mu_{33} - 3\mu_{11}\mu_{12}\mu_{04}\mu_{32}\mu_{51} + 2\mu_{11}\mu_{12}\mu_{04}\mu_{23}\mu_{60} \\
& +\mu_{11}\mu_{03}\mu_{40}\mu_{41}\mu_{15} - 2\mu_{11}\mu_{03}\mu_{40}\mu_{32}\mu_{24} + \mu_{11}\mu_{03}\mu_{40}\mu_{23}\mu_{33} \\
& +\mu_{11}\mu_{03}\mu_{31}\mu_{50}\mu_{15} - 5\mu_{11}\mu_{03}\mu_{31}\mu_{41}\mu_{24} + 7\mu_{11}\mu_{03}\mu_{31}\mu_{32}\mu_{33} \\
& -3\mu_{11}\mu_{03}\mu_{31}\mu_{23}\mu_{42} - 3\mu_{11}\mu_{03}\mu_{22}\mu_{50}\mu_{24} + 9\mu_{11}\mu_{03}\mu_{22}\mu_{41}\mu_{33} \\
& -9\mu_{11}\mu_{03}\mu_{22}\mu_{32}\mu_{42} + 3\mu_{11}\mu_{03}\mu_{22}\mu_{23}\mu_{51} + 3\mu_{11}\mu_{03}\mu_{13}\mu_{50}\mu_{33} \\
& -7\mu_{11}\mu_{03}\mu_{13}\mu_{41}\mu_{42} + 5\mu_{11}\mu_{03}\mu_{13}\mu_{32}\mu_{51} - \mu_{11}\mu_{03}\mu_{13}\mu_{23}\mu_{60} \\
& -\mu_{11}\mu_{03}\mu_{04}\mu_{50}\mu_{42} + 2\mu_{11}\mu_{03}\mu_{04}\mu_{41}\mu_{51} - \mu_{11}\mu_{03}\mu_{04}\mu_{32}\mu_{60} \\
& +\mu_{02}\mu_{30}\mu_{40}\mu_{32}\mu_{06} - 2\mu_{02}\mu_{30}\mu_{40}\mu_{23}\mu_{15} + \mu_{02}\mu_{30}\mu_{40}\mu_{14}\mu_{24} \\
& -3\mu_{02}\mu_{30}\mu_{31}\mu_{32}\mu_{15} + 6\mu_{02}\mu_{30}\mu_{31}\mu_{23}\mu_{24} - 3\mu_{02}\mu_{30}\mu_{31}\mu_{14}\mu_{33} \\
& +3\mu_{02}\mu_{30}\mu_{22}\mu_{32}\mu_{24} - 6\mu_{02}\mu_{30}\mu_{22}\mu_{23}\mu_{33} + 3\mu_{02}\mu_{30}\mu_{22}\mu_{14}\mu_{42} \\
& -\mu_{02}\mu_{30}\mu_{13}\mu_{32}\mu_{33} + 2\mu_{02}\mu_{30}\mu_{13}\mu_{23}\mu_{42} - \mu_{02}\mu_{30}\mu_{13}\mu_{14}\mu_{51}
\end{aligned}
$$

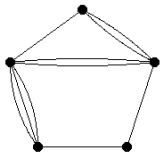
$$-2\mu_{02}\mu_{21}\mu_{40}\mu_{41}\mu_{06}+3\mu_{02}\mu_{21}\mu_{40}\mu_{32}\mu_{15}-\mu_{02}\mu_{21}\mu_{40}\mu_{14}\mu_{33}$$
$$+6\mu_{02}\mu_{21}\mu_{31}\mu_{41}\mu_{15}-9\mu_{02}\mu_{21}\mu_{31}\mu_{32}\mu_{24}+3\mu_{02}\mu_{21}\mu_{31}\mu_{14}\mu_{42}$$
$$-6\mu_{02}\mu_{21}\mu_{22}\mu_{41}\mu_{24}+9\mu_{02}\mu_{21}\mu_{22}\mu_{32}\mu_{33}-3\mu_{02}\mu_{21}\mu_{22}\mu_{14}\mu_{51}$$
$$+2\mu_{02}\mu_{21}\mu_{13}\mu_{41}\mu_{33}-3\mu_{02}\mu_{21}\mu_{13}\mu_{32}\mu_{42}+\mu_{02}\mu_{21}\mu_{13}\mu_{14}\mu_{60}$$
$$+\mu_{02}\mu_{12}\mu_{40}\mu_{50}\mu_{06}-3\mu_{02}\mu_{12}\mu_{40}\mu_{32}\mu_{24}+2\mu_{02}\mu_{12}\mu_{40}\mu_{23}\mu_{33}$$
$$-3\mu_{02}\mu_{12}\mu_{31}\mu_{50}\mu_{15}+9\mu_{02}\mu_{12}\mu_{31}\mu_{32}\mu_{33}-6\mu_{02}\mu_{12}\mu_{31}\mu_{23}\mu_{42}$$
$$+3\mu_{02}\mu_{12}\mu_{22}\mu_{50}\mu_{24}-9\mu_{02}\mu_{12}\mu_{22}\mu_{32}\mu_{42}+6\mu_{02}\mu_{12}\mu_{22}\mu_{23}\mu_{51}$$
$$-\mu_{02}\mu_{12}\mu_{13}\mu_{50}\mu_{33}+3\mu_{02}\mu_{12}\mu_{13}\mu_{32}\mu_{51}-2\mu_{02}\mu_{12}\mu_{13}\mu_{23}\mu_{60}$$
$$-\mu_{02}\mu_{03}\mu_{40}\mu_{50}\mu_{15}+2\mu_{02}\mu_{03}\mu_{40}\mu_{41}\mu_{24}-\mu_{02}\mu_{03}\mu_{40}\mu_{32}\mu_{33}$$
$$+3\mu_{02}\mu_{03}\mu_{31}\mu_{50}\mu_{24}-6\mu_{02}\mu_{03}\mu_{31}\mu_{41}\mu_{33}+3\mu_{02}\mu_{03}\mu_{31}\mu_{32}\mu_{42}$$
$$-3\mu_{02}\mu_{03}\mu_{22}\mu_{50}\mu_{33}+6\mu_{02}\mu_{03}\mu_{22}\mu_{41}\mu_{42}-3\mu_{02}\mu_{03}\mu_{22}\mu_{32}\mu_{51}$$
$$+\mu_{02}\mu_{03}\mu_{13}\mu_{50}\mu_{42}-2\mu_{02}\mu_{03}\mu_{13}\mu_{41}\mu_{51}+\mu_{02}\mu_{03}\mu_{13}\mu_{32}\mu_{60})/\mu_{00}^{15}$$

weight=10

structure: 1,1,1,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |



$$
\begin{aligned}
I_{200} \;=\; & (\mu_{20}\mu_{21}\mu_{40}\mu_{23}\mu_{06} - 2\mu_{20}\mu_{21}\mu_{40}\mu_{14}\mu_{15} + \mu_{20}\mu_{21}\mu_{40}\mu_{05}\mu_{24} \\
& -2\mu_{20}\mu_{21}\mu_{31}\mu_{32}\mu_{06} + 2\mu_{20}\mu_{21}\mu_{31}\mu_{23}\mu_{15} + 2\mu_{20}\mu_{21}\mu_{31}\mu_{14}\mu_{24} \\
& -2\mu_{20}\mu_{21}\mu_{31}\mu_{05}\mu_{33} + \mu_{20}\mu_{21}\mu_{22}\mu_{41}\mu_{06} + 2\mu_{20}\mu_{21}\mu_{22}\mu_{32}\mu_{15} \\
& -6\mu_{20}\mu_{21}\mu_{22}\mu_{23}\mu_{24} + 2\mu_{20}\mu_{21}\mu_{22}\mu_{14}\mu_{33} + \mu_{20}\mu_{21}\mu_{22}\mu_{05}\mu_{42} \\
& -2\mu_{20}\mu_{21}\mu_{13}\mu_{41}\mu_{15} + 2\mu_{20}\mu_{21}\mu_{13}\mu_{32}\mu_{24} + 2\mu_{20}\mu_{21}\mu_{13}\mu_{23}\mu_{33} \\
& -2\mu_{20}\mu_{21}\mu_{13}\mu_{14}\mu_{42} + \mu_{20}\mu_{21}\mu_{04}\mu_{41}\mu_{24} - 2\mu_{20}\mu_{21}\mu_{04}\mu_{32}\mu_{33} \\
& +\mu_{20}\mu_{21}\mu_{04}\mu_{23}\mu_{42} - 2\mu_{20}\mu_{12}\mu_{40}\mu_{23}\mu_{15} + 4\mu_{20}\mu_{12}\mu_{40}\mu_{14}\mu_{24} \\
& -2\mu_{20}\mu_{12}\mu_{40}\mu_{05}\mu_{33} + 4\mu_{20}\mu_{12}\mu_{31}\mu_{32}\mu_{15} - 4\mu_{20}\mu_{12}\mu_{31}\mu_{23}\mu_{24} \\
& -4\mu_{20}\mu_{12}\mu_{31}\mu_{14}\mu_{33} + 4\mu_{20}\mu_{12}\mu_{31}\mu_{05}\mu_{42} - 2\mu_{20}\mu_{12}\mu_{22}\mu_{41}\mu_{15} \\
& -4\mu_{20}\mu_{12}\mu_{22}\mu_{32}\mu_{24} + 12\mu_{20}\mu_{12}\mu_{22}\mu_{23}\mu_{33} - 4\mu_{20}\mu_{12}\mu_{22}\mu_{14}\mu_{42} \\
& -2\mu_{20}\mu_{12}\mu_{22}\mu_{05}\mu_{51} + 4\mu_{20}\mu_{12}\mu_{13}\mu_{41}\mu_{24} - 4\mu_{20}\mu_{12}\mu_{13}\mu_{32}\mu_{33} \\
& -4\mu_{20}\mu_{12}\mu_{13}\mu_{23}\mu_{42} + 4\mu_{20}\mu_{12}\mu_{13}\mu_{14}\mu_{51} - 2\mu_{20}\mu_{12}\mu_{04}\mu_{41}\mu_{33} \\
& +4\mu_{20}\mu_{12}\mu_{04}\mu_{32}\mu_{42} - 2\mu_{20}\mu_{12}\mu_{04}\mu_{23}\mu_{51} + \mu_{20}\mu_{03}\mu_{40}\mu_{23}\mu_{24} \\
& -2\mu_{20}\mu_{03}\mu_{40}\mu_{14}\mu_{33} + \mu_{20}\mu_{03}\mu_{40}\mu_{05}\mu_{42} - 2\mu_{20}\mu_{03}\mu_{31}\mu_{32}\mu_{24} \\
& +2\mu_{20}\mu_{03}\mu_{31}\mu_{23}\mu_{33} + 2\mu_{20}\mu_{03}\mu_{31}\mu_{14}\mu_{42} - 2\mu_{20}\mu_{03}\mu_{31}\mu_{05}\mu_{51} \\
& +\mu_{20}\mu_{03}\mu_{22}\mu_{41}\mu_{24} + 2\mu_{20}\mu_{03}\mu_{22}\mu_{32}\mu_{33} - 6\mu_{20}\mu_{03}\mu_{22}\mu_{23}\mu_{42} \\
& +2\mu_{20}\mu_{03}\mu_{22}\mu_{14}\mu_{51} + \mu_{20}\mu_{03}\mu_{22}\mu_{05}\mu_{60} - 2\mu_{20}\mu_{03}\mu_{13}\mu_{41}\mu_{33} \\
& +2\mu_{20}\mu_{03}\mu_{13}\mu_{32}\mu_{42} + 2\mu_{20}\mu_{03}\mu_{13}\mu_{23}\mu_{51} - 2\mu_{20}\mu_{03}\mu_{13}\mu_{14}\mu_{60} \\
& +\mu_{20}\mu_{03}\mu_{04}\mu_{41}\mu_{42} - 2\mu_{20}\mu_{03}\mu_{04}\mu_{32}\mu_{51} + \mu_{20}\mu_{03}\mu_{04}\mu_{23}\mu_{60} \\
& -\mu_{11}\mu_{30}\mu_{40}\mu_{23}\mu_{06} + 2\mu_{11}\mu_{30}\mu_{40}\mu_{14}\mu_{15} - \mu_{11}\mu_{30}\mu_{40}\mu_{05}\mu_{24} \\
& +2\mu_{11}\mu_{30}\mu_{31}\mu_{32}\mu_{06} - 2\mu_{11}\mu_{30}\mu_{31}\mu_{23}\mu_{15} - 2\mu_{11}\mu_{30}\mu_{31}\mu_{14}\mu_{24} \\
& +2\mu_{11}\mu_{30}\mu_{31}\mu_{05}\mu_{33} - \mu_{11}\mu_{30}\mu_{22}\mu_{41}\mu_{06} - 2\mu_{11}\mu_{30}\mu_{22}\mu_{32}\mu_{15} \\
& +6\mu_{11}\mu_{30}\mu_{22}\mu_{23}\mu_{24} - 2\mu_{11}\mu_{30}\mu_{22}\mu_{14}\mu_{33} - \mu_{11}\mu_{30}\mu_{22}\mu_{05}\mu_{42} \\
& +2\mu_{11}\mu_{30}\mu_{13}\mu_{41}\mu_{15} - 2\mu_{11}\mu_{30}\mu_{13}\mu_{32}\mu_{24} - 2\mu_{11}\mu_{30}\mu_{13}\mu_{23}\mu_{33} \\
& +2\mu_{11}\mu_{30}\mu_{13}\mu_{14}\mu_{42} - \mu_{11}\mu_{30}\mu_{04}\mu_{41}\mu_{24} + 2\mu_{11}\mu_{30}\mu_{04}\mu_{32}\mu_{33} \\
& -\mu_{11}\mu_{30}\mu_{04}\mu_{23}\mu_{42} - \mu_{11}\mu_{21}\mu_{40}\mu_{32}\mu_{06} + 4\mu_{11}\mu_{21}\mu_{40}\mu_{23}\mu_{15} \\
& -5\mu_{11}\mu_{21}\mu_{40}\mu_{14}\mu_{24} + 2\mu_{11}\mu_{21}\mu_{40}\mu_{05}\mu_{33} + 2\mu_{11}\mu_{21}\mu_{31}\mu_{41}\mu_{06} \\
& -6\mu_{11}\mu_{21}\mu_{31}\mu_{32}\mu_{15} + 2\mu_{11}\mu_{21}\mu_{31}\mu_{23}\mu_{24} + 6\mu_{11}\mu_{21}\mu_{31}\mu_{14}\mu_{33} \\
& -4\mu_{11}\mu_{21}\mu_{31}\mu_{05}\mu_{42} - \mu_{11}\mu_{21}\mu_{22}\mu_{50}\mu_{06} + 10\mu_{11}\mu_{21}\mu_{22}\mu_{32}\mu_{24} \\
& -14\mu_{11}\mu_{21}\mu_{22}\mu_{23}\mu_{33} + 3\mu_{11}\mu_{21}\mu_{22}\mu_{14}\mu_{42} + 2\mu_{11}\mu_{21}\mu_{22}\mu_{05}\mu_{51} \\
& +2\mu_{11}\mu_{21}\mu_{13}\mu_{50}\mu_{15} - 6\mu_{11}\mu_{21}\mu_{13}\mu_{41}\mu_{24} + 2\mu_{11}\mu_{21}\mu_{13}\mu_{32}\mu_{33} \\
& +6\mu_{11}\mu_{21}\mu_{13}\mu_{23}\mu_{42} - 4\mu_{11}\mu_{21}\mu_{13}\mu_{14}\mu_{51} - \mu_{11}\mu_{21}\mu_{04}\mu_{50}\mu_{24} \\
& +4\mu_{11}\mu_{21}\mu_{04}\mu_{41}\mu_{33} - 5\mu_{11}\mu_{21}\mu_{04}\mu_{32}\mu_{42} + 2\mu_{11}\mu_{21}\mu_{04}\mu_{23}\mu_{51} \\
& +2\mu_{11}\mu_{12}\mu_{40}\mu_{32}\mu_{15} - 5\mu_{11}\mu_{12}\mu_{40}\mu_{23}\mu_{24} + 4\mu_{11}\mu_{12}\mu_{40}\mu_{14}\mu_{33} \\
& -\mu_{11}\mu_{12}\mu_{40}\mu_{05}\mu_{42} - 4\mu_{11}\mu_{12}\mu_{31}\mu_{41}\mu_{15} + 6\mu_{11}\mu_{12}\mu_{31}\mu_{32}\mu_{24} \\
& +2\mu_{11}\mu_{12}\mu_{31}\mu_{23}\mu_{33} - 6\mu_{11}\mu_{12}\mu_{31}\mu_{14}\mu_{42} + 2\mu_{11}\mu_{12}\mu_{31}\mu_{05}\mu_{51} \\
& +2\mu_{11}\mu_{12}\mu_{22}\mu_{50}\mu_{15} + 3\mu_{11}\mu_{12}\mu_{22}\mu_{41}\mu_{24} - 14\mu_{11}\mu_{12}\mu_{22}\mu_{32}\mu_{33} \\
& +10\mu_{11}\mu_{12}\mu_{22}\mu_{23}\mu_{42} - \mu_{11}\mu_{12}\mu_{22}\mu_{05}\mu_{60} - 4\mu_{11}\mu_{12}\mu_{13}\mu_{50}\mu_{24} \\
& +6\mu_{11}\mu_{12}\mu_{13}\mu_{41}\mu_{33} + 2\mu_{11}\mu_{12}\mu_{13}\mu_{32}\mu_{42} - 6\mu_{11}\mu_{12}\mu_{13}\mu_{23}\mu_{51} \\
& +2\mu_{11}\mu_{12}\mu_{13}\mu_{14}\mu_{60} + 2\mu_{11}\mu_{12}\mu_{04}\mu_{50}\mu_{33} - 5\mu_{11}\mu_{12}\mu_{04}\mu_{41}\mu_{42} \\
& +4\mu_{11}\mu_{12}\mu_{04}\mu_{32}\mu_{51} - \mu_{11}\mu_{12}\mu_{04}\mu_{23}\mu_{60} - \mu_{11}\mu_{03}\mu_{40}\mu_{32}\mu_{24} \\
& +2\mu_{11}\mu_{03}\mu_{40}\mu_{23}\mu_{33} - \mu_{11}\mu_{03}\mu_{40}\mu_{14}\mu_{42} + 2\mu_{11}\mu_{03}\mu_{31}\mu_{41}\mu_{24} \\
& -2\mu_{11}\mu_{03}\mu_{31}\mu_{32}\mu_{33} - 2\mu_{11}\mu_{03}\mu_{31}\mu_{23}\mu_{42} + 2\mu_{11}\mu_{03}\mu_{31}\mu_{14}\mu_{51} \\
& -\mu_{11}\mu_{03}\mu_{22}\mu_{50}\mu_{24} - 2\mu_{11}\mu_{03}\mu_{22}\mu_{41}\mu_{33} + 6\mu_{11}\mu_{03}\mu_{22}\mu_{32}\mu_{42} \\
& -2\mu_{11}\mu_{03}\mu_{22}\mu_{23}\mu_{51} - \mu_{11}\mu_{03}\mu_{22}\mu_{14}\mu_{60} + 2\mu_{11}\mu_{03}\mu_{13}\mu_{50}\mu_{33} \\
& -2\mu_{11}\mu_{03}\mu_{13}\mu_{41}\mu_{42} - 2\mu_{11}\mu_{03}\mu_{13}\mu_{32}\mu_{51} + 2\mu_{11}\mu_{03}\mu_{13}\mu_{23}\mu_{60}
\end{aligned}
$$

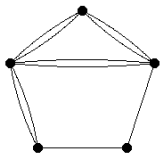
$$-\mu_{11}\mu_{03}\mu_{04}\mu_{50}\mu_{42} + 2\mu_{11}\mu_{03}\mu_{04}\mu_{41}\mu_{51} - \mu_{11}\mu_{03}\mu_{04}\mu_{32}\mu_{60}$$
$$+\mu_{02}\mu_{30}\mu_{40}\mu_{32}\mu_{06} - 2\mu_{02}\mu_{30}\mu_{40}\mu_{23}\mu_{15} + \mu_{02}\mu_{30}\mu_{40}\mu_{14}\mu_{24}$$
$$-2\mu_{02}\mu_{30}\mu_{31}\mu_{41}\mu_{06} + 2\mu_{02}\mu_{30}\mu_{31}\mu_{32}\mu_{15} + 2\mu_{02}\mu_{30}\mu_{31}\mu_{23}\mu_{24}$$
$$-2\mu_{02}\mu_{30}\mu_{31}\mu_{14}\mu_{33} + \mu_{02}\mu_{30}\mu_{22}\mu_{50}\mu_{06} + 2\mu_{02}\mu_{30}\mu_{22}\mu_{41}\mu_{15}$$
$$-6\mu_{02}\mu_{30}\mu_{22}\mu_{32}\mu_{24} + 2\mu_{02}\mu_{30}\mu_{22}\mu_{23}\mu_{33} + \mu_{02}\mu_{30}\mu_{22}\mu_{14}\mu_{42}$$
$$-2\mu_{02}\mu_{30}\mu_{13}\mu_{50}\mu_{15} + 2\mu_{02}\mu_{30}\mu_{13}\mu_{41}\mu_{24} + 2\mu_{02}\mu_{30}\mu_{13}\mu_{32}\mu_{33}$$
$$-2\mu_{02}\mu_{30}\mu_{13}\mu_{23}\mu_{42} + \mu_{02}\mu_{30}\mu_{04}\mu_{50}\mu_{24} - 2\mu_{02}\mu_{30}\mu_{04}\mu_{41}\mu_{33}$$
$$+\mu_{02}\mu_{30}\mu_{04}\mu_{32}\mu_{42} - 2\mu_{02}\mu_{21}\mu_{40}\mu_{32}\mu_{15} + 4\mu_{02}\mu_{21}\mu_{40}\mu_{23}\mu_{24}$$
$$-2\mu_{02}\mu_{21}\mu_{40}\mu_{14}\mu_{33} + 4\mu_{02}\mu_{21}\mu_{31}\mu_{41}\mu_{15} - 4\mu_{02}\mu_{21}\mu_{31}\mu_{32}\mu_{24}$$
$$-4\mu_{02}\mu_{21}\mu_{31}\mu_{23}\mu_{33} + 4\mu_{02}\mu_{21}\mu_{31}\mu_{14}\mu_{42} - 2\mu_{02}\mu_{21}\mu_{22}\mu_{50}\mu_{15}$$
$$-4\mu_{02}\mu_{21}\mu_{22}\mu_{41}\mu_{24} + 12\mu_{02}\mu_{21}\mu_{22}\mu_{32}\mu_{33} - 4\mu_{02}\mu_{21}\mu_{22}\mu_{23}\mu_{42}$$
$$-2\mu_{02}\mu_{21}\mu_{22}\mu_{14}\mu_{51} + 4\mu_{02}\mu_{21}\mu_{13}\mu_{50}\mu_{24} - 4\mu_{02}\mu_{21}\mu_{13}\mu_{41}\mu_{33}$$
$$-4\mu_{02}\mu_{21}\mu_{13}\mu_{32}\mu_{42} + 4\mu_{02}\mu_{21}\mu_{13}\mu_{23}\mu_{51} - 2\mu_{02}\mu_{21}\mu_{04}\mu_{50}\mu_{33}$$
$$+4\mu_{02}\mu_{21}\mu_{04}\mu_{41}\mu_{42} - 2\mu_{02}\mu_{21}\mu_{04}\mu_{32}\mu_{51} + \mu_{02}\mu_{12}\mu_{40}\mu_{32}\mu_{24}$$
$$-2\mu_{02}\mu_{12}\mu_{40}\mu_{23}\mu_{33} + \mu_{02}\mu_{12}\mu_{40}\mu_{14}\mu_{42} - 2\mu_{02}\mu_{12}\mu_{31}\mu_{41}\mu_{24}$$
$$+2\mu_{02}\mu_{12}\mu_{31}\mu_{32}\mu_{33} + 2\mu_{02}\mu_{12}\mu_{31}\mu_{23}\mu_{42} - 2\mu_{02}\mu_{12}\mu_{31}\mu_{14}\mu_{51}$$
$$+\mu_{02}\mu_{12}\mu_{22}\mu_{50}\mu_{24} + 2\mu_{02}\mu_{12}\mu_{22}\mu_{41}\mu_{33} - 6\mu_{02}\mu_{12}\mu_{22}\mu_{32}\mu_{42}$$
$$+2\mu_{02}\mu_{12}\mu_{22}\mu_{23}\mu_{51} + \mu_{02}\mu_{12}\mu_{22}\mu_{14}\mu_{60} - 2\mu_{02}\mu_{12}\mu_{13}\mu_{50}\mu_{33}$$
$$+2\mu_{02}\mu_{12}\mu_{13}\mu_{41}\mu_{42} + 2\mu_{02}\mu_{12}\mu_{13}\mu_{32}\mu_{51} - 2\mu_{02}\mu_{12}\mu_{13}\mu_{23}\mu_{60}$$
$$+\mu_{02}\mu_{12}\mu_{04}\mu_{50}\mu_{42} - 2\mu_{02}\mu_{12}\mu_{04}\mu_{41}\mu_{51} + \mu_{02}\mu_{12}\mu_{04}\mu_{32}\mu_{60})/\mu_{00}^{15}$$

weight=10

structure: 1,1,1,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 |



$$
\begin{aligned}
I_{201} \;=\; & (-\mu_{20}\mu_{30}\mu_{31}\mu_{23}\mu_{06} + 2\mu_{20}\mu_{30}\mu_{31}\mu_{14}\mu_{15} - \mu_{20}\mu_{30}\mu_{31}\mu_{05}\mu_{24} \\
& +3\mu_{20}\mu_{30}\mu_{22}\mu_{32}\mu_{06} - 6\mu_{20}\mu_{30}\mu_{22}\mu_{23}\mu_{15} + 3\mu_{20}\mu_{30}\mu_{22}\mu_{14}\mu_{24} \\
& -3\mu_{20}\mu_{30}\mu_{13}\mu_{41}\mu_{06} + 6\mu_{20}\mu_{30}\mu_{13}\mu_{32}\mu_{15} - 3\mu_{20}\mu_{30}\mu_{13}\mu_{23}\mu_{24} \\
& +\mu_{20}\mu_{30}\mu_{04}\mu_{50}\mu_{06} - 2\mu_{20}\mu_{30}\mu_{04}\mu_{41}\mu_{15} + \mu_{20}\mu_{30}\mu_{04}\mu_{32}\mu_{24} \\
& +\mu_{20}\mu_{21}\mu_{40}\mu_{23}\mu_{06} - 2\mu_{20}\mu_{21}\mu_{40}\mu_{14}\mu_{15} + \mu_{20}\mu_{21}\mu_{40}\mu_{05}\mu_{24} \\
& -3\mu_{20}\mu_{21}\mu_{31}\mu_{32}\mu_{06} + 8\mu_{20}\mu_{21}\mu_{31}\mu_{23}\mu_{15} - 7\mu_{20}\mu_{21}\mu_{31}\mu_{14}\mu_{24} \\
& +2\mu_{20}\mu_{21}\mu_{31}\mu_{05}\mu_{33} + 3\mu_{20}\mu_{21}\mu_{22}\mu_{41}\mu_{06} - 12\mu_{20}\mu_{21}\mu_{22}\mu_{32}\mu_{15} \\
& +15\mu_{20}\mu_{21}\mu_{22}\mu_{23}\mu_{24} - 6\mu_{20}\mu_{21}\mu_{22}\mu_{14}\mu_{33} - \mu_{20}\mu_{21}\mu_{13}\mu_{50}\mu_{06} \\
& +8\mu_{20}\mu_{21}\mu_{13}\mu_{41}\mu_{15} - 13\mu_{20}\mu_{21}\mu_{13}\mu_{32}\mu_{24} + 6\mu_{20}\mu_{21}\mu_{13}\mu_{23}\mu_{33} \\
& -2\mu_{20}\mu_{21}\mu_{04}\mu_{50}\mu_{15} + 4\mu_{20}\mu_{21}\mu_{04}\mu_{41}\mu_{24} - 2\mu_{20}\mu_{21}\mu_{04}\mu_{32}\mu_{33} \\
& -2\mu_{20}\mu_{12}\mu_{40}\mu_{23}\mu_{15} + 4\mu_{20}\mu_{12}\mu_{40}\mu_{14}\mu_{24} - 2\mu_{20}\mu_{12}\mu_{40}\mu_{05}\mu_{33} \\
& +6\mu_{20}\mu_{12}\mu_{31}\mu_{32}\mu_{15} - 13\mu_{20}\mu_{12}\mu_{31}\mu_{23}\mu_{24} + 8\mu_{20}\mu_{12}\mu_{31}\mu_{14}\mu_{33} \\
& -\mu_{20}\mu_{12}\mu_{31}\mu_{05}\mu_{42} - 6\mu_{20}\mu_{12}\mu_{22}\mu_{41}\mu_{15} + 15\mu_{20}\mu_{12}\mu_{22}\mu_{32}\mu_{24} \\
& -12\mu_{20}\mu_{12}\mu_{22}\mu_{23}\mu_{33} + 3\mu_{20}\mu_{12}\mu_{22}\mu_{14}\mu_{42} + 2\mu_{20}\mu_{12}\mu_{13}\mu_{50}\mu_{15} \\
& -7\mu_{20}\mu_{12}\mu_{13}\mu_{41}\mu_{24} + 8\mu_{20}\mu_{12}\mu_{13}\mu_{32}\mu_{33} - 3\mu_{20}\mu_{12}\mu_{13}\mu_{23}\mu_{42} \\
& +\mu_{20}\mu_{12}\mu_{04}\mu_{50}\mu_{24} - 2\mu_{20}\mu_{12}\mu_{04}\mu_{41}\mu_{33} + \mu_{20}\mu_{12}\mu_{04}\mu_{32}\mu_{42} \\
& +\mu_{20}\mu_{03}\mu_{40}\mu_{23}\mu_{24} - 2\mu_{20}\mu_{03}\mu_{40}\mu_{14}\mu_{33} + \mu_{20}\mu_{03}\mu_{40}\mu_{05}\mu_{42} \\
& -3\mu_{20}\mu_{03}\mu_{31}\mu_{32}\mu_{24} + 6\mu_{20}\mu_{03}\mu_{31}\mu_{23}\mu_{33} - 3\mu_{20}\mu_{03}\mu_{31}\mu_{14}\mu_{42} \\
& +3\mu_{20}\mu_{03}\mu_{22}\mu_{41}\mu_{24} - 6\mu_{20}\mu_{03}\mu_{22}\mu_{32}\mu_{33} + 3\mu_{20}\mu_{03}\mu_{22}\mu_{23}\mu_{42} \\
& -\mu_{20}\mu_{03}\mu_{13}\mu_{50}\mu_{24} + 2\mu_{20}\mu_{03}\mu_{13}\mu_{41}\mu_{33} - \mu_{20}\mu_{03}\mu_{13}\mu_{32}\mu_{42} \\
& +2\mu_{11}\mu_{30}\mu_{31}\mu_{23}\mu_{15} - 4\mu_{11}\mu_{30}\mu_{31}\mu_{14}\mu_{24} + 2\mu_{11}\mu_{30}\mu_{31}\mu_{05}\mu_{33} \\
& -6\mu_{11}\mu_{30}\mu_{22}\mu_{32}\mu_{15} + 12\mu_{11}\mu_{30}\mu_{22}\mu_{23}\mu_{24} - 6\mu_{11}\mu_{30}\mu_{22}\mu_{14}\mu_{33} \\
& +6\mu_{11}\mu_{30}\mu_{13}\mu_{41}\mu_{15} - 12\mu_{11}\mu_{30}\mu_{13}\mu_{32}\mu_{24} + 6\mu_{11}\mu_{30}\mu_{13}\mu_{23}\mu_{33} \\
& -2\mu_{11}\mu_{30}\mu_{04}\mu_{50}\mu_{15} + 4\mu_{11}\mu_{30}\mu_{04}\mu_{41}\mu_{24} - 2\mu_{11}\mu_{30}\mu_{04}\mu_{32}\mu_{33} \\
& -2\mu_{11}\mu_{21}\mu_{40}\mu_{23}\mu_{15} + 4\mu_{11}\mu_{21}\mu_{40}\mu_{14}\mu_{24} - 2\mu_{11}\mu_{21}\mu_{40}\mu_{05}\mu_{33} \\
& +6\mu_{11}\mu_{21}\mu_{31}\mu_{32}\mu_{15} - 16\mu_{11}\mu_{21}\mu_{31}\mu_{23}\mu_{24} + 14\mu_{11}\mu_{21}\mu_{31}\mu_{14}\mu_{33} \\
& -4\mu_{11}\mu_{21}\mu_{31}\mu_{05}\mu_{42} - 6\mu_{11}\mu_{21}\mu_{22}\mu_{41}\mu_{15} + 24\mu_{11}\mu_{21}\mu_{22}\mu_{32}\mu_{24} \\
& -30\mu_{11}\mu_{21}\mu_{22}\mu_{23}\mu_{33} + 12\mu_{11}\mu_{21}\mu_{22}\mu_{14}\mu_{42} + 2\mu_{11}\mu_{21}\mu_{13}\mu_{50}\mu_{15} \\
& -16\mu_{11}\mu_{21}\mu_{13}\mu_{41}\mu_{24} + 26\mu_{11}\mu_{21}\mu_{13}\mu_{32}\mu_{33} - 12\mu_{11}\mu_{21}\mu_{13}\mu_{23}\mu_{42} \\
& +4\mu_{11}\mu_{21}\mu_{04}\mu_{50}\mu_{24} - 8\mu_{11}\mu_{21}\mu_{04}\mu_{41}\mu_{33} + 4\mu_{11}\mu_{21}\mu_{04}\mu_{32}\mu_{42} \\
& +4\mu_{11}\mu_{12}\mu_{40}\mu_{23}\mu_{24} - 8\mu_{11}\mu_{12}\mu_{40}\mu_{14}\mu_{33} + 4\mu_{11}\mu_{12}\mu_{40}\mu_{05}\mu_{42} \\
& -12\mu_{11}\mu_{12}\mu_{31}\mu_{32}\mu_{24} + 26\mu_{11}\mu_{12}\mu_{31}\mu_{23}\mu_{33} - 16\mu_{11}\mu_{12}\mu_{31}\mu_{14}\mu_{42} \\
& +2\mu_{11}\mu_{12}\mu_{31}\mu_{05}\mu_{51} + 12\mu_{11}\mu_{12}\mu_{22}\mu_{41}\mu_{24} - 30\mu_{11}\mu_{12}\mu_{22}\mu_{32}\mu_{33} \\
& +24\mu_{11}\mu_{12}\mu_{22}\mu_{23}\mu_{42} - 6\mu_{11}\mu_{12}\mu_{22}\mu_{14}\mu_{51} - 4\mu_{11}\mu_{12}\mu_{13}\mu_{50}\mu_{24} \\
& +14\mu_{11}\mu_{12}\mu_{13}\mu_{41}\mu_{33} - 16\mu_{11}\mu_{12}\mu_{13}\mu_{32}\mu_{42} + 6\mu_{11}\mu_{12}\mu_{13}\mu_{23}\mu_{51} \\
& -2\mu_{11}\mu_{12}\mu_{04}\mu_{50}\mu_{33} + 4\mu_{11}\mu_{12}\mu_{04}\mu_{41}\mu_{42} - 2\mu_{11}\mu_{12}\mu_{04}\mu_{32}\mu_{51} \\
& -2\mu_{11}\mu_{03}\mu_{40}\mu_{23}\mu_{33} + 4\mu_{11}\mu_{03}\mu_{40}\mu_{14}\mu_{42} - 2\mu_{11}\mu_{03}\mu_{40}\mu_{05}\mu_{51} \\
& +6\mu_{11}\mu_{03}\mu_{31}\mu_{32}\mu_{33} - 12\mu_{11}\mu_{03}\mu_{31}\mu_{23}\mu_{42} + 6\mu_{11}\mu_{03}\mu_{31}\mu_{14}\mu_{51} \\
& -6\mu_{11}\mu_{03}\mu_{22}\mu_{41}\mu_{33} + 12\mu_{11}\mu_{03}\mu_{22}\mu_{32}\mu_{42} - 6\mu_{11}\mu_{03}\mu_{22}\mu_{23}\mu_{51} \\
& +2\mu_{11}\mu_{03}\mu_{13}\mu_{50}\mu_{33} - 4\mu_{11}\mu_{03}\mu_{13}\mu_{41}\mu_{42} + 2\mu_{11}\mu_{03}\mu_{13}\mu_{32}\mu_{51} \\
& -\mu_{02}\mu_{30}\mu_{31}\mu_{23}\mu_{24} + 2\mu_{02}\mu_{30}\mu_{31}\mu_{14}\mu_{33} - \mu_{02}\mu_{30}\mu_{31}\mu_{05}\mu_{42} \\
& +3\mu_{02}\mu_{30}\mu_{22}\mu_{32}\mu_{24} - 6\mu_{02}\mu_{30}\mu_{22}\mu_{23}\mu_{33} + 3\mu_{02}\mu_{30}\mu_{22}\mu_{14}\mu_{42} \\
& -3\mu_{02}\mu_{30}\mu_{13}\mu_{41}\mu_{24} + 6\mu_{02}\mu_{30}\mu_{13}\mu_{32}\mu_{33} - 3\mu_{02}\mu_{30}\mu_{13}\mu_{23}\mu_{42} \\
& +\mu_{02}\mu_{30}\mu_{04}\mu_{50}\mu_{24} - 2\mu_{02}\mu_{30}\mu_{04}\mu_{41}\mu_{33} + \mu_{02}\mu_{30}\mu_{04}\mu_{32}\mu_{42} \\
& +\mu_{02}\mu_{21}\mu_{40}\mu_{23}\mu_{24} - 2\mu_{02}\mu_{21}\mu_{40}\mu_{14}\mu_{33} + \mu_{02}\mu_{21}\mu_{40}\mu_{05}\mu_{42} \\
& -3\mu_{02}\mu_{21}\mu_{31}\mu_{32}\mu_{24} + 8\mu_{02}\mu_{21}\mu_{31}\mu_{23}\mu_{33} - 7\mu_{02}\mu_{21}\mu_{31}\mu_{14}\mu_{42}
\end{aligned}
$$

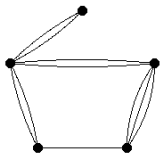
$$+2\mu_{02}\mu_{21}\mu_{31}\mu_{05}\mu_{51}+3\mu_{02}\mu_{21}\mu_{22}\mu_{41}\mu_{24}-12\mu_{02}\mu_{21}\mu_{22}\mu_{32}\mu_{33}$$
$$+15\mu_{02}\mu_{21}\mu_{22}\mu_{23}\mu_{42}-6\mu_{02}\mu_{21}\mu_{22}\mu_{14}\mu_{51}-\mu_{02}\mu_{21}\mu_{13}\mu_{50}\mu_{24}$$
$$+8\mu_{02}\mu_{21}\mu_{13}\mu_{41}\mu_{33}-13\mu_{02}\mu_{21}\mu_{13}\mu_{32}\mu_{42}+6\mu_{02}\mu_{21}\mu_{13}\mu_{23}\mu_{51}$$
$$-2\mu_{02}\mu_{21}\mu_{04}\mu_{50}\mu_{33}+4\mu_{02}\mu_{21}\mu_{04}\mu_{41}\mu_{42}-2\mu_{02}\mu_{21}\mu_{04}\mu_{32}\mu_{51}$$
$$-2\mu_{02}\mu_{12}\mu_{40}\mu_{23}\mu_{33}+4\mu_{02}\mu_{12}\mu_{40}\mu_{14}\mu_{42}-2\mu_{02}\mu_{12}\mu_{40}\mu_{05}\mu_{51}$$
$$+6\mu_{02}\mu_{12}\mu_{31}\mu_{32}\mu_{33}-13\mu_{02}\mu_{12}\mu_{31}\mu_{23}\mu_{42}+8\mu_{02}\mu_{12}\mu_{31}\mu_{14}\mu_{51}$$
$$-\mu_{02}\mu_{12}\mu_{31}\mu_{05}\mu_{60}-6\mu_{02}\mu_{12}\mu_{22}\mu_{41}\mu_{33}+15\mu_{02}\mu_{12}\mu_{22}\mu_{32}\mu_{42}$$
$$-12\mu_{02}\mu_{12}\mu_{22}\mu_{23}\mu_{51}+3\mu_{02}\mu_{12}\mu_{22}\mu_{14}\mu_{60}+2\mu_{02}\mu_{12}\mu_{13}\mu_{50}\mu_{33}$$
$$-7\mu_{02}\mu_{12}\mu_{13}\mu_{41}\mu_{42}+8\mu_{02}\mu_{12}\mu_{13}\mu_{32}\mu_{51}-3\mu_{02}\mu_{12}\mu_{13}\mu_{23}\mu_{60}$$
$$+\mu_{02}\mu_{12}\mu_{04}\mu_{50}\mu_{42}-2\mu_{02}\mu_{12}\mu_{04}\mu_{41}\mu_{51}+\mu_{02}\mu_{12}\mu_{04}\mu_{32}\mu_{60}$$
$$+\mu_{02}\mu_{03}\mu_{40}\mu_{23}\mu_{42}-2\mu_{02}\mu_{03}\mu_{40}\mu_{14}\mu_{51}+\mu_{02}\mu_{03}\mu_{40}\mu_{05}\mu_{60}$$
$$-3\mu_{02}\mu_{03}\mu_{31}\mu_{32}\mu_{42}+6\mu_{02}\mu_{03}\mu_{31}\mu_{23}\mu_{51}-3\mu_{02}\mu_{03}\mu_{31}\mu_{14}\mu_{60}$$
$$+3\mu_{02}\mu_{03}\mu_{22}\mu_{41}\mu_{42}-6\mu_{02}\mu_{03}\mu_{22}\mu_{32}\mu_{51}+3\mu_{02}\mu_{03}\mu_{22}\mu_{23}\mu_{60}$$
$$-\mu_{02}\mu_{03}\mu_{13}\mu_{50}\mu_{42}+2\mu_{02}\mu_{03}\mu_{13}\mu_{41}\mu_{51}-\mu_{02}\mu_{03}\mu_{13}\mu_{32}\mu_{60})/\mu_{00}^{15}$$

weight=10

structure: 1,1,1,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 5 |



$$
\begin{aligned}
I_{202} \;=\; & (-\mu_{20}\mu_{30}\mu_{31}\mu_{23}\mu_{06} + 2\mu_{20}\mu_{30}\mu_{31}\mu_{14}\mu_{15} - \mu_{20}\mu_{30}\mu_{31}\mu_{05}\mu_{24} \\
& +3\mu_{20}\mu_{30}\mu_{22}\mu_{32}\mu_{06} - 6\mu_{20}\mu_{30}\mu_{22}\mu_{23}\mu_{15} + 3\mu_{20}\mu_{30}\mu_{22}\mu_{14}\mu_{24} \\
& -3\mu_{20}\mu_{30}\mu_{13}\mu_{41}\mu_{06} + 6\mu_{20}\mu_{30}\mu_{13}\mu_{32}\mu_{15} - 3\mu_{20}\mu_{30}\mu_{13}\mu_{23}\mu_{24} \\
& +\mu_{20}\mu_{30}\mu_{04}\mu_{50}\mu_{06} - 2\mu_{20}\mu_{30}\mu_{04}\mu_{41}\mu_{15} + \mu_{20}\mu_{30}\mu_{04}\mu_{32}\mu_{24} \\
& +3\mu_{20}\mu_{21}\mu_{31}\mu_{23}\mu_{15} - 6\mu_{20}\mu_{21}\mu_{31}\mu_{14}\mu_{24} + 3\mu_{20}\mu_{21}\mu_{31}\mu_{05}\mu_{33} \\
& -9\mu_{20}\mu_{21}\mu_{22}\mu_{32}\mu_{15} + 18\mu_{20}\mu_{21}\mu_{22}\mu_{23}\mu_{24} - 9\mu_{20}\mu_{21}\mu_{22}\mu_{14}\mu_{33} \\
& +9\mu_{20}\mu_{21}\mu_{13}\mu_{41}\mu_{15} - 18\mu_{20}\mu_{21}\mu_{13}\mu_{32}\mu_{24} + 9\mu_{20}\mu_{21}\mu_{13}\mu_{23}\mu_{33} \\
& -3\mu_{20}\mu_{21}\mu_{04}\mu_{50}\mu_{15} + 6\mu_{20}\mu_{21}\mu_{04}\mu_{41}\mu_{24} - 3\mu_{20}\mu_{21}\mu_{04}\mu_{32}\mu_{33} \\
& -3\mu_{20}\mu_{12}\mu_{31}\mu_{23}\mu_{24} + 6\mu_{20}\mu_{12}\mu_{31}\mu_{14}\mu_{33} - 3\mu_{20}\mu_{12}\mu_{31}\mu_{05}\mu_{42} \\
& +9\mu_{20}\mu_{12}\mu_{22}\mu_{32}\mu_{24} - 18\mu_{20}\mu_{12}\mu_{22}\mu_{23}\mu_{33} + 9\mu_{20}\mu_{12}\mu_{22}\mu_{14}\mu_{42} \\
& -9\mu_{20}\mu_{12}\mu_{13}\mu_{41}\mu_{24} + 18\mu_{20}\mu_{12}\mu_{13}\mu_{32}\mu_{33} - 9\mu_{20}\mu_{12}\mu_{13}\mu_{23}\mu_{42} \\
& +3\mu_{20}\mu_{12}\mu_{04}\mu_{50}\mu_{24} - 6\mu_{20}\mu_{12}\mu_{04}\mu_{41}\mu_{33} + 3\mu_{20}\mu_{12}\mu_{04}\mu_{32}\mu_{42} \\
& +\mu_{20}\mu_{03}\mu_{31}\mu_{23}\mu_{33} - 2\mu_{20}\mu_{03}\mu_{31}\mu_{14}\mu_{42} + \mu_{20}\mu_{03}\mu_{31}\mu_{05}\mu_{51} \\
& -3\mu_{20}\mu_{03}\mu_{22}\mu_{32}\mu_{33} + 6\mu_{20}\mu_{03}\mu_{22}\mu_{23}\mu_{42} - 3\mu_{20}\mu_{03}\mu_{22}\mu_{14}\mu_{51} \\
& +3\mu_{20}\mu_{03}\mu_{13}\mu_{41}\mu_{33} - 6\mu_{20}\mu_{03}\mu_{13}\mu_{32}\mu_{42} + 3\mu_{20}\mu_{03}\mu_{13}\mu_{23}\mu_{51} \\
& -\mu_{20}\mu_{03}\mu_{04}\mu_{50}\mu_{33} + 2\mu_{20}\mu_{03}\mu_{04}\mu_{41}\mu_{42} - \mu_{20}\mu_{03}\mu_{04}\mu_{32}\mu_{51} \\
& +\mu_{11}\mu_{30}\mu_{40}\mu_{23}\mu_{06} - 2\mu_{11}\mu_{30}\mu_{40}\mu_{14}\mu_{15} + \mu_{11}\mu_{30}\mu_{40}\mu_{05}\mu_{24} \\
& -3\mu_{11}\mu_{30}\mu_{31}\mu_{32}\mu_{06} + 7\mu_{11}\mu_{30}\mu_{31}\mu_{23}\mu_{15} - 5\mu_{11}\mu_{30}\mu_{31}\mu_{14}\mu_{24} \\
& +\mu_{11}\mu_{30}\mu_{31}\mu_{05}\mu_{33} + 3\mu_{11}\mu_{30}\mu_{22}\mu_{41}\mu_{06} - 9\mu_{11}\mu_{30}\mu_{22}\mu_{32}\mu_{15} \\
& +9\mu_{11}\mu_{30}\mu_{22}\mu_{23}\mu_{24} - 3\mu_{11}\mu_{30}\mu_{22}\mu_{14}\mu_{33} - \mu_{11}\mu_{30}\mu_{13}\mu_{50}\mu_{06} \\
& +5\mu_{11}\mu_{30}\mu_{13}\mu_{41}\mu_{15} - 7\mu_{11}\mu_{30}\mu_{13}\mu_{32}\mu_{24} + 3\mu_{11}\mu_{30}\mu_{13}\mu_{23}\mu_{33} \\
& -\mu_{11}\mu_{30}\mu_{04}\mu_{50}\mu_{15} + 2\mu_{11}\mu_{30}\mu_{04}\mu_{41}\mu_{24} - \mu_{11}\mu_{30}\mu_{04}\mu_{32}\mu_{33} \\
& -3\mu_{11}\mu_{21}\mu_{40}\mu_{23}\mu_{15} + 6\mu_{11}\mu_{21}\mu_{40}\mu_{14}\mu_{24} - 3\mu_{11}\mu_{21}\mu_{40}\mu_{05}\mu_{33} \\
& +9\mu_{11}\mu_{21}\mu_{31}\mu_{32}\mu_{15} - 21\mu_{11}\mu_{21}\mu_{31}\mu_{23}\mu_{24} + 15\mu_{11}\mu_{21}\mu_{31}\mu_{14}\mu_{33} \\
& -3\mu_{11}\mu_{21}\mu_{31}\mu_{05}\mu_{42} - 9\mu_{11}\mu_{21}\mu_{22}\mu_{41}\mu_{15} + 27\mu_{11}\mu_{21}\mu_{22}\mu_{32}\mu_{24} \\
& -27\mu_{11}\mu_{21}\mu_{22}\mu_{23}\mu_{33} + 9\mu_{11}\mu_{21}\mu_{22}\mu_{14}\mu_{42} + 3\mu_{11}\mu_{21}\mu_{13}\mu_{50}\mu_{15} \\
& -15\mu_{11}\mu_{21}\mu_{13}\mu_{41}\mu_{24} + 21\mu_{11}\mu_{21}\mu_{13}\mu_{32}\mu_{33} - 9\mu_{11}\mu_{21}\mu_{13}\mu_{23}\mu_{42} \\
& +3\mu_{11}\mu_{21}\mu_{04}\mu_{50}\mu_{24} - 6\mu_{11}\mu_{21}\mu_{04}\mu_{41}\mu_{33} + 3\mu_{11}\mu_{21}\mu_{04}\mu_{32}\mu_{42} \\
& +3\mu_{11}\mu_{12}\mu_{40}\mu_{23}\mu_{24} - 6\mu_{11}\mu_{12}\mu_{40}\mu_{14}\mu_{33} + 3\mu_{11}\mu_{12}\mu_{40}\mu_{05}\mu_{42} \\
& -9\mu_{11}\mu_{12}\mu_{31}\mu_{32}\mu_{24} + 21\mu_{11}\mu_{12}\mu_{31}\mu_{23}\mu_{33} - 15\mu_{11}\mu_{12}\mu_{31}\mu_{14}\mu_{42} \\
& +3\mu_{11}\mu_{12}\mu_{31}\mu_{05}\mu_{51} + 9\mu_{11}\mu_{12}\mu_{22}\mu_{41}\mu_{24} - 27\mu_{11}\mu_{12}\mu_{22}\mu_{32}\mu_{33} \\
& +27\mu_{11}\mu_{12}\mu_{22}\mu_{23}\mu_{42} - 9\mu_{11}\mu_{12}\mu_{22}\mu_{14}\mu_{51} - 3\mu_{11}\mu_{12}\mu_{13}\mu_{50}\mu_{24} \\
& +15\mu_{11}\mu_{12}\mu_{13}\mu_{41}\mu_{33} - 21\mu_{11}\mu_{12}\mu_{13}\mu_{32}\mu_{42} + 9\mu_{11}\mu_{12}\mu_{13}\mu_{23}\mu_{51} \\
& -3\mu_{11}\mu_{12}\mu_{04}\mu_{50}\mu_{33} + 6\mu_{11}\mu_{12}\mu_{04}\mu_{41}\mu_{42} - 3\mu_{11}\mu_{12}\mu_{04}\mu_{32}\mu_{51} \\
& -\mu_{11}\mu_{03}\mu_{40}\mu_{23}\mu_{33} + 2\mu_{11}\mu_{03}\mu_{40}\mu_{14}\mu_{42} - \mu_{11}\mu_{03}\mu_{40}\mu_{05}\mu_{51} \\
& +3\mu_{11}\mu_{03}\mu_{31}\mu_{32}\mu_{33} - 7\mu_{11}\mu_{03}\mu_{31}\mu_{23}\mu_{42} + 5\mu_{11}\mu_{03}\mu_{31}\mu_{14}\mu_{51} \\
& -\mu_{11}\mu_{03}\mu_{31}\mu_{05}\mu_{60} - 3\mu_{11}\mu_{03}\mu_{22}\mu_{41}\mu_{33} + 9\mu_{11}\mu_{03}\mu_{22}\mu_{32}\mu_{42} \\
& -9\mu_{11}\mu_{03}\mu_{22}\mu_{23}\mu_{51} + 3\mu_{11}\mu_{03}\mu_{22}\mu_{14}\mu_{60} + \mu_{11}\mu_{03}\mu_{13}\mu_{50}\mu_{33} \\
& -5\mu_{11}\mu_{03}\mu_{13}\mu_{41}\mu_{42} + 7\mu_{11}\mu_{03}\mu_{13}\mu_{32}\mu_{51} - 3\mu_{11}\mu_{03}\mu_{13}\mu_{23}\mu_{60} \\
& +\mu_{11}\mu_{03}\mu_{04}\mu_{50}\mu_{42} - 2\mu_{11}\mu_{03}\mu_{04}\mu_{41}\mu_{51} + \mu_{11}\mu_{03}\mu_{04}\mu_{32}\mu_{60} \\
& -\mu_{02}\mu_{30}\mu_{40}\mu_{23}\mu_{15} + 2\mu_{02}\mu_{30}\mu_{40}\mu_{14}\mu_{24} - \mu_{02}\mu_{30}\mu_{40}\mu_{05}\mu_{33} \\
& +3\mu_{02}\mu_{30}\mu_{31}\mu_{32}\mu_{15} - 6\mu_{02}\mu_{30}\mu_{31}\mu_{23}\mu_{24} + 3\mu_{02}\mu_{30}\mu_{31}\mu_{14}\mu_{33} \\
& -3\mu_{02}\mu_{30}\mu_{22}\mu_{41}\mu_{15} + 6\mu_{02}\mu_{30}\mu_{22}\mu_{32}\mu_{24} - 3\mu_{02}\mu_{30}\mu_{22}\mu_{23}\mu_{33} \\
& +\mu_{02}\mu_{30}\mu_{13}\mu_{50}\mu_{15} - 2\mu_{02}\mu_{30}\mu_{13}\mu_{41}\mu_{24} + \mu_{02}\mu_{30}\mu_{13}\mu_{32}\mu_{33} \\
& +3\mu_{02}\mu_{21}\mu_{40}\mu_{23}\mu_{24} - 6\mu_{02}\mu_{21}\mu_{40}\mu_{14}\mu_{33} + 3\mu_{02}\mu_{21}\mu_{40}\mu_{05}\mu_{42} \\
& -9\mu_{02}\mu_{21}\mu_{31}\mu_{32}\mu_{24} + 18\mu_{02}\mu_{21}\mu_{31}\mu_{23}\mu_{33} - 9\mu_{02}\mu_{21}\mu_{31}\mu_{14}\mu_{42}
\end{aligned}
$$

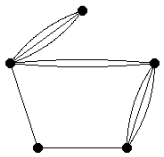
$$+9\mu_{02}\mu_{21}\mu_{22}\mu_{41}\mu_{24} - 18\mu_{02}\mu_{21}\mu_{22}\mu_{32}\mu_{33} + 9\mu_{02}\mu_{21}\mu_{22}\mu_{23}\mu_{42}$$
$$-3\mu_{02}\mu_{21}\mu_{13}\mu_{50}\mu_{24} + 6\mu_{02}\mu_{21}\mu_{13}\mu_{41}\mu_{33} - 3\mu_{02}\mu_{21}\mu_{13}\mu_{32}\mu_{42}$$
$$-3\mu_{02}\mu_{12}\mu_{40}\mu_{23}\mu_{33} + 6\mu_{02}\mu_{12}\mu_{40}\mu_{14}\mu_{42} - 3\mu_{02}\mu_{12}\mu_{40}\mu_{05}\mu_{51}$$
$$+9\mu_{02}\mu_{12}\mu_{31}\mu_{32}\mu_{33} - 18\mu_{02}\mu_{12}\mu_{31}\mu_{23}\mu_{42} + 9\mu_{02}\mu_{12}\mu_{31}\mu_{14}\mu_{51}$$
$$-9\mu_{02}\mu_{12}\mu_{22}\mu_{41}\mu_{33} + 18\mu_{02}\mu_{12}\mu_{22}\mu_{32}\mu_{42} - 9\mu_{02}\mu_{12}\mu_{22}\mu_{23}\mu_{51}$$
$$+3\mu_{02}\mu_{12}\mu_{13}\mu_{50}\mu_{33} - 6\mu_{02}\mu_{12}\mu_{13}\mu_{41}\mu_{42} + 3\mu_{02}\mu_{12}\mu_{13}\mu_{32}\mu_{51}$$
$$+\mu_{02}\mu_{03}\mu_{40}\mu_{23}\mu_{42} - 2\mu_{02}\mu_{03}\mu_{40}\mu_{14}\mu_{51} + \mu_{02}\mu_{03}\mu_{40}\mu_{05}\mu_{60}$$
$$-3\mu_{02}\mu_{03}\mu_{31}\mu_{32}\mu_{42} + 6\mu_{02}\mu_{03}\mu_{31}\mu_{23}\mu_{51} - 3\mu_{02}\mu_{03}\mu_{31}\mu_{14}\mu_{60}$$
$$+3\mu_{02}\mu_{03}\mu_{22}\mu_{41}\mu_{42} - 6\mu_{02}\mu_{03}\mu_{22}\mu_{32}\mu_{51} + 3\mu_{02}\mu_{03}\mu_{22}\mu_{23}\mu_{60}$$
$$-\mu_{02}\mu_{03}\mu_{13}\mu_{50}\mu_{42} + 2\mu_{02}\mu_{03}\mu_{13}\mu_{41}\mu_{51} - \mu_{02}\mu_{03}\mu_{13}\mu_{32}\mu_{60})/\mu_{00}^{15}$$

weight=10

structure: 1,1,1,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 2 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |



$$
\begin{aligned}
I_{203} \;=\; & (\mu_{20}\mu_{30}\mu_{13}\mu_{41}\mu_{06} - 4\mu_{20}\mu_{30}\mu_{13}\mu_{32}\mu_{15} + 6\mu_{20}\mu_{30}\mu_{13}\mu_{23}\mu_{24} \\
& -4\mu_{20}\mu_{30}\mu_{13}\mu_{14}\mu_{33} + \mu_{20}\mu_{30}\mu_{13}\mu_{05}\mu_{42} - \mu_{20}\mu_{30}\mu_{04}\mu_{41}\mu_{15} \\
& +4\mu_{20}\mu_{30}\mu_{04}\mu_{32}\mu_{24} - 6\mu_{20}\mu_{30}\mu_{04}\mu_{23}\mu_{33} + 4\mu_{20}\mu_{30}\mu_{04}\mu_{14}\mu_{42} \\
& -\mu_{20}\mu_{30}\mu_{04}\mu_{05}\mu_{51} - 2\mu_{20}\mu_{21}\mu_{22}\mu_{41}\mu_{06} + 8\mu_{20}\mu_{21}\mu_{22}\mu_{32}\mu_{15} \\
& -12\mu_{20}\mu_{21}\mu_{22}\mu_{23}\mu_{24} + 8\mu_{20}\mu_{21}\mu_{22}\mu_{14}\mu_{33} - 2\mu_{20}\mu_{21}\mu_{22}\mu_{05}\mu_{42} \\
& +\mu_{20}\mu_{21}\mu_{13}\mu_{41}\mu_{15} - 4\mu_{20}\mu_{21}\mu_{13}\mu_{32}\mu_{24} + 6\mu_{20}\mu_{21}\mu_{13}\mu_{23}\mu_{33} \\
& -4\mu_{20}\mu_{21}\mu_{13}\mu_{14}\mu_{42} + \mu_{20}\mu_{21}\mu_{13}\mu_{05}\mu_{51} + \mu_{20}\mu_{21}\mu_{04}\mu_{41}\mu_{24} \\
& -4\mu_{20}\mu_{21}\mu_{04}\mu_{32}\mu_{33} + 6\mu_{20}\mu_{21}\mu_{04}\mu_{23}\mu_{42} - 4\mu_{20}\mu_{21}\mu_{04}\mu_{14}\mu_{51} \\
& +\mu_{20}\mu_{21}\mu_{04}\mu_{05}\mu_{60} + \mu_{20}\mu_{12}\mu_{31}\mu_{41}\mu_{06} - 4\mu_{20}\mu_{12}\mu_{31}\mu_{32}\mu_{15} \\
& +6\mu_{20}\mu_{12}\mu_{31}\mu_{23}\mu_{24} - 4\mu_{20}\mu_{12}\mu_{31}\mu_{14}\mu_{33} + \mu_{20}\mu_{12}\mu_{31}\mu_{05}\mu_{42} \\
& +\mu_{20}\mu_{12}\mu_{22}\mu_{41}\mu_{15} - 4\mu_{20}\mu_{12}\mu_{22}\mu_{32}\mu_{24} + 6\mu_{20}\mu_{12}\mu_{22}\mu_{23}\mu_{33} \\
& -4\mu_{20}\mu_{12}\mu_{22}\mu_{14}\mu_{42} + \mu_{20}\mu_{12}\mu_{22}\mu_{05}\mu_{51} - 2\mu_{20}\mu_{12}\mu_{13}\mu_{41}\mu_{24} \\
& +8\mu_{20}\mu_{12}\mu_{13}\mu_{32}\mu_{33} - 12\mu_{20}\mu_{12}\mu_{13}\mu_{23}\mu_{42} + 8\mu_{20}\mu_{12}\mu_{13}\mu_{14}\mu_{51} \\
& -2\mu_{20}\mu_{12}\mu_{13}\mu_{05}\mu_{60} - \mu_{20}\mu_{03}\mu_{31}\mu_{41}\mu_{15} + 4\mu_{20}\mu_{03}\mu_{31}\mu_{32}\mu_{24} \\
& -6\mu_{20}\mu_{03}\mu_{31}\mu_{23}\mu_{33} + 4\mu_{20}\mu_{03}\mu_{31}\mu_{14}\mu_{42} - \mu_{20}\mu_{03}\mu_{31}\mu_{05}\mu_{51} \\
& +\mu_{20}\mu_{03}\mu_{22}\mu_{41}\mu_{24} - 4\mu_{20}\mu_{03}\mu_{22}\mu_{32}\mu_{33} + 6\mu_{20}\mu_{03}\mu_{22}\mu_{23}\mu_{42} \\
& -4\mu_{20}\mu_{03}\mu_{22}\mu_{14}\mu_{51} + \mu_{20}\mu_{03}\mu_{22}\mu_{05}\mu_{60} - \mu_{11}\mu_{30}\mu_{22}\mu_{41}\mu_{06} \\
& +4\mu_{11}\mu_{30}\mu_{22}\mu_{32}\mu_{15} - 6\mu_{11}\mu_{30}\mu_{22}\mu_{23}\mu_{24} + 4\mu_{11}\mu_{30}\mu_{22}\mu_{14}\mu_{33} \\
& -\mu_{11}\mu_{30}\mu_{22}\mu_{05}\mu_{42} - \mu_{11}\mu_{30}\mu_{13}\mu_{50}\mu_{06} + 5\mu_{11}\mu_{30}\mu_{13}\mu_{41}\mu_{15} \\
& -10\mu_{11}\mu_{30}\mu_{13}\mu_{32}\mu_{24} + 10\mu_{11}\mu_{30}\mu_{13}\mu_{23}\mu_{33} - 5\mu_{11}\mu_{30}\mu_{13}\mu_{14}\mu_{42} \\
& +\mu_{11}\mu_{30}\mu_{13}\mu_{05}\mu_{51} + \mu_{11}\mu_{30}\mu_{04}\mu_{50}\mu_{15} - 4\mu_{11}\mu_{30}\mu_{04}\mu_{41}\mu_{24} \\
& +6\mu_{11}\mu_{30}\mu_{04}\mu_{32}\mu_{33} - 4\mu_{11}\mu_{30}\mu_{04}\mu_{23}\mu_{42} + \mu_{11}\mu_{30}\mu_{04}\mu_{14}\mu_{51} \\
& +2\mu_{11}\mu_{21}\mu_{31}\mu_{41}\mu_{06} - 8\mu_{11}\mu_{21}\mu_{31}\mu_{32}\mu_{15} + 12\mu_{11}\mu_{21}\mu_{31}\mu_{23}\mu_{24} \\
& -8\mu_{11}\mu_{21}\mu_{31}\mu_{14}\mu_{33} + 2\mu_{11}\mu_{21}\mu_{31}\mu_{05}\mu_{42} + 2\mu_{11}\mu_{21}\mu_{22}\mu_{50}\mu_{06} \\
& -9\mu_{11}\mu_{21}\mu_{22}\mu_{41}\mu_{15} + 16\mu_{11}\mu_{21}\mu_{22}\mu_{32}\mu_{24} - 14\mu_{11}\mu_{21}\mu_{22}\mu_{23}\mu_{33} \\
& +6\mu_{11}\mu_{21}\mu_{22}\mu_{14}\mu_{42} - \mu_{11}\mu_{21}\mu_{22}\mu_{05}\mu_{51} - \mu_{11}\mu_{21}\mu_{13}\mu_{50}\mu_{15} \\
& +3\mu_{11}\mu_{21}\mu_{13}\mu_{41}\mu_{24} - 2\mu_{11}\mu_{21}\mu_{13}\mu_{32}\mu_{33} - 2\mu_{11}\mu_{21}\mu_{13}\mu_{23}\mu_{42} \\
& +3\mu_{11}\mu_{21}\mu_{13}\mu_{14}\mu_{51} - \mu_{11}\mu_{21}\mu_{13}\mu_{05}\mu_{60} - \mu_{11}\mu_{21}\mu_{04}\mu_{50}\mu_{24} \\
& +4\mu_{11}\mu_{21}\mu_{04}\mu_{41}\mu_{33} - 6\mu_{11}\mu_{21}\mu_{04}\mu_{32}\mu_{42} + 4\mu_{11}\mu_{21}\mu_{04}\mu_{23}\mu_{51} \\
& -\mu_{11}\mu_{21}\mu_{04}\mu_{14}\mu_{60} - \mu_{11}\mu_{12}\mu_{40}\mu_{41}\mu_{06} + 4\mu_{11}\mu_{12}\mu_{40}\mu_{32}\mu_{15} \\
& -6\mu_{11}\mu_{12}\mu_{40}\mu_{23}\mu_{24} + 4\mu_{11}\mu_{12}\mu_{40}\mu_{14}\mu_{33} - \mu_{11}\mu_{12}\mu_{40}\mu_{05}\mu_{42} \\
& -\mu_{11}\mu_{12}\mu_{31}\mu_{50}\mu_{06} + 3\mu_{11}\mu_{12}\mu_{31}\mu_{41}\mu_{15} - 2\mu_{11}\mu_{12}\mu_{31}\mu_{32}\mu_{24} \\
& -2\mu_{11}\mu_{12}\mu_{31}\mu_{23}\mu_{33} + 3\mu_{11}\mu_{12}\mu_{31}\mu_{14}\mu_{42} - \mu_{11}\mu_{12}\mu_{31}\mu_{05}\mu_{51} \\
& -\mu_{11}\mu_{12}\mu_{22}\mu_{50}\mu_{15} + 6\mu_{11}\mu_{12}\mu_{22}\mu_{41}\mu_{24} - 14\mu_{11}\mu_{12}\mu_{22}\mu_{32}\mu_{33} \\
& +16\mu_{11}\mu_{12}\mu_{22}\mu_{23}\mu_{42} - 9\mu_{11}\mu_{12}\mu_{22}\mu_{14}\mu_{51} + 2\mu_{11}\mu_{12}\mu_{22}\mu_{05}\mu_{60} \\
& +2\mu_{11}\mu_{12}\mu_{13}\mu_{50}\mu_{24} - 8\mu_{11}\mu_{12}\mu_{13}\mu_{41}\mu_{33} + 12\mu_{11}\mu_{12}\mu_{13}\mu_{32}\mu_{42} \\
& -8\mu_{11}\mu_{12}\mu_{13}\mu_{23}\mu_{51} + 2\mu_{11}\mu_{12}\mu_{13}\mu_{14}\mu_{60} + \mu_{11}\mu_{03}\mu_{40}\mu_{41}\mu_{15} \\
& -4\mu_{11}\mu_{03}\mu_{40}\mu_{32}\mu_{24} + 6\mu_{11}\mu_{03}\mu_{40}\mu_{23}\mu_{33} - 4\mu_{11}\mu_{03}\mu_{40}\mu_{14}\mu_{42} \\
& +\mu_{11}\mu_{03}\mu_{40}\mu_{05}\mu_{51} + \mu_{11}\mu_{03}\mu_{31}\mu_{50}\mu_{15} - 5\mu_{11}\mu_{03}\mu_{31}\mu_{41}\mu_{24} \\
& +10\mu_{11}\mu_{03}\mu_{31}\mu_{32}\mu_{33} - 10\mu_{11}\mu_{03}\mu_{31}\mu_{23}\mu_{42} + 5\mu_{11}\mu_{03}\mu_{31}\mu_{14}\mu_{51} \\
& -\mu_{11}\mu_{03}\mu_{31}\mu_{05}\mu_{60} - \mu_{11}\mu_{03}\mu_{22}\mu_{50}\mu_{24} + 4\mu_{11}\mu_{03}\mu_{22}\mu_{41}\mu_{33} \\
& -6\mu_{11}\mu_{03}\mu_{22}\mu_{32}\mu_{42} + 4\mu_{11}\mu_{03}\mu_{22}\mu_{23}\mu_{51} - \mu_{11}\mu_{03}\mu_{22}\mu_{14}\mu_{60} \\
& +\mu_{02}\mu_{30}\mu_{22}\mu_{50}\mu_{06} - 4\mu_{02}\mu_{30}\mu_{22}\mu_{41}\mu_{15} + 6\mu_{02}\mu_{30}\mu_{22}\mu_{32}\mu_{24} \\
& -4\mu_{02}\mu_{30}\mu_{22}\mu_{23}\mu_{33} + \mu_{02}\mu_{30}\mu_{22}\mu_{14}\mu_{42} - \mu_{02}\mu_{30}\mu_{13}\mu_{50}\mu_{15} \\
& +4\mu_{02}\mu_{30}\mu_{13}\mu_{41}\mu_{24} - 6\mu_{02}\mu_{30}\mu_{13}\mu_{32}\mu_{33} + 4\mu_{02}\mu_{30}\mu_{13}\mu_{23}\mu_{42} \\
& -\mu_{02}\mu_{30}\mu_{13}\mu_{14}\mu_{51} - 2\mu_{02}\mu_{21}\mu_{31}\mu_{50}\mu_{06} + 8\mu_{02}\mu_{21}\mu_{31}\mu_{41}\mu_{15}
\end{aligned}
$$

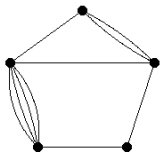
$$-12\mu_{02}\mu_{21}\mu_{31}\mu_{32}\mu_{24} + 8\mu_{02}\mu_{21}\mu_{31}\mu_{23}\mu_{33} - 2\mu_{02}\mu_{21}\mu_{31}\mu_{14}\mu_{42}$$
$$+\mu_{02}\mu_{21}\mu_{22}\mu_{50}\mu_{15} - 4\mu_{02}\mu_{21}\mu_{22}\mu_{41}\mu_{24} + 6\mu_{02}\mu_{21}\mu_{22}\mu_{32}\mu_{33}$$
$$-4\mu_{02}\mu_{21}\mu_{22}\mu_{23}\mu_{42} + \mu_{02}\mu_{21}\mu_{22}\mu_{14}\mu_{51} + \mu_{02}\mu_{21}\mu_{13}\mu_{50}\mu_{24}$$
$$-4\mu_{02}\mu_{21}\mu_{13}\mu_{41}\mu_{33} + 6\mu_{02}\mu_{21}\mu_{13}\mu_{32}\mu_{42} - 4\mu_{02}\mu_{21}\mu_{13}\mu_{23}\mu_{51}$$
$$+\mu_{02}\mu_{21}\mu_{13}\mu_{14}\mu_{60} + \mu_{02}\mu_{12}\mu_{40}\mu_{50}\mu_{06} - 4\mu_{02}\mu_{12}\mu_{40}\mu_{41}\mu_{15}$$
$$+6\mu_{02}\mu_{12}\mu_{40}\mu_{32}\mu_{24} - 4\mu_{02}\mu_{12}\mu_{40}\mu_{23}\mu_{33} + \mu_{02}\mu_{12}\mu_{40}\mu_{14}\mu_{42}$$
$$+\mu_{02}\mu_{12}\mu_{31}\mu_{50}\mu_{15} - 4\mu_{02}\mu_{12}\mu_{31}\mu_{41}\mu_{24} + 6\mu_{02}\mu_{12}\mu_{31}\mu_{32}\mu_{33}$$
$$-4\mu_{02}\mu_{12}\mu_{31}\mu_{23}\mu_{42} + \mu_{02}\mu_{12}\mu_{31}\mu_{14}\mu_{51} - 2\mu_{02}\mu_{12}\mu_{22}\mu_{50}\mu_{24}$$
$$+8\mu_{02}\mu_{12}\mu_{22}\mu_{41}\mu_{33} - 12\mu_{02}\mu_{12}\mu_{22}\mu_{32}\mu_{42} + 8\mu_{02}\mu_{12}\mu_{22}\mu_{23}\mu_{51}$$
$$-2\mu_{02}\mu_{12}\mu_{22}\mu_{14}\mu_{60} - \mu_{02}\mu_{03}\mu_{40}\mu_{50}\mu_{15} + 4\mu_{02}\mu_{03}\mu_{40}\mu_{41}\mu_{24}$$
$$-6\mu_{02}\mu_{03}\mu_{40}\mu_{32}\mu_{33} + 4\mu_{02}\mu_{03}\mu_{40}\mu_{23}\mu_{42} - \mu_{02}\mu_{03}\mu_{40}\mu_{14}\mu_{51}$$
$$+\mu_{02}\mu_{03}\mu_{31}\mu_{50}\mu_{24} - 4\mu_{02}\mu_{03}\mu_{31}\mu_{41}\mu_{33} + 6\mu_{02}\mu_{03}\mu_{31}\mu_{32}\mu_{42}$$
$$-4\mu_{02}\mu_{03}\mu_{31}\mu_{23}\mu_{51} + \mu_{02}\mu_{03}\mu_{31}\mu_{14}\mu_{60})/\mu_{00}^{15}$$

weight=10

structure: 1,1,1,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |



$$
\begin{aligned}
I_{204} \;=\; & (\mu_{20}\mu_{30}\mu_{13}\mu_{41}\mu_{06} - 4\mu_{20}\mu_{30}\mu_{13}\mu_{32}\mu_{15} + 6\mu_{20}\mu_{30}\mu_{13}\mu_{23}\mu_{24} \\
& -4\mu_{20}\mu_{30}\mu_{13}\mu_{14}\mu_{33} + \mu_{20}\mu_{30}\mu_{13}\mu_{05}\mu_{42} - \mu_{20}\mu_{30}\mu_{04}\mu_{41}\mu_{15} \\
& +4\mu_{20}\mu_{30}\mu_{04}\mu_{32}\mu_{24} - 6\mu_{20}\mu_{30}\mu_{04}\mu_{23}\mu_{33} + 4\mu_{20}\mu_{30}\mu_{04}\mu_{14}\mu_{42} \\
& -\mu_{20}\mu_{30}\mu_{04}\mu_{05}\mu_{51} - 2\mu_{20}\mu_{21}\mu_{22}\mu_{41}\mu_{06} + 8\mu_{20}\mu_{21}\mu_{22}\mu_{32}\mu_{15} \\
& -12\mu_{20}\mu_{21}\mu_{22}\mu_{23}\mu_{24} + 8\mu_{20}\mu_{21}\mu_{22}\mu_{14}\mu_{33} - 2\mu_{20}\mu_{21}\mu_{22}\mu_{05}\mu_{42} \\
& -\mu_{20}\mu_{21}\mu_{13}\mu_{50}\mu_{06} + 6\mu_{20}\mu_{21}\mu_{13}\mu_{41}\mu_{15} - 14\mu_{20}\mu_{21}\mu_{13}\mu_{32}\mu_{24} \\
& +16\mu_{20}\mu_{21}\mu_{13}\mu_{23}\mu_{33} - 9\mu_{20}\mu_{21}\mu_{13}\mu_{14}\mu_{42} + 2\mu_{20}\mu_{21}\mu_{13}\mu_{05}\mu_{51} \\
& +\mu_{20}\mu_{21}\mu_{04}\mu_{50}\mu_{15} - 4\mu_{20}\mu_{21}\mu_{04}\mu_{41}\mu_{24} + 6\mu_{20}\mu_{21}\mu_{04}\mu_{32}\mu_{33} \\
& -4\mu_{20}\mu_{21}\mu_{04}\mu_{23}\mu_{42} + \mu_{20}\mu_{21}\mu_{04}\mu_{14}\mu_{51} + \mu_{20}\mu_{12}\mu_{31}\mu_{41}\mu_{06} \\
& -4\mu_{20}\mu_{12}\mu_{31}\mu_{32}\mu_{15} + 6\mu_{20}\mu_{12}\mu_{31}\mu_{23}\mu_{24} - 4\mu_{20}\mu_{12}\mu_{31}\mu_{14}\mu_{33} \\
& +\mu_{20}\mu_{12}\mu_{31}\mu_{05}\mu_{42} + 2\mu_{20}\mu_{12}\mu_{22}\mu_{50}\mu_{06} - 9\mu_{20}\mu_{12}\mu_{22}\mu_{41}\mu_{15} \\
& +16\mu_{20}\mu_{12}\mu_{22}\mu_{32}\mu_{24} - 14\mu_{20}\mu_{12}\mu_{22}\mu_{23}\mu_{33} + 6\mu_{20}\mu_{12}\mu_{22}\mu_{14}\mu_{42} \\
& -\mu_{20}\mu_{12}\mu_{22}\mu_{05}\mu_{51} - 2\mu_{20}\mu_{12}\mu_{13}\mu_{50}\mu_{15} + 8\mu_{20}\mu_{12}\mu_{13}\mu_{41}\mu_{24} \\
& -12\mu_{20}\mu_{12}\mu_{13}\mu_{32}\mu_{33} + 8\mu_{20}\mu_{12}\mu_{13}\mu_{23}\mu_{42} - 2\mu_{20}\mu_{12}\mu_{13}\mu_{14}\mu_{51} \\
& -\mu_{20}\mu_{03}\mu_{31}\mu_{50}\mu_{06} + 4\mu_{20}\mu_{03}\mu_{31}\mu_{41}\mu_{15} - 6\mu_{20}\mu_{03}\mu_{31}\mu_{32}\mu_{24} \\
& +4\mu_{20}\mu_{03}\mu_{31}\mu_{23}\mu_{33} - \mu_{20}\mu_{03}\mu_{31}\mu_{14}\mu_{42} + \mu_{20}\mu_{03}\mu_{22}\mu_{50}\mu_{15} \\
& -4\mu_{20}\mu_{03}\mu_{22}\mu_{41}\mu_{24} + 6\mu_{20}\mu_{03}\mu_{22}\mu_{32}\mu_{33} - 4\mu_{20}\mu_{03}\mu_{22}\mu_{23}\mu_{42} \\
& +\mu_{20}\mu_{03}\mu_{22}\mu_{14}\mu_{51} - \mu_{11}\mu_{30}\mu_{22}\mu_{41}\mu_{06} + 4\mu_{11}\mu_{30}\mu_{22}\mu_{32}\mu_{15} \\
& -6\mu_{11}\mu_{30}\mu_{22}\mu_{23}\mu_{24} + 4\mu_{11}\mu_{30}\mu_{22}\mu_{14}\mu_{33} - \mu_{11}\mu_{30}\mu_{22}\mu_{05}\mu_{42} \\
& +\mu_{11}\mu_{30}\mu_{04}\mu_{41}\mu_{24} - 4\mu_{11}\mu_{30}\mu_{04}\mu_{32}\mu_{33} + 6\mu_{11}\mu_{30}\mu_{04}\mu_{23}\mu_{42} \\
& -4\mu_{11}\mu_{30}\mu_{04}\mu_{14}\mu_{51} + \mu_{11}\mu_{30}\mu_{04}\mu_{05}\mu_{60} + 2\mu_{11}\mu_{21}\mu_{31}\mu_{41}\mu_{06} \\
& -8\mu_{11}\mu_{21}\mu_{31}\mu_{32}\mu_{15} + 12\mu_{11}\mu_{21}\mu_{31}\mu_{23}\mu_{24} - 8\mu_{11}\mu_{21}\mu_{31}\mu_{14}\mu_{33} \\
& +2\mu_{11}\mu_{21}\mu_{31}\mu_{05}\mu_{42} + \mu_{11}\mu_{21}\mu_{22}\mu_{50}\mu_{06} - 4\mu_{11}\mu_{21}\mu_{22}\mu_{41}\mu_{15} \\
& +6\mu_{11}\mu_{21}\mu_{22}\mu_{32}\mu_{24} - 4\mu_{11}\mu_{21}\mu_{22}\mu_{23}\mu_{33} + \mu_{11}\mu_{21}\mu_{22}\mu_{14}\mu_{42} \\
& -2\mu_{11}\mu_{21}\mu_{13}\mu_{41}\mu_{24} + 8\mu_{11}\mu_{21}\mu_{13}\mu_{32}\mu_{33} - 12\mu_{11}\mu_{21}\mu_{13}\mu_{23}\mu_{42} \\
& +8\mu_{11}\mu_{21}\mu_{13}\mu_{14}\mu_{51} - 2\mu_{11}\mu_{21}\mu_{13}\mu_{05}\mu_{60} - \mu_{11}\mu_{21}\mu_{04}\mu_{50}\mu_{24} \\
& +4\mu_{11}\mu_{21}\mu_{04}\mu_{41}\mu_{33} - 6\mu_{11}\mu_{21}\mu_{04}\mu_{32}\mu_{42} + 4\mu_{11}\mu_{21}\mu_{04}\mu_{23}\mu_{51} \\
& -\mu_{11}\mu_{21}\mu_{04}\mu_{14}\mu_{60} - \mu_{11}\mu_{12}\mu_{40}\mu_{41}\mu_{06} + 4\mu_{11}\mu_{12}\mu_{40}\mu_{32}\mu_{15} \\
& -6\mu_{11}\mu_{12}\mu_{40}\mu_{23}\mu_{24} + 4\mu_{11}\mu_{12}\mu_{40}\mu_{14}\mu_{33} - \mu_{11}\mu_{12}\mu_{40}\mu_{05}\mu_{42} \\
& -2\mu_{11}\mu_{12}\mu_{31}\mu_{50}\mu_{06} + 8\mu_{11}\mu_{12}\mu_{31}\mu_{41}\mu_{15} - 12\mu_{11}\mu_{12}\mu_{31}\mu_{32}\mu_{24} \\
& +8\mu_{11}\mu_{12}\mu_{31}\mu_{23}\mu_{33} - 2\mu_{11}\mu_{12}\mu_{31}\mu_{14}\mu_{42} + \mu_{11}\mu_{12}\mu_{22}\mu_{41}\mu_{24} \\
& -4\mu_{11}\mu_{12}\mu_{22}\mu_{32}\mu_{33} + 6\mu_{11}\mu_{12}\mu_{22}\mu_{23}\mu_{42} - 4\mu_{11}\mu_{12}\mu_{22}\mu_{14}\mu_{51} \\
& +\mu_{11}\mu_{12}\mu_{22}\mu_{05}\mu_{60} + 2\mu_{11}\mu_{12}\mu_{13}\mu_{50}\mu_{24} - 8\mu_{11}\mu_{12}\mu_{13}\mu_{41}\mu_{33} \\
& +12\mu_{11}\mu_{12}\mu_{13}\mu_{32}\mu_{42} - 8\mu_{11}\mu_{12}\mu_{13}\mu_{23}\mu_{51} + 2\mu_{11}\mu_{12}\mu_{13}\mu_{14}\mu_{60} \\
& +\mu_{11}\mu_{03}\mu_{40}\mu_{50}\mu_{06} - 4\mu_{11}\mu_{03}\mu_{40}\mu_{41}\mu_{15} + 6\mu_{11}\mu_{03}\mu_{40}\mu_{32}\mu_{24} \\
& -4\mu_{11}\mu_{03}\mu_{40}\mu_{23}\mu_{33} + \mu_{11}\mu_{03}\mu_{40}\mu_{14}\mu_{42} - \mu_{11}\mu_{03}\mu_{22}\mu_{50}\mu_{24} \\
& +4\mu_{11}\mu_{03}\mu_{22}\mu_{41}\mu_{33} - 6\mu_{11}\mu_{03}\mu_{22}\mu_{32}\mu_{42} + 4\mu_{11}\mu_{03}\mu_{22}\mu_{23}\mu_{51} \\
& -\mu_{11}\mu_{03}\mu_{22}\mu_{14}\mu_{60} + \mu_{02}\mu_{30}\mu_{22}\mu_{41}\mu_{15} - 4\mu_{02}\mu_{30}\mu_{22}\mu_{32}\mu_{24} \\
& +6\mu_{02}\mu_{30}\mu_{22}\mu_{23}\mu_{33} - 4\mu_{02}\mu_{30}\mu_{22}\mu_{14}\mu_{42} + \mu_{02}\mu_{30}\mu_{22}\mu_{05}\mu_{51} \\
& -\mu_{02}\mu_{30}\mu_{13}\mu_{41}\mu_{24} + 4\mu_{02}\mu_{30}\mu_{13}\mu_{32}\mu_{33} - 6\mu_{02}\mu_{30}\mu_{13}\mu_{23}\mu_{42} \\
& +4\mu_{02}\mu_{30}\mu_{13}\mu_{14}\mu_{51} - \mu_{02}\mu_{30}\mu_{13}\mu_{05}\mu_{60} - 2\mu_{02}\mu_{21}\mu_{31}\mu_{41}\mu_{15} \\
& +8\mu_{02}\mu_{21}\mu_{31}\mu_{32}\mu_{24} - 12\mu_{02}\mu_{21}\mu_{31}\mu_{23}\mu_{33} + 8\mu_{02}\mu_{21}\mu_{31}\mu_{14}\mu_{42} \\
& -2\mu_{02}\mu_{21}\mu_{31}\mu_{05}\mu_{51} - \mu_{02}\mu_{21}\mu_{22}\mu_{50}\mu_{15} + 6\mu_{02}\mu_{21}\mu_{22}\mu_{41}\mu_{24} \\
& -14\mu_{02}\mu_{21}\mu_{22}\mu_{32}\mu_{33} + 16\mu_{02}\mu_{21}\mu_{22}\mu_{23}\mu_{42} - 9\mu_{02}\mu_{21}\mu_{22}\mu_{14}\mu_{51} \\
& +2\mu_{02}\mu_{21}\mu_{22}\mu_{05}\mu_{60} + \mu_{02}\mu_{21}\mu_{13}\mu_{50}\mu_{24} - 4\mu_{02}\mu_{21}\mu_{13}\mu_{41}\mu_{33} \\
& +6\mu_{02}\mu_{21}\mu_{13}\mu_{32}\mu_{42} - 4\mu_{02}\mu_{21}\mu_{13}\mu_{23}\mu_{51} + \mu_{02}\mu_{21}\mu_{13}\mu_{14}\mu_{60}
\end{aligned}
$$

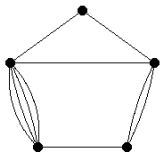
$$
\begin{aligned}
&+\mu_{02}\mu_{12}\mu_{40}\mu_{41}\mu_{15} - 4\mu_{02}\mu_{12}\mu_{40}\mu_{32}\mu_{24} + 6\mu_{02}\mu_{12}\mu_{40}\mu_{23}\mu_{33}\\
&-4\mu_{02}\mu_{12}\mu_{40}\mu_{14}\mu_{42} + \mu_{02}\mu_{12}\mu_{40}\mu_{05}\mu_{51} + 2\mu_{02}\mu_{12}\mu_{31}\mu_{50}\mu_{15}\\
&-9\mu_{02}\mu_{12}\mu_{31}\mu_{41}\mu_{24} + 16\mu_{02}\mu_{12}\mu_{31}\mu_{32}\mu_{33} - 14\mu_{02}\mu_{12}\mu_{31}\mu_{23}\mu_{42}\\
&+6\mu_{02}\mu_{12}\mu_{31}\mu_{14}\mu_{51} - \mu_{02}\mu_{12}\mu_{31}\mu_{05}\mu_{60} - 2\mu_{02}\mu_{12}\mu_{22}\mu_{50}\mu_{24}\\
&+8\mu_{02}\mu_{12}\mu_{22}\mu_{41}\mu_{33} - 12\mu_{02}\mu_{12}\mu_{22}\mu_{32}\mu_{42} + 8\mu_{02}\mu_{12}\mu_{22}\mu_{23}\mu_{51}\\
&-2\mu_{02}\mu_{12}\mu_{22}\mu_{14}\mu_{60} - \mu_{02}\mu_{03}\mu_{40}\mu_{50}\mu_{15} + 4\mu_{02}\mu_{03}\mu_{40}\mu_{41}\mu_{24}\\
&-6\mu_{02}\mu_{03}\mu_{40}\mu_{32}\mu_{33} + 4\mu_{02}\mu_{03}\mu_{40}\mu_{23}\mu_{42} - \mu_{02}\mu_{03}\mu_{40}\mu_{14}\mu_{51}\\
&+\mu_{02}\mu_{03}\mu_{31}\mu_{50}\mu_{24} - 4\mu_{02}\mu_{03}\mu_{31}\mu_{41}\mu_{33} + 6\mu_{02}\mu_{03}\mu_{31}\mu_{32}\mu_{42}\\
&-4\mu_{02}\mu_{03}\mu_{31}\mu_{23}\mu_{51} + \mu_{02}\mu_{03}\mu_{31}\mu_{14}\mu_{60})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,1,1,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| 2 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



**Simultaneous invariants of the orders 2 and 7**

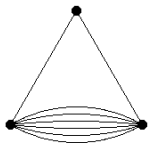
$$
\begin{aligned}
I_{205} \;=\; &(\mu_{20}\mu_{61}\mu_{07} - 6\mu_{20}\mu_{52}\mu_{16} + 15\mu_{20}\mu_{43}\mu_{25} - 10\mu_{20}\mu_{34}^2 - \mu_{11}\mu_{70}\mu_{07}\\
&+5\mu_{11}\mu_{61}\mu_{16} - 9\mu_{11}\mu_{52}\mu_{25} + 5\mu_{11}\mu_{43}\mu_{34} + \mu_{02}\mu_{70}\mu_{16} - 6\mu_{02}\mu_{61}\mu_{25}\\
&+15\mu_{02}\mu_{52}\mu_{34} - 10\mu_{02}\mu_{43}^2)/\mu_{00}^{11}
\end{aligned}
$$

weight=8

structure: 1,0,0,0,0,2

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |



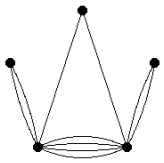
$$
\begin{aligned}
I_{206} \;=\; & (\mu_{20}^3\mu_{43}\mu_{07} - 4\mu_{20}^3\mu_{34}\mu_{16} + 3\mu_{20}^3\mu_{25}^2 - 3\mu_{20}^2\mu_{11}\mu_{52}\mu_{07} + 9\mu_{20}^2\mu_{11}\mu_{43}\mu_{16} \\
& -6\mu_{20}^2\mu_{11}\mu_{34}\mu_{25} + \mu_{20}^2\mu_{02}\mu_{61}\mu_{07} - 3\mu_{20}^2\mu_{02}\mu_{52}\mu_{16} + 3\mu_{20}^2\mu_{02}\mu_{43}\mu_{25} \\
& -\mu_{20}^2\mu_{02}\mu_{34}^2 + 2\mu_{20}\mu_{11}^2\mu_{61}\mu_{07} - 18\mu_{20}\mu_{11}^2\mu_{43}\mu_{25} + 16\mu_{20}\mu_{11}^2\mu_{34}^2 \\
& -\mu_{20}\mu_{11}\mu_{02}\mu_{70}\mu_{07} - \mu_{20}\mu_{11}\mu_{02}\mu_{61}\mu_{16} + 9\mu_{20}\mu_{11}\mu_{02}\mu_{52}\mu_{25} \\
& -7\mu_{20}\mu_{11}\mu_{02}\mu_{43}\mu_{34} + \mu_{20}\mu_{02}^2\mu_{70}\mu_{16} - 3\mu_{20}\mu_{02}^2\mu_{61}\mu_{25} \\
& +3\mu_{20}\mu_{02}^2\mu_{52}\mu_{34} - \mu_{20}\mu_{02}^2\mu_{43}^2 - 4\mu_{11}^3\mu_{61}\mu_{16} + 12\mu_{11}^3\mu_{52}\mu_{25} - 8\mu_{11}^3\mu_{43}\mu_{34} \\
& +2\mu_{11}^2\mu_{02}\mu_{70}\mu_{16} - 18\mu_{11}^2\mu_{02}\mu_{52}\mu_{34} + 16\mu_{11}^2\mu_{02}\mu_{43}^2 - 3\mu_{11}\mu_{02}^2\mu_{70}\mu_{25} \\
& +9\mu_{11}\mu_{02}^2\mu_{61}\mu_{34} - 6\mu_{11}\mu_{02}^2\mu_{52}\mu_{43} + \mu_{02}^3\mu_{70}\mu_{34} - 4\mu_{02}^3\mu_{61}\mu_{43} + 3\mu_{02}^3\mu_{52}^2)/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 3,0,0,0,0,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 |



**Simultaneous invariants of the orders 3 and 7**

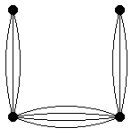
$$
\begin{aligned}
I_{207} \;=\; & (\mu_{30}^2\mu_{43}\mu_{07} - 4\mu_{30}^2\mu_{34}\mu_{16} + 3\mu_{30}^2\mu_{25}^2 - 3\mu_{30}\mu_{21}\mu_{52}\mu_{07} + 9\mu_{30}\mu_{21}\mu_{43}\mu_{16} \\
& -6\mu_{30}\mu_{21}\mu_{34}\mu_{25} + 3\mu_{30}\mu_{12}\mu_{61}\mu_{07} - 12\mu_{30}\mu_{12}\mu_{52}\mu_{16} + 21\mu_{30}\mu_{12}\mu_{43}\mu_{25} \\
& -12\mu_{30}\mu_{12}\mu_{34}^2 - \mu_{30}\mu_{03}\mu_{70}\mu_{07} + 4\mu_{30}\mu_{03}\mu_{61}\mu_{16} - 6\mu_{30}\mu_{03}\mu_{52}\mu_{25} \\
& +3\mu_{30}\mu_{03}\mu_{43}\mu_{34} + 9\mu_{21}^2\mu_{52}\mu_{16} - 36\mu_{21}^2\mu_{43}\mu_{25} + 27\mu_{21}^2\mu_{34}^2 - 9\mu_{21}\mu_{12}\mu_{61}\mu_{16} \\
& +27\mu_{21}\mu_{12}\mu_{52}\mu_{25} - 18\mu_{21}\mu_{12}\mu_{43}\mu_{34} + 3\mu_{21}\mu_{03}\mu_{70}\mu_{16} - 12\mu_{21}\mu_{03}\mu_{61}\mu_{25} \\
& +21\mu_{21}\mu_{03}\mu_{52}\mu_{34} - 12\mu_{21}\mu_{03}\mu_{43}^2 + 9\mu_{12}^2\mu_{61}\mu_{25} - 36\mu_{12}^2\mu_{52}\mu_{34} + 27\mu_{12}^2\mu_{43}^2 \\
& -3\mu_{12}\mu_{03}\mu_{70}\mu_{25} + 9\mu_{12}\mu_{03}\mu_{61}\mu_{34} - 6\mu_{12}\mu_{03}\mu_{52}\mu_{43} + \mu_{03}^2\mu_{70}\mu_{34} \\
& -4\mu_{03}^2\mu_{61}\mu_{43} + 3\mu_{03}^2\mu_{52}^2)/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,2,0,0,0,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 |



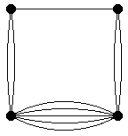
$$
\begin{aligned}
I_{208} \;=\; & (2\mu_{30}\mu_{12}\mu_{61}\mu_{07} - 12\mu_{30}\mu_{12}\mu_{52}\mu_{16} + 30\mu_{30}\mu_{12}\mu_{43}\mu_{25} - 20\mu_{30}\mu_{12}\mu_{34}^2 \\
& -\mu_{30}\mu_{03}\mu_{70}\mu_{07} + 5\mu_{30}\mu_{03}\mu_{61}\mu_{16} - 9\mu_{30}\mu_{03}\mu_{52}\mu_{25} + 5\mu_{30}\mu_{03}\mu_{43}\mu_{34} \\
& -2\mu_{21}^2\mu_{61}\mu_{07} + 12\mu_{21}^2\mu_{52}\mu_{16} - 30\mu_{21}^2\mu_{43}\mu_{25} + 20\mu_{21}^2\mu_{34}^2 + \mu_{21}\mu_{12}\mu_{70}\mu_{07} \\
& -5\mu_{21}\mu_{12}\mu_{61}\mu_{16} + 9\mu_{21}\mu_{12}\mu_{52}\mu_{25} - 5\mu_{21}\mu_{12}\mu_{43}\mu_{34} + 2\mu_{21}\mu_{03}\mu_{70}\mu_{16} \\
& -12\mu_{21}\mu_{03}\mu_{61}\mu_{25} + 30\mu_{21}\mu_{03}\mu_{52}\mu_{34} - 20\mu_{21}\mu_{03}\mu_{43}^2 - 2\mu_{12}^2\mu_{70}\mu_{16} \\
& +12\mu_{12}^2\mu_{61}\mu_{25} - 30\mu_{12}^2\mu_{52}\mu_{34} + 20\mu_{12}^2\mu_{43}^2)/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,2,0,0,0,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 4 |



**Simultaneous invariants of the orders 6 and 7**

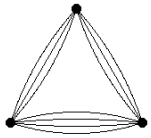
$$
\begin{aligned}
I_{209} \;=\; & (\mu_{60}\mu_{43}\mu_{07} - 4\mu_{60}\mu_{34}\mu_{16} + 3\mu_{60}\mu_{25}^2 - 3\mu_{51}\mu_{52}\mu_{07} + 9\mu_{51}\mu_{43}\mu_{16} \\
& -6\mu_{51}\mu_{34}\mu_{25} + 3\mu_{42}\mu_{61}\mu_{07} - 3\mu_{42}\mu_{52}\mu_{16} - 15\mu_{42}\mu_{43}\mu_{25} + 15\mu_{42}\mu_{34}^2 \\
& -\mu_{33}\mu_{70}\mu_{07} - 5\mu_{33}\mu_{61}\mu_{16} + 21\mu_{33}\mu_{52}\mu_{25} - 15\mu_{33}\mu_{43}\mu_{34} + 3\mu_{24}\mu_{70}\mu_{16} \\
& -3\mu_{24}\mu_{61}\mu_{25} - 15\mu_{24}\mu_{52}\mu_{34} + 15\mu_{24}\mu_{43}^2 - 3\mu_{15}\mu_{70}\mu_{25} + 9\mu_{15}\mu_{61}\mu_{34} \\
& -6\mu_{15}\mu_{52}\mu_{43} + \mu_{06}\mu_{70}\mu_{34} - 4\mu_{06}\mu_{61}\mu_{43} + 3\mu_{06}\mu_{52}^2)/\mu_{00}^{13}
\end{aligned}
$$

weight=10

structure: 0,0,0,0,1,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |



**Simultaneous invariants of the orders 2, 3 and 7**

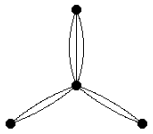
$$\begin{aligned} I_{210} \;=\; & (-\mu_{20}^2\mu_{30}\mu_{07} + 3\mu_{20}^2\mu_{21}\mu_{16} - 3\mu_{20}^2\mu_{12}\mu_{25} + \mu_{20}^2\mu_{03}\mu_{34} + 4\mu_{20}\mu_{11}\mu_{30}\mu_{16} \\ & -12\mu_{20}\mu_{11}\mu_{21}\mu_{25} + 12\mu_{20}\mu_{11}\mu_{12}\mu_{34} - 4\mu_{20}\mu_{11}\mu_{03}\mu_{43} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{25} \\ & +6\mu_{20}\mu_{02}\mu_{21}\mu_{34} - 6\mu_{20}\mu_{02}\mu_{12}\mu_{43} + 2\mu_{20}\mu_{02}\mu_{03}\mu_{52} - 4\mu_{11}^2\mu_{30}\mu_{25} \\ & +12\mu_{11}^2\mu_{21}\mu_{34} - 12\mu_{11}^2\mu_{12}\mu_{43} + 4\mu_{11}^2\mu_{03}\mu_{52} + 4\mu_{11}\mu_{02}\mu_{30}\mu_{34} \\ & -12\mu_{11}\mu_{02}\mu_{21}\mu_{43} + 12\mu_{11}\mu_{02}\mu_{12}\mu_{52} - 4\mu_{11}\mu_{02}\mu_{03}\mu_{61} - \mu_{02}^2\mu_{30}\mu_{43} \\ & +3\mu_{02}^2\mu_{21}\mu_{52} - 3\mu_{02}^2\mu_{12}\mu_{61} + \mu_{02}^2\mu_{03}\mu_{70})/\mu_{00}^{11} \end{aligned}$$

weight=7

structure: 2,1,0,0,0,1

Generating graph:

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 3 | 3 | 4 | 4 |



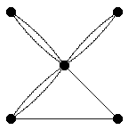
$$\begin{aligned} I_{211} \;=\; & (\mu_{20}^3\mu_{21}\mu_{07} - 2\mu_{20}^3\mu_{12}\mu_{16} + \mu_{20}^3\mu_{03}\mu_{25} - \mu_{20}^2\mu_{11}\mu_{30}\mu_{07} \\ & -3\mu_{20}^2\mu_{11}\mu_{21}\mu_{16} + 9\mu_{20}^2\mu_{11}\mu_{12}\mu_{25} - 5\mu_{20}^2\mu_{11}\mu_{03}\mu_{34} + \mu_{20}^2\mu_{02}\mu_{30}\mu_{16} \\ & -3\mu_{20}^2\mu_{02}\mu_{12}\mu_{34} + 2\mu_{20}^2\mu_{02}\mu_{03}\mu_{43} + 4\mu_{20}\mu_{11}^2\mu_{30}\mu_{16} - 12\mu_{20}\mu_{11}^2\mu_{12}\mu_{34} \\ & +8\mu_{20}\mu_{11}^2\mu_{03}\mu_{43} - 6\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{25} + 6\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{34} \\ & +6\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{43} - 6\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{52} + 2\mu_{20}\mu_{02}^2\mu_{30}\mu_{34} \\ & -3\mu_{20}\mu_{02}^2\mu_{21}\mu_{43} + \mu_{20}\mu_{02}^2\mu_{03}\mu_{61} - 4\mu_{11}^3\mu_{30}\mu_{25} + 4\mu_{11}^3\mu_{21}\mu_{34} \\ & +4\mu_{11}^3\mu_{12}\mu_{43} - 4\mu_{11}^3\mu_{03}\mu_{52} + 8\mu_{11}^2\mu_{02}\mu_{30}\mu_{34} - 12\mu_{11}^2\mu_{02}\mu_{21}\mu_{43} \\ & +4\mu_{11}^2\mu_{02}\mu_{03}\mu_{61} - 5\mu_{11}\mu_{02}^2\mu_{30}\mu_{43} + 9\mu_{11}\mu_{02}^2\mu_{21}\mu_{52} - 3\mu_{11}\mu_{02}^2\mu_{12}\mu_{61} \\ & -\mu_{11}\mu_{02}^2\mu_{03}\mu_{70} + \mu_{02}^3\mu_{30}\mu_{52} - 2\mu_{02}^3\mu_{21}\mu_{61} + \mu_{02}^3\mu_{12}\mu_{70})/\mu_{00}^{13} \end{aligned}$$

weight=8

structure: 3,1,0,0,0,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 |



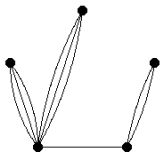
$$
\begin{aligned}
I_{212} \;=\; & (-\mu_{20}\mu_{30}^2\mu_{12}\mu_{07} + \mu_{20}\mu_{30}^2\mu_{03}\mu_{16} + 6\mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{16} \\
& -6\mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{25} - 6\mu_{20}\mu_{30}\mu_{12}^2\mu_{25} + 8\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{34} \\
& -2\mu_{20}\mu_{30}\mu_{03}^2\mu_{43} - 9\mu_{20}\mu_{21}^2\mu_{12}\mu_{25} + 9\mu_{20}\mu_{21}^2\mu_{03}\mu_{34} + 18\mu_{20}\mu_{21}\mu_{12}^2\mu_{34} \\
& -24\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{43} + 6\mu_{20}\mu_{21}\mu_{03}^2\mu_{52} - 9\mu_{20}\mu_{12}^3\mu_{43} + 15\mu_{20}\mu_{12}^2\mu_{03}\mu_{52} \\
& -7\mu_{20}\mu_{12}\mu_{03}^2\mu_{61} + \mu_{20}\mu_{03}^3\mu_{70} + 2\mu_{11}\mu_{30}^2\mu_{21}\mu_{07} - 2\mu_{11}\mu_{30}^2\mu_{12}\mu_{16} \\
& -12\mu_{11}\mu_{30}\mu_{21}^2\mu_{16} + 24\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{25} - 4\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{34} \\
& -12\mu_{11}\mu_{30}\mu_{12}^2\mu_{34} + 4\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{43} + 18\mu_{11}\mu_{21}^3\mu_{25} - 54\mu_{11}\mu_{21}^2\mu_{12}\mu_{34} \\
& +12\mu_{11}\mu_{21}^2\mu_{03}\mu_{43} + 54\mu_{11}\mu_{21}\mu_{12}^2\mu_{43} - 24\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{52} \\
& +2\mu_{11}\mu_{21}\mu_{03}^2\mu_{61} - 18\mu_{11}\mu_{12}^3\mu_{52} + 12\mu_{11}\mu_{12}^2\mu_{03}\mu_{61} - 2\mu_{11}\mu_{12}\mu_{03}^2\mu_{70} \\
& -\mu_{02}\mu_{30}^3\mu_{07} + 7\mu_{02}\mu_{30}^2\mu_{21}\mu_{16} - 6\mu_{02}\mu_{30}^2\mu_{12}\mu_{25} + 2\mu_{02}\mu_{30}^2\mu_{03}\mu_{34} \\
& -15\mu_{02}\mu_{30}\mu_{21}^2\mu_{25} + 24\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{34} - 8\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{43} \\
& -9\mu_{02}\mu_{30}\mu_{12}^2\mu_{43} + 6\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{52} - \mu_{02}\mu_{30}\mu_{03}^2\mu_{61} + 9\mu_{02}\mu_{21}^3\mu_{34} \\
& -18\mu_{02}\mu_{21}^2\mu_{12}\mu_{43} + 6\mu_{02}\mu_{21}^2\mu_{03}\mu_{52} + 9\mu_{02}\mu_{21}\mu_{12}^2\mu_{52} \\
& -6\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{61} + \mu_{02}\mu_{21}\mu_{03}^2\mu_{70})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 1,3,0,0,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |

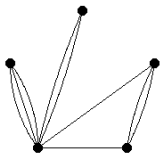


$$
\begin{aligned}
I_{213} \;=\; & (-\mu_{20}\mu_{30}^2\mu_{12}\mu_{07} + \mu_{20}\mu_{30}^2\mu_{03}\mu_{16} + \mu_{20}\mu_{30}\mu_{21}^2\mu_{07} \\
& +2\mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{16} - 4\mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{25} - 2\mu_{20}\mu_{30}\mu_{12}^2\mu_{25} \\
& +4\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{34} - \mu_{20}\mu_{30}\mu_{03}^2\mu_{43} - 3\mu_{20}\mu_{21}^3\mu_{16} + 6\mu_{20}\mu_{21}^2\mu_{12}\mu_{25} \\
& +2\mu_{20}\mu_{21}^2\mu_{03}\mu_{34} - 6\mu_{20}\mu_{21}\mu_{12}^2\mu_{34} - 2\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{43} \\
& +\mu_{20}\mu_{21}\mu_{03}^2\mu_{52} + 3\mu_{20}\mu_{12}^3\mu_{43} - \mu_{20}\mu_{12}^2\mu_{03}\mu_{52} + 2\mu_{11}\mu_{30}^2\mu_{12}\mu_{16} \\
& -2\mu_{11}\mu_{30}^2\mu_{03}\mu_{25} - 2\mu_{11}\mu_{30}\mu_{21}^2\mu_{16} - 4\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{25} \\
& +8\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{34} + 4\mu_{11}\mu_{30}\mu_{12}^2\mu_{34} - 8\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{43} \\
& +2\mu_{11}\mu_{30}\mu_{03}^2\mu_{52} + 6\mu_{11}\mu_{21}^3\mu_{25} - 12\mu_{11}\mu_{21}^2\mu_{12}\mu_{34} - 4\mu_{11}\mu_{21}^2\mu_{03}\mu_{43} \\
& +12\mu_{11}\mu_{21}\mu_{12}^2\mu_{43} + 4\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{52} - 2\mu_{11}\mu_{21}\mu_{03}^2\mu_{61} - 6\mu_{11}\mu_{12}^3\mu_{52} \\
& +2\mu_{11}\mu_{12}^2\mu_{03}\mu_{61} - \mu_{02}\mu_{30}^2\mu_{12}\mu_{25} + \mu_{02}\mu_{30}^2\mu_{03}\mu_{34} + \mu_{02}\mu_{30}\mu_{21}^2\mu_{25} \\
& +2\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{34} - 4\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{43} - 2\mu_{02}\mu_{30}\mu_{12}^2\mu_{43} \\
& +4\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{52} - \mu_{02}\mu_{30}\mu_{03}^2\mu_{61} - 3\mu_{02}\mu_{21}^3\mu_{34} + 6\mu_{02}\mu_{21}^2\mu_{12}\mu_{43} \\
& +2\mu_{02}\mu_{21}^2\mu_{03}\mu_{52} - 6\mu_{02}\mu_{21}\mu_{12}^2\mu_{52} - 2\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{61} \\
& +\mu_{02}\mu_{21}\mu_{03}^2\mu_{70} + 3\mu_{02}\mu_{12}^3\mu_{61} - \mu_{02}\mu_{12}^2\mu_{03}\mu_{70})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 1,3,0,0,0,1
Generating graph:

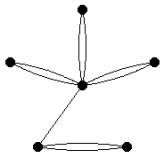
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



$$
\begin{aligned}
I_{214} \;=\; & (-\mu_{20}^4\mu_{12}\mu_{07} + \mu_{20}^4\mu_{03}\mu_{16} + 2\mu_{20}^3\mu_{11}\mu_{21}\mu_{07} + 4\mu_{20}^3\mu_{11}\mu_{12}\mu_{16} \\
& -6\mu_{20}^3\mu_{11}\mu_{03}\mu_{25} - \mu_{20}^3\mu_{02}\mu_{30}\mu_{07} + \mu_{20}^3\mu_{02}\mu_{21}\mu_{16} - 3\mu_{20}^3\mu_{02}\mu_{12}\mu_{25} \\
& +3\mu_{20}^3\mu_{02}\mu_{03}\mu_{34} - 12\mu_{20}^2\mu_{11}^2\mu_{21}\mu_{16} + 12\mu_{20}^2\mu_{11}^2\mu_{03}\mu_{34} \\
& +6\mu_{20}^2\mu_{11}\mu_{02}\mu_{30}\mu_{16} + 6\mu_{20}^2\mu_{11}\mu_{02}\mu_{12}\mu_{34} - 12\mu_{20}^2\mu_{11}\mu_{02}\mu_{03}\mu_{43} \\
& -3\mu_{20}^2\mu_{02}^2\mu_{30}\mu_{25} + 3\mu_{20}^2\mu_{02}^2\mu_{21}\mu_{34} - 3\mu_{20}^2\mu_{02}^2\mu_{12}\mu_{43} + 3\mu_{20}^2\mu_{02}^2\mu_{03}\mu_{52} \\
& +24\mu_{20}\mu_{11}^3\mu_{21}\mu_{25} - 16\mu_{20}\mu_{11}^3\mu_{12}\mu_{34} - 8\mu_{20}\mu_{11}^3\mu_{03}\mu_{43} \\
& -12\mu_{20}\mu_{11}^2\mu_{02}\mu_{30}\mu_{25} - 12\mu_{20}\mu_{11}^2\mu_{02}\mu_{21}\mu_{34} + 12\mu_{20}\mu_{11}^2\mu_{02}\mu_{12}\mu_{43} \\
& +12\mu_{20}\mu_{11}^2\mu_{02}\mu_{03}\mu_{52} + 12\mu_{20}\mu_{11}\mu_{02}^2\mu_{30}\mu_{34} - 6\mu_{20}\mu_{11}\mu_{02}^2\mu_{21}\mu_{43} \\
& -6\mu_{20}\mu_{11}\mu_{02}^2\mu_{03}\mu_{61} - 3\mu_{20}\mu_{02}^3\mu_{30}\mu_{43} + 3\mu_{20}\mu_{02}^3\mu_{21}\mu_{52} \\
& -\mu_{20}\mu_{02}^3\mu_{12}\mu_{61} + \mu_{20}\mu_{02}^3\mu_{03}\mu_{70} - 16\mu_{11}^4\mu_{21}\mu_{34} + 16\mu_{11}^4\mu_{12}\mu_{43} \\
& +8\mu_{11}^3\mu_{02}\mu_{30}\mu_{34} + 16\mu_{11}^3\mu_{02}\mu_{21}\mu_{43} - 24\mu_{11}^3\mu_{02}\mu_{12}\mu_{52} - 12\mu_{11}^2\mu_{02}^2\mu_{30}\mu_{43} \\
& +12\mu_{11}^2\mu_{02}^2\mu_{12}\mu_{61} + 6\mu_{11}\mu_{02}^3\mu_{30}\mu_{52} - 4\mu_{11}\mu_{02}^3\mu_{21}\mu_{61} - 2\mu_{11}\mu_{02}^3\mu_{12}\mu_{70} \\
& -\mu_{02}^4\mu_{30}\mu_{61} + \mu_{02}^4\mu_{21}\mu_{70})/\mu_{00}^{15}
\end{aligned}
$$

weight=9
structure: 4,1,0,0,0,1
Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |



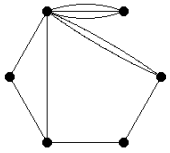
$$
\begin{aligned}
I_{215} \;=\; & (\mu_{20}^2\mu_{30}\mu_{21}\mu_{12}\mu_{07} - \mu_{20}^2\mu_{30}\mu_{21}\mu_{03}\mu_{16} - 2\mu_{20}^2\mu_{30}\mu_{12}^2\mu_{16} \\
& +3\mu_{20}^2\mu_{30}\mu_{12}\mu_{03}\mu_{25} - \mu_{20}^2\mu_{30}\mu_{03}^2\mu_{34} - 3\mu_{20}^2\mu_{21}^2\mu_{12}\mu_{16} \\
& +3\mu_{20}^2\mu_{21}^2\mu_{03}\mu_{25} + 9\mu_{20}^2\mu_{21}\mu_{12}^2\mu_{25} - 13\mu_{20}^2\mu_{21}\mu_{12}\mu_{03}\mu_{34} \\
& +4\mu_{20}^2\mu_{21}\mu_{03}^2\mu_{43} - 6\mu_{20}^2\mu_{12}^3\mu_{34} + 11\mu_{20}^2\mu_{12}^2\mu_{03}\mu_{43} - 6\mu_{20}^2\mu_{12}\mu_{03}^2\mu_{52} \\
& +\mu_{20}^2\mu_{03}^3\mu_{61} - \mu_{20}\mu_{11}\mu_{30}^2\mu_{12}\mu_{07} + \mu_{20}\mu_{11}\mu_{30}^2\mu_{03}\mu_{16} \\
& -2\mu_{20}\mu_{11}\mu_{30}\mu_{21}^2\mu_{07} + 10\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{16} \\
& -6\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{25} - 6\mu_{20}\mu_{11}\mu_{30}\mu_{12}^2\mu_{25} \\
& +4\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{34} + 6\mu_{20}\mu_{11}\mu_{21}^3\mu_{16} - 27\mu_{20}\mu_{11}\mu_{21}^2\mu_{12}\mu_{25} \\
& +11\mu_{20}\mu_{11}\mu_{21}^2\mu_{03}\mu_{34} + 30\mu_{20}\mu_{11}\mu_{21}\mu_{12}^2\mu_{34} - 16\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{43} \\
& -9\mu_{20}\mu_{11}\mu_{12}^3\mu_{43} + 3\mu_{20}\mu_{11}\mu_{12}^2\mu_{03}\mu_{52} + 3\mu_{20}\mu_{11}\mu_{12}\mu_{03}^2\mu_{61} \\
& -\mu_{20}\mu_{11}\mu_{03}^3\mu_{70} + \mu_{20}\mu_{02}\mu_{30}^2\mu_{21}\mu_{07} - \mu_{20}\mu_{02}\mu_{30}^2\mu_{12}\mu_{16} \\
& -4\mu_{20}\mu_{02}\mu_{30}\mu_{21}^2\mu_{16} + 6\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{25} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{12}^2\mu_{34} \\
& +3\mu_{20}\mu_{02}\mu_{21}^3\mu_{25} - 3\mu_{20}\mu_{02}\mu_{21}^2\mu_{12}\mu_{34} - 2\mu_{20}\mu_{02}\mu_{21}^2\mu_{03}\mu_{43} \\
& -3\mu_{20}\mu_{02}\mu_{21}\mu_{12}^2\mu_{43} + 6\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{52} - \mu_{20}\mu_{02}\mu_{21}\mu_{03}^2\mu_{61} \\
& +3\mu_{20}\mu_{02}\mu_{12}^3\mu_{52} - 4\mu_{20}\mu_{02}\mu_{12}^2\mu_{03}\mu_{61} + \mu_{20}\mu_{02}\mu_{12}\mu_{03}^2\mu_{70} \\
& +2\mu_{11}^2\mu_{30}^2\mu_{21}\mu_{07} - 2\mu_{11}^2\mu_{30}^2\mu_{12}\mu_{16} - 8\mu_{11}^2\mu_{30}\mu_{21}^2\mu_{16} \\
& +12\mu_{11}^2\mu_{30}\mu_{21}\mu_{12}\mu_{25} - 4\mu_{11}^2\mu_{30}\mu_{12}^2\mu_{34} + 6\mu_{11}^2\mu_{21}^3\mu_{25} - 6\mu_{11}^2\mu_{21}^2\mu_{12}\mu_{34} \\
& -4\mu_{11}^2\mu_{21}^2\mu_{03}\mu_{43} - 6\mu_{11}^2\mu_{21}\mu_{12}^2\mu_{43} + 12\mu_{11}^2\mu_{21}\mu_{12}\mu_{03}\mu_{52} \\
& -2\mu_{11}^2\mu_{21}\mu_{03}^2\mu_{61} + 6\mu_{11}^2\mu_{12}^3\mu_{52} - 8\mu_{11}^2\mu_{12}^2\mu_{03}\mu_{61} + 2\mu_{11}^2\mu_{12}\mu_{03}^2\mu_{70} \\
& -\mu_{11}\mu_{02}\mu_{30}^3\mu_{07} + 3\mu_{11}\mu_{02}\mu_{30}^2\mu_{21}\mu_{16} + 3\mu_{11}\mu_{02}\mu_{30}\mu_{21}^2\mu_{25} \\
& -16\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{34} + 4\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{43} \\
& +11\mu_{11}\mu_{02}\mu_{30}\mu_{12}^2\mu_{43} - 6\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{52} + \mu_{11}\mu_{02}\mu_{30}\mu_{03}^2\mu_{61} \\
& -9\mu_{11}\mu_{02}\mu_{21}^3\mu_{34} + 30\mu_{11}\mu_{02}\mu_{21}^2\mu_{12}\mu_{43} - 6\mu_{11}\mu_{02}\mu_{21}^2\mu_{03}\mu_{52} \\
& -27\mu_{11}\mu_{02}\mu_{21}\mu_{12}^2\mu_{52} + 10\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{61} - \mu_{11}\mu_{02}\mu_{21}\mu_{03}^2\mu_{70} \\
& +6\mu_{11}\mu_{02}\mu_{12}^3\mu_{61} - 2\mu_{11}\mu_{02}\mu_{12}^2\mu_{03}\mu_{70} + \mu_{02}^2\mu_{30}^3\mu_{16} - 6\mu_{02}^2\mu_{30}^2\mu_{21}\mu_{25} \\
& +4\mu_{02}^2\mu_{30}^2\mu_{12}\mu_{34} - \mu_{02}^2\mu_{30}^2\mu_{03}\mu_{43} + 11\mu_{02}^2\mu_{30}\mu_{21}^2\mu_{34} \\
& -13\mu_{02}^2\mu_{30}\mu_{21}\mu_{12}\mu_{43} + 3\mu_{02}^2\mu_{30}\mu_{21}\mu_{03}\mu_{52} + 3\mu_{02}^2\mu_{30}\mu_{12}^2\mu_{52} \\
& -\mu_{02}^2\mu_{30}\mu_{12}\mu_{03}\mu_{61} - 6\mu_{02}^2\mu_{21}^3\mu_{43} + 9\mu_{02}^2\mu_{21}^2\mu_{12}\mu_{52} - 2\mu_{02}^2\mu_{21}^2\mu_{03}\mu_{61} \\
& -3\mu_{02}^2\mu_{21}\mu_{12}^2\mu_{61} + \mu_{02}^2\mu_{21}\mu_{12}\mu_{03}\mu_{70})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 2,3,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 6 |



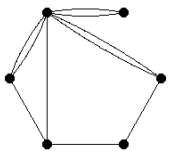
$$
\begin{aligned}
I_{216} \;=\; & (\mu_{20}^2\mu_{30}\mu_{21}\mu_{12}\mu_{07} - \mu_{20}^2\mu_{30}\mu_{21}\mu_{03}\mu_{16} - 2\mu_{20}^2\mu_{30}\mu_{12}^2\mu_{16} \\
& +3\mu_{20}^2\mu_{30}\mu_{12}\mu_{03}\mu_{25} - \mu_{20}^2\mu_{30}\mu_{03}^2\mu_{34} - \mu_{20}^2\mu_{21}^3\mu_{07} + 3\mu_{20}^2\mu_{21}^2\mu_{12}\mu_{16} \\
& -3\mu_{20}^2\mu_{21}\mu_{12}^2\mu_{25} - \mu_{20}^2\mu_{21}\mu_{12}\mu_{03}\mu_{34} + \mu_{20}^2\mu_{21}\mu_{03}^2\mu_{43} + 2\mu_{20}^2\mu_{12}^3\mu_{34} \\
& -\mu_{20}^2\mu_{12}^2\mu_{03}\mu_{43} - \mu_{20}\mu_{11}\mu_{30}^2\mu_{12}\mu_{07} + \mu_{20}\mu_{11}\mu_{30}^2\mu_{03}\mu_{16} \\
& +\mu_{20}\mu_{11}\mu_{30}\mu_{21}^2\mu_{07} - 2\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{16} + 6\mu_{20}\mu_{11}\mu_{30}\mu_{12}^2\mu_{25} \\
& -8\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{34} + 3\mu_{20}\mu_{11}\mu_{30}\mu_{03}^2\mu_{43} + \mu_{20}\mu_{11}\mu_{21}^3\mu_{16} \\
& -6\mu_{20}\mu_{11}\mu_{21}^2\mu_{12}\mu_{25} + 2\mu_{20}\mu_{11}\mu_{21}^2\mu_{03}\mu_{34} + 6\mu_{20}\mu_{11}\mu_{21}\mu_{12}^2\mu_{34} \\
& +2\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{43} - 3\mu_{20}\mu_{11}\mu_{21}\mu_{03}^2\mu_{52} - 5\mu_{20}\mu_{11}\mu_{12}^3\mu_{43} \\
& +3\mu_{20}\mu_{11}\mu_{12}^2\mu_{03}\mu_{52} + \mu_{20}\mu_{02}\mu_{30}^2\mu_{12}\mu_{16} - \mu_{20}\mu_{02}\mu_{30}^2\mu_{03}\mu_{25} \\
& -\mu_{20}\mu_{02}\mu_{30}\mu_{21}^2\mu_{16} + 2\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{34} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{12}^2\mu_{34} \\
& +2\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{43} - \mu_{20}\mu_{02}\mu_{30}\mu_{03}^2\mu_{52} + \mu_{20}\mu_{02}\mu_{21}^3\mu_{25} \\
& -2\mu_{20}\mu_{02}\mu_{21}^2\mu_{03}\mu_{43} + \mu_{20}\mu_{02}\mu_{21}\mu_{03}^2\mu_{61} + \mu_{20}\mu_{02}\mu_{12}^3\mu_{52} \\
& -\mu_{20}\mu_{02}\mu_{12}^2\mu_{03}\mu_{61} + 2\mu_{11}^2\mu_{30}^2\mu_{12}\mu_{16} - 2\mu_{11}^2\mu_{30}^2\mu_{03}\mu_{25} \\
& -2\mu_{11}^2\mu_{30}\mu_{21}^2\mu_{16} + 4\mu_{11}^2\mu_{30}\mu_{21}\mu_{03}\mu_{34} - 4\mu_{11}^2\mu_{30}\mu_{12}^2\mu_{34} \\
& +4\mu_{11}^2\mu_{30}\mu_{12}\mu_{03}\mu_{43} - 2\mu_{11}^2\mu_{30}\mu_{03}^2\mu_{52} + 2\mu_{11}^2\mu_{21}^3\mu_{25} - 4\mu_{11}^2\mu_{21}^2\mu_{03}\mu_{43} \\
& +2\mu_{11}^2\mu_{21}\mu_{03}^2\mu_{61} + 2\mu_{11}^2\mu_{12}^3\mu_{52} - 2\mu_{11}^2\mu_{12}^2\mu_{03}\mu_{61} - 3\mu_{11}\mu_{02}\mu_{30}^2\mu_{12}\mu_{25} \\
& +3\mu_{11}\mu_{02}\mu_{30}^2\mu_{03}\mu_{34} + 3\mu_{11}\mu_{02}\mu_{30}\mu_{21}^2\mu_{25} + 2\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{34} \\
& -8\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{43} + 2\mu_{11}\mu_{02}\mu_{30}\mu_{12}^2\mu_{43} + \mu_{11}\mu_{02}\mu_{30}\mu_{03}^2\mu_{61} \\
& -5\mu_{11}\mu_{02}\mu_{21}^3\mu_{34} + 6\mu_{11}\mu_{02}\mu_{21}^2\mu_{12}\mu_{43} + 6\mu_{11}\mu_{02}\mu_{21}^2\mu_{03}\mu_{52} \\
& -6\mu_{11}\mu_{02}\mu_{21}\mu_{12}^2\mu_{52} - 2\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{61} - \mu_{11}\mu_{02}\mu_{21}\mu_{03}^2\mu_{70} \\
& +\mu_{11}\mu_{02}\mu_{12}^3\mu_{61} + \mu_{11}\mu_{02}\mu_{12}^2\mu_{03}\mu_{70} + \mu_{02}^2\mu_{30}^2\mu_{12}\mu_{34} \\
& -\mu_{02}^2\mu_{30}^2\mu_{03}\mu_{43} - \mu_{02}^2\mu_{30}\mu_{21}^2\mu_{34} - \mu_{02}^2\mu_{30}\mu_{21}\mu_{12}\mu_{43} \\
& +3\mu_{02}^2\mu_{30}\mu_{21}\mu_{03}\mu_{52} - \mu_{02}^2\mu_{30}\mu_{12}\mu_{03}\mu_{61} + 2\mu_{02}^2\mu_{21}^3\mu_{43} \\
& -3\mu_{02}^2\mu_{21}^2\mu_{12}\mu_{52} - 2\mu_{02}^2\mu_{21}^2\mu_{03}\mu_{61} + 3\mu_{02}^2\mu_{21}\mu_{12}^2\mu_{61} \\
& +\mu_{02}^2\mu_{21}\mu_{12}\mu_{03}\mu_{70} - \mu_{02}^2\mu_{12}^3\mu_{70})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 2,3,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |



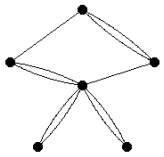
$$
\begin{aligned}
I_{217} \;=\; & (-\mu_{20}^2\mu_{30}^2\mu_{03}\mu_{07} + 3\mu_{20}^2\mu_{30}\mu_{21}\mu_{12}\mu_{07} + 3\mu_{20}^2\mu_{30}\mu_{21}\mu_{03}\mu_{16} \\
& -6\mu_{20}^2\mu_{30}\mu_{12}^2\mu_{16} + 3\mu_{20}^2\mu_{30}\mu_{12}\mu_{03}\mu_{25} - \mu_{20}^2\mu_{30}\mu_{03}^2\mu_{34} - 2\mu_{20}^2\mu_{21}^3\mu_{07} \\
& +3\mu_{20}^2\mu_{21}^2\mu_{12}\mu_{16} - 6\mu_{20}^2\mu_{21}^2\mu_{03}\mu_{25} + 3\mu_{20}^2\mu_{21}\mu_{12}^2\mu_{25} \\
& +3\mu_{20}^2\mu_{21}\mu_{12}\mu_{03}\mu_{34} - 2\mu_{20}^2\mu_{12}^3\mu_{34} + 4\mu_{20}\mu_{11}\mu_{30}^2\mu_{03}\mu_{16} \\
& -12\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{16} - 12\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{25} \\
& +24\mu_{20}\mu_{11}\mu_{30}\mu_{12}^2\mu_{25} - 12\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{34} + 4\mu_{20}\mu_{11}\mu_{30}\mu_{03}^2\mu_{43} \\
& +8\mu_{20}\mu_{11}\mu_{21}^3\mu_{16} - 12\mu_{20}\mu_{11}\mu_{21}^2\mu_{12}\mu_{25} + 24\mu_{20}\mu_{11}\mu_{21}^2\mu_{03}\mu_{34} \\
& -12\mu_{20}\mu_{11}\mu_{21}\mu_{12}^2\mu_{34} - 12\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{43} + 8\mu_{20}\mu_{11}\mu_{12}^3\mu_{43} \\
& -2\mu_{20}\mu_{02}\mu_{30}^2\mu_{03}\mu_{25} + 6\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{25} \\
& +6\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{34} - 12\mu_{20}\mu_{02}\mu_{30}\mu_{12}^2\mu_{34} \\
& +6\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{43} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{03}^2\mu_{52} - 4\mu_{20}\mu_{02}\mu_{21}^3\mu_{25} \\
& +6\mu_{20}\mu_{02}\mu_{21}^2\mu_{12}\mu_{34} - 12\mu_{20}\mu_{02}\mu_{21}^2\mu_{03}\mu_{43} + 6\mu_{20}\mu_{02}\mu_{21}\mu_{12}^2\mu_{43} \\
& +6\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{52} - 4\mu_{20}\mu_{02}\mu_{12}^3\mu_{52} - 4\mu_{11}^2\mu_{30}^2\mu_{03}\mu_{25} \\
& +12\mu_{11}^2\mu_{30}\mu_{21}\mu_{12}\mu_{25} + 12\mu_{11}^2\mu_{30}\mu_{21}\mu_{03}\mu_{34} - 24\mu_{11}^2\mu_{30}\mu_{12}^2\mu_{34} \\
& +12\mu_{11}^2\mu_{30}\mu_{12}\mu_{03}\mu_{43} - 4\mu_{11}^2\mu_{30}\mu_{03}^2\mu_{52} - 8\mu_{11}^2\mu_{21}^3\mu_{25} + 12\mu_{11}^2\mu_{21}^2\mu_{12}\mu_{34} \\
& -24\mu_{11}^2\mu_{21}^2\mu_{03}\mu_{43} + 12\mu_{11}^2\mu_{21}\mu_{12}^2\mu_{43} + 12\mu_{11}^2\mu_{21}\mu_{12}\mu_{03}\mu_{52} - 8\mu_{11}^2\mu_{12}^3\mu_{52} \\
& +4\mu_{11}\mu_{02}\mu_{30}^2\mu_{03}\mu_{34} - 12\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{34} \\
& -12\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{43} + 24\mu_{11}\mu_{02}\mu_{30}\mu_{12}^2\mu_{43} \\
& -12\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{52} + 4\mu_{11}\mu_{02}\mu_{30}\mu_{03}^2\mu_{61} + 8\mu_{11}\mu_{02}\mu_{21}^3\mu_{34} \\
& -12\mu_{11}\mu_{02}\mu_{21}^2\mu_{12}\mu_{43} + 24\mu_{11}\mu_{02}\mu_{21}^2\mu_{03}\mu_{52} - 12\mu_{11}\mu_{02}\mu_{21}\mu_{12}^2\mu_{52} \\
& -12\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{61} + 8\mu_{11}\mu_{02}\mu_{12}^3\mu_{61} - \mu_{02}^2\mu_{30}^2\mu_{03}\mu_{43} \\
& +3\mu_{02}^2\mu_{30}\mu_{21}\mu_{12}\mu_{43} + 3\mu_{02}^2\mu_{30}\mu_{21}\mu_{03}\mu_{52} - 6\mu_{02}^2\mu_{30}\mu_{12}^2\mu_{52} \\
& +3\mu_{02}^2\mu_{30}\mu_{12}\mu_{03}\mu_{61} - \mu_{02}^2\mu_{30}\mu_{03}^2\mu_{70} - 2\mu_{02}^2\mu_{21}^3\mu_{43} + 3\mu_{02}^2\mu_{21}^2\mu_{12}\mu_{52} \\
& -6\mu_{02}^2\mu_{21}^2\mu_{03}\mu_{61} + 3\mu_{02}^2\mu_{21}\mu_{12}^2\mu_{61} + 3\mu_{02}^2\mu_{21}\mu_{12}\mu_{03}\mu_{70} - 2\mu_{02}^2\mu_{12}^3\mu_{70})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 2,3,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 6 |



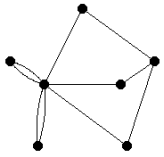
$$
\begin{aligned}
I_{218} \;=\; & (-\mu_{20}^5\mu_{03}\mu_{07} + 3\mu_{20}^4\mu_{11}\mu_{12}\mu_{07} + 7\mu_{20}^4\mu_{11}\mu_{03}\mu_{16} - 3\mu_{20}^4\mu_{02}\mu_{12}\mu_{16} \\
& -2\mu_{20}^4\mu_{02}\mu_{03}\mu_{25} - 3\mu_{20}^3\mu_{11}^2\mu_{21}\mu_{07} - 18\mu_{20}^3\mu_{11}^2\mu_{12}\mu_{16} - 19\mu_{20}^3\mu_{11}^2\mu_{03}\mu_{25} \\
& +6\mu_{20}^3\mu_{11}\mu_{02}\mu_{21}\mu_{16} + 24\mu_{20}^3\mu_{11}\mu_{02}\mu_{12}\mu_{25} + 10\mu_{20}^3\mu_{11}\mu_{02}\mu_{03}\mu_{34} \\
& -3\mu_{20}^3\mu_{02}^2\mu_{21}\mu_{25} - 6\mu_{20}^3\mu_{02}^2\mu_{12}\mu_{34} - \mu_{20}^3\mu_{02}^2\mu_{03}\mu_{43} + \mu_{20}^2\mu_{11}^3\mu_{30}\mu_{07} \\
& +15\mu_{20}^2\mu_{11}^3\mu_{21}\mu_{16} + 39\mu_{20}^2\mu_{11}^3\mu_{12}\mu_{25} + 25\mu_{20}^2\mu_{11}^3\mu_{03}\mu_{34} \\
& -3\mu_{20}^2\mu_{11}^2\mu_{02}\mu_{30}\mu_{16} - 36\mu_{20}^2\mu_{11}^2\mu_{02}\mu_{21}\mu_{25} - 63\mu_{20}^2\mu_{11}^2\mu_{02}\mu_{12}\mu_{34} \\
& -18\mu_{20}^2\mu_{11}^2\mu_{02}\mu_{03}\mu_{43} + 3\mu_{20}^2\mu_{11}\mu_{02}^2\mu_{30}\mu_{25} + 27\mu_{20}^2\mu_{11}\mu_{02}^2\mu_{21}\mu_{34} \\
& +27\mu_{20}^2\mu_{11}\mu_{02}^2\mu_{12}\mu_{43} + 3\mu_{20}^2\mu_{11}\mu_{02}^2\mu_{03}\mu_{52} - \mu_{20}^2\mu_{02}^3\mu_{30}\mu_{34} \\
& -6\mu_{20}^2\mu_{02}^3\mu_{21}\mu_{43} - 3\mu_{20}^2\mu_{02}^3\mu_{12}\mu_{52} - 4\mu_{20}\mu_{11}^4\mu_{30}\mu_{16} - 24\mu_{20}\mu_{11}^4\mu_{21}\mu_{25} \\
& -36\mu_{20}\mu_{11}^4\mu_{12}\mu_{34} - 16\mu_{20}\mu_{11}^4\mu_{03}\mu_{43} + 14\mu_{20}\mu_{11}^3\mu_{02}\mu_{30}\mu_{25} \\
& +66\mu_{20}\mu_{11}^3\mu_{02}\mu_{21}\mu_{34} + 66\mu_{20}\mu_{11}^3\mu_{02}\mu_{12}\mu_{43} + 14\mu_{20}\mu_{11}^3\mu_{02}\mu_{03}\mu_{52} \\
& -18\mu_{20}\mu_{11}^2\mu_{02}^2\mu_{30}\mu_{34} - 63\mu_{20}\mu_{11}^2\mu_{02}^2\mu_{21}\mu_{43} - 36\mu_{20}\mu_{11}^2\mu_{02}^2\mu_{12}\mu_{52} \\
& -3\mu_{20}\mu_{11}^2\mu_{02}^2\mu_{03}\mu_{61} + 10\mu_{20}\mu_{11}\mu_{02}^3\mu_{30}\mu_{43} + 24\mu_{20}\mu_{11}\mu_{02}^3\mu_{21}\mu_{52} \\
& +6\mu_{20}\mu_{11}\mu_{02}^3\mu_{12}\mu_{61} - 2\mu_{20}\mu_{02}^4\mu_{30}\mu_{52} - 3\mu_{20}\mu_{02}^4\mu_{21}\mu_{61} + 4\mu_{11}^5\mu_{30}\mu_{25} \\
& +12\mu_{11}^5\mu_{21}\mu_{34} + 12\mu_{11}^5\mu_{12}\mu_{43} + 4\mu_{11}^5\mu_{03}\mu_{52} - 16\mu_{11}^4\mu_{02}\mu_{30}\mu_{34} \\
& -36\mu_{11}^4\mu_{02}\mu_{21}\mu_{43} - 24\mu_{11}^4\mu_{02}\mu_{12}\mu_{52} - 4\mu_{11}^4\mu_{02}\mu_{03}\mu_{61} + 25\mu_{11}^3\mu_{02}^2\mu_{30}\mu_{43} \\
& +39\mu_{11}^3\mu_{02}^2\mu_{21}\mu_{52} + 15\mu_{11}^3\mu_{02}^2\mu_{12}\mu_{61} + \mu_{11}^3\mu_{02}^2\mu_{03}\mu_{70} - 19\mu_{11}^2\mu_{02}^3\mu_{30}\mu_{52} \\
& -18\mu_{11}^2\mu_{02}^3\mu_{21}\mu_{61} - 3\mu_{11}^2\mu_{02}^3\mu_{12}\mu_{70} + 7\mu_{11}\mu_{02}^4\mu_{30}\mu_{61} + 3\mu_{11}\mu_{02}^4\mu_{21}\mu_{70} \\
& -\mu_{02}^5\mu_{30}\mu_{70})/\mu_{00}^{17}
\end{aligned}
$$

weight=10

structure: 5,1,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 4 |
| 2 | 3 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 7 |



**Simultaneous invariants of the orders 2, 4 and 7**

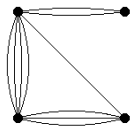
$$
\begin{aligned}
I_{219} \;=\; & (2\mu_{20}\mu_{40}\mu_{43}\mu_{07} - 8\mu_{20}\mu_{40}\mu_{34}\mu_{16} + 6\mu_{20}\mu_{40}\mu_{25}^2 - 4\mu_{20}\mu_{31}\mu_{52}\mu_{07} \\
& +12\mu_{20}\mu_{31}\mu_{43}\mu_{16} - 8\mu_{20}\mu_{31}\mu_{34}\mu_{25} + 3\mu_{20}\mu_{22}\mu_{61}\mu_{07} - 6\mu_{20}\mu_{22}\mu_{52}\mu_{16} \\
& -3\mu_{20}\mu_{22}\mu_{43}\mu_{25} + 6\mu_{20}\mu_{22}\mu_{34}^2 - \mu_{20}\mu_{13}\mu_{70}\mu_{07} + \mu_{20}\mu_{13}\mu_{61}\mu_{16} \\
& +3\mu_{20}\mu_{13}\mu_{52}\mu_{25} - 3\mu_{20}\mu_{13}\mu_{43}\mu_{34} + \mu_{20}\mu_{04}\mu_{70}\mu_{16} - 4\mu_{20}\mu_{04}\mu_{61}\mu_{25} \\
& +7\mu_{20}\mu_{04}\mu_{52}\mu_{34} - 4\mu_{20}\mu_{04}\mu_{43}^2 - 2\mu_{11}\mu_{40}\mu_{52}\mu_{07} + 6\mu_{11}\mu_{40}\mu_{43}\mu_{16} \\
& -4\mu_{11}\mu_{40}\mu_{34}\mu_{25} + 2\mu_{11}\mu_{31}\mu_{61}\mu_{07} + 4\mu_{11}\mu_{31}\mu_{52}\mu_{16} - 34\mu_{11}\mu_{31}\mu_{43}\mu_{25} \\
& +28\mu_{11}\mu_{31}\mu_{34}^2 - 12\mu_{11}\mu_{22}\mu_{61}\mu_{16} + 36\mu_{11}\mu_{22}\mu_{52}\mu_{25} - 24\mu_{11}\mu_{22}\mu_{43}\mu_{34} \\
& +2\mu_{11}\mu_{13}\mu_{70}\mu_{16} + 4\mu_{11}\mu_{13}\mu_{61}\mu_{25} - 34\mu_{11}\mu_{13}\mu_{52}\mu_{34} + 28\mu_{11}\mu_{13}\mu_{43}^2 \\
& -2\mu_{11}\mu_{04}\mu_{70}\mu_{25} + 6\mu_{11}\mu_{04}\mu_{61}\mu_{34} - 4\mu_{11}\mu_{04}\mu_{52}\mu_{43} + \mu_{02}\mu_{40}\mu_{61}\mu_{07} \\
& -4\mu_{02}\mu_{40}\mu_{52}\mu_{16} + 7\mu_{02}\mu_{40}\mu_{43}\mu_{25} - 4\mu_{02}\mu_{40}\mu_{34}^2 - \mu_{02}\mu_{31}\mu_{70}\mu_{07} \\
& +\mu_{02}\mu_{31}\mu_{61}\mu_{16} + 3\mu_{02}\mu_{31}\mu_{52}\mu_{25} - 3\mu_{02}\mu_{31}\mu_{43}\mu_{34} + 3\mu_{02}\mu_{22}\mu_{70}\mu_{16} \\
& -6\mu_{02}\mu_{22}\mu_{61}\mu_{25} - 3\mu_{02}\mu_{22}\mu_{52}\mu_{34} + 6\mu_{02}\mu_{22}\mu_{43}^2 - 4\mu_{02}\mu_{13}\mu_{70}\mu_{25} \\
& +12\mu_{02}\mu_{13}\mu_{61}\mu_{34} - 8\mu_{02}\mu_{13}\mu_{52}\mu_{43} + 2\mu_{02}\mu_{04}\mu_{70}\mu_{34} - 8\mu_{02}\mu_{04}\mu_{61}\mu_{43} \\
& +6\mu_{02}\mu_{04}\mu_{52}^2)/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 1,0,1,0,0,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 |



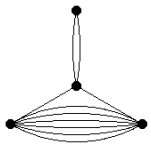
$$
\begin{aligned}
I_{220} \;=\; & (-\mu_{20}\mu_{22}\mu_{61}\mu_{07} + 6\mu_{20}\mu_{22}\mu_{52}\mu_{16} - 15\mu_{20}\mu_{22}\mu_{43}\mu_{25} + 10\mu_{20}\mu_{22}\mu_{34}^2 \\
& +\mu_{20}\mu_{13}\mu_{70}\mu_{07} - 5\mu_{20}\mu_{13}\mu_{61}\mu_{16} + 9\mu_{20}\mu_{13}\mu_{52}\mu_{25} - 5\mu_{20}\mu_{13}\mu_{43}\mu_{34} \\
& -\mu_{20}\mu_{04}\mu_{70}\mu_{16} + 6\mu_{20}\mu_{04}\mu_{61}\mu_{25} - 15\mu_{20}\mu_{04}\mu_{52}\mu_{34} + 10\mu_{20}\mu_{04}\mu_{43}^2 \\
& +2\mu_{11}\mu_{31}\mu_{61}\mu_{07} - 12\mu_{11}\mu_{31}\mu_{52}\mu_{16} + 30\mu_{11}\mu_{31}\mu_{43}\mu_{25} - 20\mu_{11}\mu_{31}\mu_{34}^2 \\
& -2\mu_{11}\mu_{22}\mu_{70}\mu_{07} + 10\mu_{11}\mu_{22}\mu_{61}\mu_{16} - 18\mu_{11}\mu_{22}\mu_{52}\mu_{25} + 10\mu_{11}\mu_{22}\mu_{43}\mu_{34} \\
& +2\mu_{11}\mu_{13}\mu_{70}\mu_{16} - 12\mu_{11}\mu_{13}\mu_{61}\mu_{25} + 30\mu_{11}\mu_{13}\mu_{52}\mu_{34} - 20\mu_{11}\mu_{13}\mu_{43}^2 \\
& -\mu_{02}\mu_{40}\mu_{61}\mu_{07} + 6\mu_{02}\mu_{40}\mu_{52}\mu_{16} - 15\mu_{02}\mu_{40}\mu_{43}\mu_{25} + 10\mu_{02}\mu_{40}\mu_{34}^2 \\
& +\mu_{02}\mu_{31}\mu_{70}\mu_{07} - 5\mu_{02}\mu_{31}\mu_{61}\mu_{16} + 9\mu_{02}\mu_{31}\mu_{52}\mu_{25} - 5\mu_{02}\mu_{31}\mu_{43}\mu_{34} \\
& -\mu_{02}\mu_{22}\mu_{70}\mu_{16} + 6\mu_{02}\mu_{22}\mu_{61}\mu_{25} - 15\mu_{02}\mu_{22}\mu_{52}\mu_{34} + 10\mu_{02}\mu_{22}\mu_{43}^2)/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 1,0,1,0,0,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |



**Simultaneous invariants of the orders 3, 4 and 7**

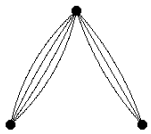
$$\begin{aligned} I_{221} \;=\; & (-\mu_{30}\mu_{40}\mu_{07} + 4\mu_{30}\mu_{31}\mu_{16} - 6\mu_{30}\mu_{22}\mu_{25} + 4\mu_{30}\mu_{13}\mu_{34} - \mu_{30}\mu_{04}\mu_{43} \\ & +3\mu_{21}\mu_{40}\mu_{16} - 12\mu_{21}\mu_{31}\mu_{25} + 18\mu_{21}\mu_{22}\mu_{34} - 12\mu_{21}\mu_{13}\mu_{43} + 3\mu_{21}\mu_{04}\mu_{52} \\ & -3\mu_{12}\mu_{40}\mu_{25} + 12\mu_{12}\mu_{31}\mu_{34} - 18\mu_{12}\mu_{22}\mu_{43} + 12\mu_{12}\mu_{13}\mu_{52} - 3\mu_{12}\mu_{04}\mu_{61} \\ & +\mu_{03}\mu_{40}\mu_{34} - 4\mu_{03}\mu_{31}\mu_{43} + 6\mu_{03}\mu_{22}\mu_{52} - 4\mu_{03}\mu_{13}\mu_{61} + \mu_{03}\mu_{04}\mu_{70})/\mu_{00}^{10} \end{aligned}$$

weight=7

structure: 0,1,1,0,0,1

Generating graph:

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 |



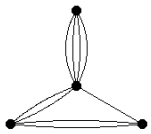
$$\begin{aligned} I_{222} \;=\; & (-\mu_{30}\mu_{40}\mu_{22}\mu_{07} + 2\mu_{30}\mu_{40}\mu_{13}\mu_{16} - \mu_{30}\mu_{40}\mu_{04}\mu_{25} + 4\mu_{30}\mu_{31}\mu_{22}\mu_{16} \\ & -8\mu_{30}\mu_{31}\mu_{13}\mu_{25} + 4\mu_{30}\mu_{31}\mu_{04}\mu_{34} - 6\mu_{30}\mu_{22}^2\mu_{25} + 16\mu_{30}\mu_{22}\mu_{13}\mu_{34} \\ & -7\mu_{30}\mu_{22}\mu_{04}\mu_{43} - 8\mu_{30}\mu_{13}^2\mu_{43} + 6\mu_{30}\mu_{13}\mu_{04}\mu_{52} - \mu_{30}\mu_{04}^2\mu_{61} \\ & +2\mu_{21}\mu_{40}\mu_{31}\mu_{07} - 3\mu_{21}\mu_{40}\mu_{22}\mu_{16} + \mu_{21}\mu_{40}\mu_{04}\mu_{34} - 8\mu_{21}\mu_{31}^2\mu_{16} \\ & +24\mu_{21}\mu_{31}\mu_{22}\mu_{25} - 8\mu_{21}\mu_{31}\mu_{13}\mu_{34} - 2\mu_{21}\mu_{31}\mu_{04}\mu_{43} - 18\mu_{21}\mu_{22}^2\mu_{34} \\ & +12\mu_{21}\mu_{22}\mu_{13}\mu_{43} + 3\mu_{21}\mu_{22}\mu_{04}\mu_{52} - 4\mu_{21}\mu_{13}\mu_{04}\mu_{61} + \mu_{21}\mu_{04}^2\mu_{70} \\ & -\mu_{12}\mu_{40}^2\mu_{07} + 4\mu_{12}\mu_{40}\mu_{31}\mu_{16} - 3\mu_{12}\mu_{40}\mu_{22}\mu_{25} + 2\mu_{12}\mu_{40}\mu_{13}\mu_{34} \\ & -\mu_{12}\mu_{40}\mu_{04}\mu_{43} - 12\mu_{12}\mu_{31}\mu_{22}\mu_{34} + 8\mu_{12}\mu_{31}\mu_{13}\mu_{43} + 18\mu_{12}\mu_{22}^2\mu_{43} \\ & -24\mu_{12}\mu_{22}\mu_{13}\mu_{52} + 3\mu_{12}\mu_{22}\mu_{04}\mu_{61} + 8\mu_{12}\mu_{13}^2\mu_{61} - 2\mu_{12}\mu_{13}\mu_{04}\mu_{70} \\ & +\mu_{03}\mu_{40}^2\mu_{16} - 6\mu_{03}\mu_{40}\mu_{31}\mu_{25} + 7\mu_{03}\mu_{40}\mu_{22}\mu_{34} - 4\mu_{03}\mu_{40}\mu_{13}\mu_{43} \\ & +\mu_{03}\mu_{40}\mu_{04}\mu_{52} + 8\mu_{03}\mu_{31}^2\mu_{34} - 16\mu_{03}\mu_{31}\mu_{22}\mu_{43} + 8\mu_{03}\mu_{31}\mu_{13}\mu_{52} \\ & -2\mu_{03}\mu_{31}\mu_{04}\mu_{61} + 6\mu_{03}\mu_{22}^2\mu_{52} - 4\mu_{03}\mu_{22}\mu_{13}\mu_{61} + \mu_{03}\mu_{22}\mu_{04}\mu_{70})/\mu_{00}^{13} \end{aligned}$$

weight=9

structure: 0,1,2,0,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |



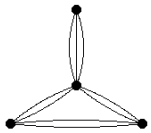
$$
\begin{aligned}
I_{223} \;=\; & (-\mu_{30}\mu_{40}\mu_{22}\mu_{07} + 2\mu_{30}\mu_{40}\mu_{13}\mu_{16} - \mu_{30}\mu_{40}\mu_{04}\mu_{25} + \mu_{30}\mu_{31}^2\mu_{07} \\
& -2\mu_{30}\mu_{31}\mu_{22}\mu_{16} - 2\mu_{30}\mu_{31}\mu_{13}\mu_{25} + 2\mu_{30}\mu_{31}\mu_{04}\mu_{34} + 3\mu_{30}\mu_{22}^2\mu_{25} \\
& -2\mu_{30}\mu_{22}\mu_{13}\mu_{34} - \mu_{30}\mu_{22}\mu_{04}\mu_{43} + \mu_{30}\mu_{13}^2\mu_{43} + 3\mu_{21}\mu_{40}\mu_{22}\mu_{16} \\
& -6\mu_{21}\mu_{40}\mu_{13}\mu_{25} + 3\mu_{21}\mu_{40}\mu_{04}\mu_{34} - 3\mu_{21}\mu_{31}^2\mu_{16} + 6\mu_{21}\mu_{31}\mu_{22}\mu_{25} \\
& +6\mu_{21}\mu_{31}\mu_{13}\mu_{34} - 6\mu_{21}\mu_{31}\mu_{04}\mu_{43} - 9\mu_{21}\mu_{22}^2\mu_{34} + 6\mu_{21}\mu_{22}\mu_{13}\mu_{43} \\
& +3\mu_{21}\mu_{22}\mu_{04}\mu_{52} - 3\mu_{21}\mu_{13}^2\mu_{52} - 3\mu_{12}\mu_{40}\mu_{22}\mu_{25} + 6\mu_{12}\mu_{40}\mu_{13}\mu_{34} \\
& -3\mu_{12}\mu_{40}\mu_{04}\mu_{43} + 3\mu_{12}\mu_{31}^2\mu_{25} - 6\mu_{12}\mu_{31}\mu_{22}\mu_{34} - 6\mu_{12}\mu_{31}\mu_{13}\mu_{43} \\
& +6\mu_{12}\mu_{31}\mu_{04}\mu_{52} + 9\mu_{12}\mu_{22}^2\mu_{43} - 6\mu_{12}\mu_{22}\mu_{13}\mu_{52} - 3\mu_{12}\mu_{22}\mu_{04}\mu_{61} \\
& +3\mu_{12}\mu_{13}^2\mu_{61} + \mu_{03}\mu_{40}\mu_{22}\mu_{34} - 2\mu_{03}\mu_{40}\mu_{13}\mu_{43} + \mu_{03}\mu_{40}\mu_{04}\mu_{52} \\
& -\mu_{03}\mu_{31}^2\mu_{34} + 2\mu_{03}\mu_{31}\mu_{22}\mu_{43} + 2\mu_{03}\mu_{31}\mu_{13}\mu_{52} - 2\mu_{03}\mu_{31}\mu_{04}\mu_{61} \\
& -3\mu_{03}\mu_{22}^2\mu_{52} + 2\mu_{03}\mu_{22}\mu_{13}\mu_{61} + \mu_{03}\mu_{22}\mu_{04}\mu_{70} - \mu_{03}\mu_{13}^2\mu_{70})/\mu_{00}^{13}
\end{aligned}
$$

weight=9

structure: 0,1,2,0,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |



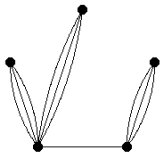
$$
\begin{aligned}
I_{224} \;=\; & (\mu_{30}^3\mu_{13}\mu_{07} - \mu_{30}^3\mu_{04}\mu_{16} - 3\mu_{30}^2\mu_{21}\mu_{22}\mu_{07} - 3\mu_{30}^2\mu_{21}\mu_{13}\mu_{16} \\
& +6\mu_{30}^2\mu_{21}\mu_{04}\mu_{25} + 3\mu_{30}^2\mu_{12}\mu_{31}\mu_{07} - 3\mu_{30}^2\mu_{12}\mu_{22}\mu_{16} + 6\mu_{30}^2\mu_{12}\mu_{13}\mu_{25} \\
& -6\mu_{30}^2\mu_{12}\mu_{04}\mu_{34} - \mu_{30}^2\mu_{03}\mu_{40}\mu_{07} + \mu_{30}^2\mu_{03}\mu_{31}\mu_{16} - 2\mu_{30}^2\mu_{03}\mu_{13}\mu_{34} \\
& +2\mu_{30}^2\mu_{03}\mu_{04}\mu_{43} + 18\mu_{30}\mu_{21}^2\mu_{22}\mu_{16} - 9\mu_{30}\mu_{21}^2\mu_{13}\mu_{25} - 9\mu_{30}\mu_{21}^2\mu_{04}\mu_{34} \\
& -18\mu_{30}\mu_{21}\mu_{12}\mu_{31}\mu_{16} + 18\mu_{30}\mu_{21}\mu_{12}\mu_{04}\mu_{43} + 6\mu_{30}\mu_{21}\mu_{03}\mu_{40}\mu_{16} \\
& -6\mu_{30}\mu_{21}\mu_{03}\mu_{31}\mu_{25} + 6\mu_{30}\mu_{21}\mu_{03}\mu_{22}\mu_{34} - 6\mu_{30}\mu_{21}\mu_{03}\mu_{04}\mu_{52} \\
& +18\mu_{30}\mu_{12}^2\mu_{31}\mu_{25} - 18\mu_{30}\mu_{12}^2\mu_{22}\mu_{34} + 9\mu_{30}\mu_{12}^2\mu_{13}\mu_{43} - 9\mu_{30}\mu_{12}^2\mu_{04}\mu_{52} \\
& -6\mu_{30}\mu_{12}\mu_{03}\mu_{40}\mu_{25} + 6\mu_{30}\mu_{12}\mu_{03}\mu_{22}\mu_{43} - 6\mu_{30}\mu_{12}\mu_{03}\mu_{13}\mu_{52} \\
& +6\mu_{30}\mu_{12}\mu_{03}\mu_{04}\mu_{61} + 2\mu_{30}\mu_{03}^2\mu_{40}\mu_{34} - 2\mu_{30}\mu_{03}^2\mu_{31}\mu_{43} \\
& +\mu_{30}\mu_{03}^2\mu_{13}\mu_{61} - \mu_{30}\mu_{03}^2\mu_{04}\mu_{70} - 27\mu_{21}^3\mu_{22}\mu_{25} + 27\mu_{21}^3\mu_{13}\mu_{34} \\
& +27\mu_{21}^2\mu_{12}\mu_{31}\mu_{25} + 27\mu_{21}^2\mu_{12}\mu_{22}\mu_{34} - 54\mu_{21}^2\mu_{12}\mu_{13}\mu_{43} - 9\mu_{21}^2\mu_{03}\mu_{40}\mu_{25} \\
& +9\mu_{21}^2\mu_{03}\mu_{31}\mu_{34} - 18\mu_{21}^2\mu_{03}\mu_{22}\mu_{43} + 18\mu_{21}^2\mu_{03}\mu_{13}\mu_{52} - 54\mu_{21}\mu_{12}^2\mu_{31}\mu_{34} \\
& +27\mu_{21}\mu_{12}^2\mu_{22}\mu_{43} + 27\mu_{21}\mu_{12}^2\mu_{13}\mu_{52} + 18\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{34} \\
& -18\mu_{21}\mu_{12}\mu_{03}\mu_{13}\mu_{61} - 6\mu_{21}\mu_{03}^2\mu_{40}\mu_{43} + 6\mu_{21}\mu_{03}^2\mu_{31}\mu_{52} \\
& -3\mu_{21}\mu_{03}^2\mu_{22}\mu_{61} + 3\mu_{21}\mu_{03}^2\mu_{13}\mu_{70} + 27\mu_{12}^3\mu_{31}\mu_{43} - 27\mu_{12}^3\mu_{22}\mu_{52} \\
& -9\mu_{12}^2\mu_{03}\mu_{40}\mu_{43} - 9\mu_{12}^2\mu_{03}\mu_{31}\mu_{52} + 18\mu_{12}^2\mu_{03}\mu_{22}\mu_{61} + 6\mu_{12}\mu_{03}^2\mu_{40}\mu_{52} \\
& -3\mu_{12}\mu_{03}^2\mu_{31}\mu_{61} - 3\mu_{12}\mu_{03}^2\mu_{22}\mu_{70} - \mu_{03}^3\mu_{40}\mu_{61} + \mu_{03}^3\mu_{31}\mu_{70})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 0,3,1,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |



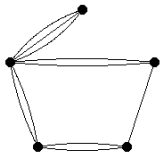
$$
\begin{aligned}
I_{225} \;=\; & (2\mu_{30}^2\mu_{12}\mu_{31}\mu_{07} - 6\mu_{30}^2\mu_{12}\mu_{22}\mu_{16} + 6\mu_{30}^2\mu_{12}\mu_{13}\mu_{25} - 2\mu_{30}^2\mu_{12}\mu_{04}\mu_{34} \\
& -\mu_{30}^2\mu_{03}\mu_{40}\mu_{07} + 2\mu_{30}^2\mu_{03}\mu_{31}\mu_{16} - 2\mu_{30}^2\mu_{03}\mu_{13}\mu_{34} + \mu_{30}^2\mu_{03}\mu_{04}\mu_{43} \\
& -2\mu_{30}\mu_{21}^2\mu_{31}\mu_{07} + 6\mu_{30}\mu_{21}^2\mu_{22}\mu_{16} - 6\mu_{30}\mu_{21}^2\mu_{13}\mu_{25} + 2\mu_{30}\mu_{21}^2\mu_{04}\mu_{34} \\
& +\mu_{30}\mu_{21}\mu_{12}\mu_{40}\mu_{07} - 8\mu_{30}\mu_{21}\mu_{12}\mu_{31}\mu_{16} + 18\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{25} \\
& -16\mu_{30}\mu_{21}\mu_{12}\mu_{13}\mu_{34} + 5\mu_{30}\mu_{21}\mu_{12}\mu_{04}\mu_{43} + 5\mu_{30}\mu_{21}\mu_{03}\mu_{40}\mu_{16} \\
& -12\mu_{30}\mu_{21}\mu_{03}\mu_{31}\mu_{25} + 6\mu_{30}\mu_{21}\mu_{03}\mu_{22}\mu_{34} + 4\mu_{30}\mu_{21}\mu_{03}\mu_{13}\mu_{43} \\
& -3\mu_{30}\mu_{21}\mu_{03}\mu_{04}\mu_{52} - 2\mu_{30}\mu_{12}^2\mu_{40}\mu_{16} + 12\mu_{30}\mu_{12}^2\mu_{31}\mu_{25} \\
& -24\mu_{30}\mu_{12}^2\mu_{22}\mu_{34} + 20\mu_{30}\mu_{12}^2\mu_{13}\mu_{43} - 6\mu_{30}\mu_{12}^2\mu_{04}\mu_{52} \\
& -3\mu_{30}\mu_{12}\mu_{03}\mu_{40}\mu_{25} + 4\mu_{30}\mu_{12}\mu_{03}\mu_{31}\mu_{34} + 6\mu_{30}\mu_{12}\mu_{03}\mu_{22}\mu_{43} \\
& -12\mu_{30}\mu_{12}\mu_{03}\mu_{13}\mu_{52} + 5\mu_{30}\mu_{12}\mu_{03}\mu_{04}\mu_{61} + \mu_{30}\mu_{03}^2\mu_{40}\mu_{34} \\
& -2\mu_{30}\mu_{03}^2\mu_{31}\mu_{43} + 2\mu_{30}\mu_{03}^2\mu_{13}\mu_{61} - \mu_{30}\mu_{03}^2\mu_{04}\mu_{70} + 6\mu_{21}^3\mu_{31}\mu_{16} \\
& -18\mu_{21}^3\mu_{22}\mu_{25} + 18\mu_{21}^3\mu_{13}\mu_{34} - 6\mu_{21}^3\mu_{04}\mu_{43} - 3\mu_{21}^2\mu_{12}\mu_{40}\mu_{16} \\
& +18\mu_{21}^2\mu_{12}\mu_{22}\mu_{34} - 24\mu_{21}^2\mu_{12}\mu_{13}\mu_{43} + 9\mu_{21}^2\mu_{12}\mu_{04}\mu_{52} - 6\mu_{21}^2\mu_{03}\mu_{40}\mu_{25} \\
& +20\mu_{21}^2\mu_{03}\mu_{31}\mu_{34} - 24\mu_{21}^2\mu_{03}\mu_{22}\mu_{43} + 12\mu_{21}^2\mu_{03}\mu_{13}\mu_{52} - 2\mu_{21}^2\mu_{03}\mu_{04}\mu_{61} \\
& +9\mu_{21}\mu_{12}^2\mu_{40}\mu_{25} - 24\mu_{21}\mu_{12}^2\mu_{31}\mu_{34} + 18\mu_{21}\mu_{12}^2\mu_{22}\mu_{43} - 3\mu_{21}\mu_{12}^2\mu_{04}\mu_{61} \\
& +5\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{34} - 16\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{43} + 18\mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{52} \\
& -8\mu_{21}\mu_{12}\mu_{03}\mu_{13}\mu_{61} + \mu_{21}\mu_{12}\mu_{03}\mu_{04}\mu_{70} - 2\mu_{21}\mu_{03}^2\mu_{40}\mu_{43} \\
& +6\mu_{21}\mu_{03}^2\mu_{31}\mu_{52} - 6\mu_{21}\mu_{03}^2\mu_{22}\mu_{61} + 2\mu_{21}\mu_{03}^2\mu_{13}\mu_{70} - 6\mu_{12}^3\mu_{40}\mu_{34} \\
& +18\mu_{12}^3\mu_{31}\mu_{43} - 18\mu_{12}^3\mu_{22}\mu_{52} + 6\mu_{12}^3\mu_{13}\mu_{61} + 2\mu_{12}^2\mu_{03}\mu_{40}\mu_{43} \\
& -6\mu_{12}^2\mu_{03}\mu_{31}\mu_{52} + 6\mu_{12}^2\mu_{03}\mu_{22}\mu_{61} - 2\mu_{12}^2\mu_{03}\mu_{13}\mu_{70})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 0,3,1,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |



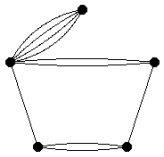
$$
\begin{aligned}
I_{226} \;=\; & (-\mu_{30}^2\mu_{03}\mu_{40}\mu_{07} + 4\mu_{30}^2\mu_{03}\mu_{31}\mu_{16} - 6\mu_{30}^2\mu_{03}\mu_{22}\mu_{25} + 4\mu_{30}^2\mu_{03}\mu_{13}\mu_{34} \\
& -\mu_{30}^2\mu_{03}\mu_{04}\mu_{43} + 3\mu_{30}\mu_{21}\mu_{12}\mu_{40}\mu_{07} - 12\mu_{30}\mu_{21}\mu_{12}\mu_{31}\mu_{16} \\
& +18\mu_{30}\mu_{21}\mu_{12}\mu_{22}\mu_{25} - 12\mu_{30}\mu_{21}\mu_{12}\mu_{13}\mu_{34} + 3\mu_{30}\mu_{21}\mu_{12}\mu_{04}\mu_{43} \\
& +3\mu_{30}\mu_{21}\mu_{03}\mu_{40}\mu_{16} - 12\mu_{30}\mu_{21}\mu_{03}\mu_{31}\mu_{25} + 18\mu_{30}\mu_{21}\mu_{03}\mu_{22}\mu_{34} \\
& -12\mu_{30}\mu_{21}\mu_{03}\mu_{13}\mu_{43} + 3\mu_{30}\mu_{21}\mu_{03}\mu_{04}\mu_{52} - 6\mu_{30}\mu_{12}^2\mu_{40}\mu_{16} \\
& +24\mu_{30}\mu_{12}^2\mu_{31}\mu_{25} - 36\mu_{30}\mu_{12}^2\mu_{22}\mu_{34} + 24\mu_{30}\mu_{12}^2\mu_{13}\mu_{43} - 6\mu_{30}\mu_{12}^2\mu_{04}\mu_{52} \\
& +3\mu_{30}\mu_{12}\mu_{03}\mu_{40}\mu_{25} - 12\mu_{30}\mu_{12}\mu_{03}\mu_{31}\mu_{34} + 18\mu_{30}\mu_{12}\mu_{03}\mu_{22}\mu_{43} \\
& -12\mu_{30}\mu_{12}\mu_{03}\mu_{13}\mu_{52} + 3\mu_{30}\mu_{12}\mu_{03}\mu_{04}\mu_{61} - \mu_{30}\mu_{03}^2\mu_{40}\mu_{34} \\
& +4\mu_{30}\mu_{03}^2\mu_{31}\mu_{43} - 6\mu_{30}\mu_{03}^2\mu_{22}\mu_{52} + 4\mu_{30}\mu_{03}^2\mu_{13}\mu_{61} - \mu_{30}\mu_{03}^2\mu_{04}\mu_{70} \\
& -2\mu_{21}^3\mu_{40}\mu_{07} + 8\mu_{21}^3\mu_{31}\mu_{16} - 12\mu_{21}^3\mu_{22}\mu_{25} + 8\mu_{21}^3\mu_{13}\mu_{34} - 2\mu_{21}^3\mu_{04}\mu_{43} \\
& +3\mu_{21}^2\mu_{12}\mu_{40}\mu_{16} - 12\mu_{21}^2\mu_{12}\mu_{31}\mu_{25} + 18\mu_{21}^2\mu_{12}\mu_{22}\mu_{34} - 12\mu_{21}^2\mu_{12}\mu_{13}\mu_{43} \\
& +3\mu_{21}^2\mu_{12}\mu_{04}\mu_{52} - 6\mu_{21}^2\mu_{03}\mu_{40}\mu_{25} + 24\mu_{21}^2\mu_{03}\mu_{31}\mu_{34} - 36\mu_{21}^2\mu_{03}\mu_{22}\mu_{43} \\
& +24\mu_{21}^2\mu_{03}\mu_{13}\mu_{52} - 6\mu_{21}^2\mu_{03}\mu_{04}\mu_{61} + 3\mu_{21}\mu_{12}^2\mu_{40}\mu_{25} - 12\mu_{21}\mu_{12}^2\mu_{31}\mu_{34} \\
& +18\mu_{21}\mu_{12}^2\mu_{22}\mu_{43} - 12\mu_{21}\mu_{12}^2\mu_{13}\mu_{52} + 3\mu_{21}\mu_{12}^2\mu_{04}\mu_{61} \\
& +3\mu_{21}\mu_{12}\mu_{03}\mu_{40}\mu_{34} - 12\mu_{21}\mu_{12}\mu_{03}\mu_{31}\mu_{43} + 18\mu_{21}\mu_{12}\mu_{03}\mu_{22}\mu_{52} \\
& -12\mu_{21}\mu_{12}\mu_{03}\mu_{13}\mu_{61} + 3\mu_{21}\mu_{12}\mu_{03}\mu_{04}\mu_{70} - 2\mu_{12}^3\mu_{40}\mu_{34} + 8\mu_{12}^3\mu_{31}\mu_{43} \\
& -12\mu_{12}^3\mu_{22}\mu_{52} + 8\mu_{12}^3\mu_{13}\mu_{61} - 2\mu_{12}^3\mu_{04}\mu_{70})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 0,3,1,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |



**Simultaneous invariants of the orders 2, 5 and 7**

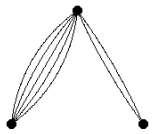
$$
\begin{aligned}
I_{227} \;=\; & (-\mu_{20}\mu_{50}\mu_{07} + 5\mu_{20}\mu_{41}\mu_{16} - 10\mu_{20}\mu_{32}\mu_{25} + 10\mu_{20}\mu_{23}\mu_{34} - 5\mu_{20}\mu_{14}\mu_{43} \\
& +\mu_{20}\mu_{05}\mu_{52} + 2\mu_{11}\mu_{50}\mu_{16} - 10\mu_{11}\mu_{41}\mu_{25} + 20\mu_{11}\mu_{32}\mu_{34} - 20\mu_{11}\mu_{23}\mu_{43} \\
& +10\mu_{11}\mu_{14}\mu_{52} - 2\mu_{11}\mu_{05}\mu_{61} - \mu_{02}\mu_{50}\mu_{25} + 5\mu_{02}\mu_{41}\mu_{34} - 10\mu_{02}\mu_{32}\mu_{43} \\
& +10\mu_{02}\mu_{23}\mu_{52} - 5\mu_{02}\mu_{14}\mu_{61} + \mu_{02}\mu_{05}\mu_{70})/\mu_{00}^{10}
\end{aligned}
$$

weight=7

structure: 1,0,0,1,0,1

Generating graph:

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 3 | 3 |



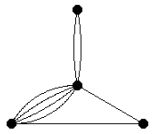
$$
\begin{aligned}
I_{228} \;=\; & (\mu_{20}^2\mu_{41}\mu_{07} - 4\mu_{20}^2\mu_{32}\mu_{16} + 6\mu_{20}^2\mu_{23}\mu_{25} - 4\mu_{20}^2\mu_{14}\mu_{34} + \mu_{20}^2\mu_{05}\mu_{43} \\
& -\mu_{20}\mu_{11}\mu_{50}\mu_{07} + \mu_{20}\mu_{11}\mu_{41}\mu_{16} + 6\mu_{20}\mu_{11}\mu_{32}\mu_{25} - 14\mu_{20}\mu_{11}\mu_{23}\mu_{34} \\
& +11\mu_{20}\mu_{11}\mu_{14}\mu_{43} - 3\mu_{20}\mu_{11}\mu_{05}\mu_{52} + \mu_{20}\mu_{02}\mu_{50}\mu_{16} - 3\mu_{20}\mu_{02}\mu_{41}\mu_{25} \\
& +2\mu_{20}\mu_{02}\mu_{32}\mu_{34} + 2\mu_{20}\mu_{02}\mu_{23}\mu_{43} - 3\mu_{20}\mu_{02}\mu_{14}\mu_{52} + \mu_{20}\mu_{02}\mu_{05}\mu_{61} \\
& +2\mu_{11}^2\mu_{50}\mu_{16} - 6\mu_{11}^2\mu_{41}\mu_{25} + 4\mu_{11}^2\mu_{32}\mu_{34} + 4\mu_{11}^2\mu_{23}\mu_{43} - 6\mu_{11}^2\mu_{14}\mu_{52} \\
& +2\mu_{11}^2\mu_{05}\mu_{61} - 3\mu_{11}\mu_{02}\mu_{50}\mu_{25} + 11\mu_{11}\mu_{02}\mu_{41}\mu_{34} - 14\mu_{11}\mu_{02}\mu_{32}\mu_{43} \\
& +6\mu_{11}\mu_{02}\mu_{23}\mu_{52} + \mu_{11}\mu_{02}\mu_{14}\mu_{61} - \mu_{11}\mu_{02}\mu_{05}\mu_{70} + \mu_{02}^2\mu_{50}\mu_{34} \\
& -4\mu_{02}^2\mu_{41}\mu_{43} + 6\mu_{02}^2\mu_{32}\mu_{52} - 4\mu_{02}^2\mu_{23}\mu_{61} + \mu_{02}^2\mu_{14}\mu_{70})/\mu_{00}^{12}
\end{aligned}
$$

weight=8

structure: 2,0,0,1,0,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 |



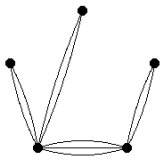
$$
\begin{aligned}
I_{229} \;=\; & (-\mu_{20}^3\mu_{32}\mu_{07} + 3\mu_{20}^3\mu_{23}\mu_{16} - 3\mu_{20}^3\mu_{14}\mu_{25} + \mu_{20}^3\mu_{05}\mu_{34} + 2\mu_{20}^2\mu_{11}\mu_{41}\mu_{07} \\
& -2\mu_{20}^2\mu_{11}\mu_{32}\mu_{16} - 6\mu_{20}^2\mu_{11}\mu_{23}\mu_{25} + 10\mu_{20}^2\mu_{11}\mu_{14}\mu_{34} - 4\mu_{20}^2\mu_{11}\mu_{05}\mu_{43} \\
& -\mu_{20}^2\mu_{02}\mu_{50}\mu_{07} + 3\mu_{20}^2\mu_{02}\mu_{41}\mu_{16} - 5\mu_{20}^2\mu_{02}\mu_{32}\mu_{25} + 7\mu_{20}^2\mu_{02}\mu_{23}\mu_{34} \\
& -6\mu_{20}^2\mu_{02}\mu_{14}\mu_{43} + 2\mu_{20}^2\mu_{02}\mu_{05}\mu_{52} - 8\mu_{20}\mu_{11}^2\mu_{41}\mu_{16} + 20\mu_{20}\mu_{11}^2\mu_{32}\mu_{25} \\
& -12\mu_{20}\mu_{11}^2\mu_{23}\mu_{34} - 4\mu_{20}\mu_{11}^2\mu_{14}\mu_{43} + 4\mu_{20}\mu_{11}^2\mu_{05}\mu_{52} \\
& +4\mu_{20}\mu_{11}\mu_{02}\mu_{50}\mu_{16} - 8\mu_{20}\mu_{11}\mu_{02}\mu_{41}\mu_{25} + 4\mu_{20}\mu_{11}\mu_{02}\mu_{32}\mu_{34} \\
& -4\mu_{20}\mu_{11}\mu_{02}\mu_{23}\mu_{43} + 8\mu_{20}\mu_{11}\mu_{02}\mu_{14}\mu_{52} - 4\mu_{20}\mu_{11}\mu_{02}\mu_{05}\mu_{61} \\
& -2\mu_{20}\mu_{02}^2\mu_{50}\mu_{25} + 6\mu_{20}\mu_{02}^2\mu_{41}\mu_{34} - 7\mu_{20}\mu_{02}^2\mu_{32}\mu_{43} + 5\mu_{20}\mu_{02}^2\mu_{23}\mu_{52} \\
& -3\mu_{20}\mu_{02}^2\mu_{14}\mu_{61} + \mu_{20}\mu_{02}^2\mu_{05}\mu_{70} + 8\mu_{11}^3\mu_{41}\mu_{25} - 24\mu_{11}^3\mu_{32}\mu_{34} \\
& +24\mu_{11}^3\mu_{23}\mu_{43} - 8\mu_{11}^3\mu_{14}\mu_{52} - 4\mu_{11}^2\mu_{02}\mu_{50}\mu_{25} + 4\mu_{11}^2\mu_{02}\mu_{41}\mu_{34} \\
& +12\mu_{11}^2\mu_{02}\mu_{32}\mu_{43} - 20\mu_{11}^2\mu_{02}\mu_{23}\mu_{52} + 8\mu_{11}^2\mu_{02}\mu_{14}\mu_{61} + 4\mu_{11}\mu_{02}^2\mu_{50}\mu_{34} \\
& -10\mu_{11}\mu_{02}^2\mu_{41}\mu_{43} + 6\mu_{11}\mu_{02}^2\mu_{32}\mu_{52} + 2\mu_{11}\mu_{02}^2\mu_{23}\mu_{61} - 2\mu_{11}\mu_{02}^2\mu_{14}\mu_{70} \\
& -\mu_{02}^3\mu_{50}\mu_{43} + 3\mu_{02}^3\mu_{41}\mu_{52} - 3\mu_{02}^3\mu_{32}\mu_{61} + \mu_{02}^3\mu_{23}\mu_{70})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 3,0,0,1,0,1

Generating graph:

$$\begin{array}{cccccccccc} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 2 & 2 \\ 2 & 2 & 2 & 3 & 3 & 4 & 4 & 5 & 5 \end{array}$$



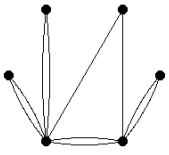
$$\begin{aligned} I_{230} \;=\; & (\mu_{20}^4\mu_{23}\mu_{07} - 2\mu_{20}^4\mu_{14}\mu_{16} + \mu_{20}^4\mu_{05}\mu_{25} - 3\mu_{20}^3\mu_{11}\mu_{32}\mu_{07} \\ & +\mu_{20}^3\mu_{11}\mu_{23}\mu_{16} + 7\mu_{20}^3\mu_{11}\mu_{14}\mu_{25} - 5\mu_{20}^3\mu_{11}\mu_{05}\mu_{34} + \mu_{20}^3\mu_{02}\mu_{41}\mu_{07} \\ & -\mu_{20}^3\mu_{02}\mu_{32}\mu_{16} + \mu_{20}^3\mu_{02}\mu_{23}\mu_{25} - 3\mu_{20}^3\mu_{02}\mu_{14}\mu_{34} + 2\mu_{20}^3\mu_{02}\mu_{05}\mu_{43} \\ & +2\mu_{20}^2\mu_{11}^2\mu_{41}\mu_{07} + 10\mu_{20}^2\mu_{11}^2\mu_{32}\mu_{16} - 18\mu_{20}^2\mu_{11}^2\mu_{23}\mu_{25} - 2\mu_{20}^2\mu_{11}^2\mu_{14}\mu_{34} \\ & +8\mu_{20}^2\mu_{11}^2\mu_{05}\mu_{43} - \mu_{20}^2\mu_{11}\mu_{02}\mu_{50}\mu_{07} - 5\mu_{20}^2\mu_{11}\mu_{02}\mu_{41}\mu_{16} \\ & +3\mu_{20}^2\mu_{11}\mu_{02}\mu_{32}\mu_{25} + 7\mu_{20}^2\mu_{11}\mu_{02}\mu_{23}\mu_{34} + 2\mu_{20}^2\mu_{11}\mu_{02}\mu_{14}\mu_{43} \\ & -6\mu_{20}^2\mu_{11}\mu_{02}\mu_{05}\mu_{52} + \mu_{20}^2\mu_{02}^2\mu_{50}\mu_{16} - \mu_{20}^2\mu_{02}^2\mu_{32}\mu_{34} \\ & -\mu_{20}^2\mu_{02}^2\mu_{23}\mu_{43} + \mu_{20}^2\mu_{02}^2\mu_{05}\mu_{61} - 8\mu_{20}\mu_{11}^3\mu_{41}\mu_{16} - 4\mu_{20}\mu_{11}^3\mu_{32}\mu_{25} \\ & +28\mu_{20}\mu_{11}^3\mu_{23}\mu_{34} - 12\mu_{20}\mu_{11}^3\mu_{14}\mu_{43} - 4\mu_{20}\mu_{11}^3\mu_{05}\mu_{52} \\ & +4\mu_{20}\mu_{11}^2\mu_{02}\mu_{50}\mu_{16} + 12\mu_{20}\mu_{11}^2\mu_{02}\mu_{41}\mu_{25} - 16\mu_{20}\mu_{11}^2\mu_{02}\mu_{32}\mu_{34} \\ & -16\mu_{20}\mu_{11}^2\mu_{02}\mu_{23}\mu_{43} + 12\mu_{20}\mu_{11}^2\mu_{02}\mu_{14}\mu_{52} + 4\mu_{20}\mu_{11}^2\mu_{02}\mu_{05}\mu_{61} \\ & -6\mu_{20}\mu_{11}\mu_{02}^2\mu_{50}\mu_{25} + 2\mu_{20}\mu_{11}\mu_{02}^2\mu_{41}\mu_{34} + 7\mu_{20}\mu_{11}\mu_{02}^2\mu_{32}\mu_{43} \\ & +3\mu_{20}\mu_{11}\mu_{02}^2\mu_{23}\mu_{52} - 5\mu_{20}\mu_{11}\mu_{02}^2\mu_{14}\mu_{61} - \mu_{20}\mu_{11}\mu_{02}^2\mu_{05}\mu_{70} \\ & +2\mu_{20}\mu_{02}^3\mu_{50}\mu_{34} - 3\mu_{20}\mu_{02}^3\mu_{41}\mu_{43} + \mu_{20}\mu_{02}^3\mu_{32}\mu_{52} - \mu_{20}\mu_{02}^3\mu_{23}\mu_{61} \\ & +\mu_{20}\mu_{02}^3\mu_{14}\mu_{70} + 8\mu_{11}^4\mu_{41}\mu_{25} - 8\mu_{11}^4\mu_{32}\mu_{34} - 8\mu_{11}^4\mu_{23}\mu_{43} + 8\mu_{11}^4\mu_{14}\mu_{52} \\ & -4\mu_{11}^3\mu_{02}\mu_{50}\mu_{25} - 12\mu_{11}^3\mu_{02}\mu_{41}\mu_{34} + 28\mu_{11}^3\mu_{02}\mu_{32}\mu_{43} - 4\mu_{11}^3\mu_{02}\mu_{23}\mu_{52} \\ & -8\mu_{11}^3\mu_{02}\mu_{14}\mu_{61} + 8\mu_{11}^2\mu_{02}^2\mu_{50}\mu_{34} - 2\mu_{11}^2\mu_{02}^2\mu_{41}\mu_{43} - 18\mu_{11}^2\mu_{02}^2\mu_{32}\mu_{52} \\ & +10\mu_{11}^2\mu_{02}^2\mu_{23}\mu_{61} + 2\mu_{11}^2\mu_{02}^2\mu_{14}\mu_{70} - 5\mu_{11}\mu_{02}^3\mu_{50}\mu_{43} + 7\mu_{11}\mu_{02}^3\mu_{41}\mu_{52} \\ & +\mu_{11}\mu_{02}^3\mu_{32}\mu_{61} - 3\mu_{11}\mu_{02}^3\mu_{23}\mu_{70} + \mu_{02}^4\mu_{50}\mu_{52} - 2\mu_{02}^4\mu_{41}\mu_{61} \\ & +\mu_{02}^4\mu_{32}\mu_{70})/\mu_{00}^{16} \end{aligned}$$

weight=10

structure: 4,0,0,1,0,1

Generating graph:

$$\begin{array}{cccccccccc} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 2 & 2 & 2 \\ 2 & 2 & 3 & 3 & 4 & 4 & 5 & 5 & 6 & 6 \end{array}$$



**Simultaneous invariants of the orders 3, 5 and 7**

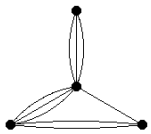
$$
\begin{aligned}
I_{231} \;=\; & (-\mu_{30}^2\mu_{32}\mu_{07} + 3\mu_{30}^2\mu_{23}\mu_{16} - 3\mu_{30}^2\mu_{14}\mu_{25} + \mu_{30}^2\mu_{05}\mu_{34} + 2\mu_{30}\mu_{21}\mu_{41}\mu_{07} \\
& -2\mu_{30}\mu_{21}\mu_{32}\mu_{16} - 6\mu_{30}\mu_{21}\mu_{23}\mu_{25} + 10\mu_{30}\mu_{21}\mu_{14}\mu_{34} - 4\mu_{30}\mu_{21}\mu_{05}\mu_{43} \\
& -\mu_{30}\mu_{12}\mu_{50}\mu_{07} + \mu_{30}\mu_{12}\mu_{41}\mu_{16} + 4\mu_{30}\mu_{12}\mu_{23}\mu_{34} - 7\mu_{30}\mu_{12}\mu_{14}\mu_{43} \\
& +3\mu_{30}\mu_{12}\mu_{05}\mu_{52} + \mu_{30}\mu_{03}\mu_{50}\mu_{16} - 3\mu_{30}\mu_{03}\mu_{41}\mu_{25} + 4\mu_{30}\mu_{03}\mu_{32}\mu_{34} \\
& -4\mu_{30}\mu_{03}\mu_{23}\mu_{43} + 3\mu_{30}\mu_{03}\mu_{14}\mu_{52} - \mu_{30}\mu_{03}\mu_{05}\mu_{61} - 6\mu_{21}^2\mu_{41}\mu_{16} \\
& +15\mu_{21}^2\mu_{32}\mu_{25} - 9\mu_{21}^2\mu_{23}\mu_{34} - 3\mu_{21}^2\mu_{14}\mu_{43} + 3\mu_{21}^2\mu_{05}\mu_{52} + 3\mu_{21}\mu_{12}\mu_{50}\mu_{16} \\
& +3\mu_{21}\mu_{12}\mu_{41}\mu_{25} - 24\mu_{21}\mu_{12}\mu_{32}\mu_{34} + 24\mu_{21}\mu_{12}\mu_{23}\mu_{43} - 3\mu_{21}\mu_{12}\mu_{14}\mu_{52} \\
& -3\mu_{21}\mu_{12}\mu_{05}\mu_{61} - 3\mu_{21}\mu_{03}\mu_{50}\mu_{25} + 7\mu_{21}\mu_{03}\mu_{41}\mu_{34} - 4\mu_{21}\mu_{03}\mu_{32}\mu_{43} \\
& -\mu_{21}\mu_{03}\mu_{14}\mu_{61} + \mu_{21}\mu_{03}\mu_{05}\mu_{70} - 3\mu_{12}^2\mu_{50}\mu_{25} + 3\mu_{12}^2\mu_{41}\mu_{34} \\
& +9\mu_{12}^2\mu_{32}\mu_{43} - 15\mu_{12}^2\mu_{23}\mu_{52} + 6\mu_{12}^2\mu_{14}\mu_{61} + 4\mu_{12}\mu_{03}\mu_{50}\mu_{34} \\
& -10\mu_{12}\mu_{03}\mu_{41}\mu_{43} + 6\mu_{12}\mu_{03}\mu_{32}\mu_{52} + 2\mu_{12}\mu_{03}\mu_{23}\mu_{61} - 2\mu_{12}\mu_{03}\mu_{14}\mu_{70} \\
& -\mu_{03}^2\mu_{50}\mu_{43} + 3\mu_{03}^2\mu_{41}\mu_{52} - 3\mu_{03}^2\mu_{32}\mu_{61} + \mu_{03}^2\mu_{23}\mu_{70})/\mu_{00}^{13}
\end{aligned}
$$

weight=9

structure: 0,2,0,1,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 |



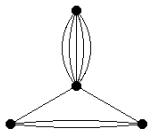
$$
\begin{aligned}
I_{232} \;=\; & (-\mu_{30}\mu_{12}\mu_{50}\mu_{07} + 5\mu_{30}\mu_{12}\mu_{41}\mu_{16} - 10\mu_{30}\mu_{12}\mu_{32}\mu_{25} + 10\mu_{30}\mu_{12}\mu_{23}\mu_{34} \\
& -5\mu_{30}\mu_{12}\mu_{14}\mu_{43} + \mu_{30}\mu_{12}\mu_{05}\mu_{52} + \mu_{30}\mu_{03}\mu_{50}\mu_{16} - 5\mu_{30}\mu_{03}\mu_{41}\mu_{25} \\
& +10\mu_{30}\mu_{03}\mu_{32}\mu_{34} - 10\mu_{30}\mu_{03}\mu_{23}\mu_{43} + 5\mu_{30}\mu_{03}\mu_{14}\mu_{52} - \mu_{30}\mu_{03}\mu_{05}\mu_{61} \\
& +\mu_{21}^2\mu_{50}\mu_{07} - 5\mu_{21}^2\mu_{41}\mu_{16} + 10\mu_{21}^2\mu_{32}\mu_{25} - 10\mu_{21}^2\mu_{23}\mu_{34} + 5\mu_{21}^2\mu_{14}\mu_{43} \\
& -\mu_{21}^2\mu_{05}\mu_{52} - \mu_{21}\mu_{12}\mu_{50}\mu_{16} + 5\mu_{21}\mu_{12}\mu_{41}\mu_{25} - 10\mu_{21}\mu_{12}\mu_{32}\mu_{34} \\
& +10\mu_{21}\mu_{12}\mu_{23}\mu_{43} - 5\mu_{21}\mu_{12}\mu_{14}\mu_{52} + \mu_{21}\mu_{12}\mu_{05}\mu_{61} - \mu_{21}\mu_{03}\mu_{50}\mu_{25} \\
& +5\mu_{21}\mu_{03}\mu_{41}\mu_{34} - 10\mu_{21}\mu_{03}\mu_{32}\mu_{43} + 10\mu_{21}\mu_{03}\mu_{23}\mu_{52} - 5\mu_{21}\mu_{03}\mu_{14}\mu_{61} \\
& +\mu_{21}\mu_{03}\mu_{05}\mu_{70} + \mu_{12}^2\mu_{50}\mu_{25} - 5\mu_{12}^2\mu_{41}\mu_{34} + 10\mu_{12}^2\mu_{32}\mu_{43} - 10\mu_{12}^2\mu_{23}\mu_{52} \\
& +5\mu_{12}^2\mu_{14}\mu_{61} - \mu_{12}^2\mu_{05}\mu_{70})/\mu_{00}^{13}
\end{aligned}
$$

weight=9

structure: 0,2,0,1,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |



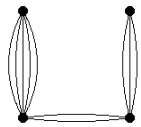
$$
\begin{aligned}
I_{233} \;=\; & (\mu_{30}\mu_{50}\mu_{23}\mu_{07} - 2\mu_{30}\mu_{50}\mu_{14}\mu_{16} + \mu_{30}\mu_{50}\mu_{05}\mu_{25} - 5\mu_{30}\mu_{41}\mu_{23}\mu_{16} \\
& +10\mu_{30}\mu_{41}\mu_{14}\mu_{25} - 5\mu_{30}\mu_{41}\mu_{05}\mu_{34} + 10\mu_{30}\mu_{32}\mu_{23}\mu_{25} - 20\mu_{30}\mu_{32}\mu_{14}\mu_{34} \\
& +10\mu_{30}\mu_{32}\mu_{05}\mu_{43} - 10\mu_{30}\mu_{23}^2\mu_{34} + 25\mu_{30}\mu_{23}\mu_{14}\mu_{43} - 11\mu_{30}\mu_{23}\mu_{05}\mu_{52} \\
& -10\mu_{30}\mu_{14}^2\mu_{52} + 7\mu_{30}\mu_{14}\mu_{05}\mu_{61} - \mu_{30}\mu_{05}^2\mu_{70} - 3\mu_{21}\mu_{50}\mu_{32}\mu_{07} \\
& +6\mu_{21}\mu_{50}\mu_{23}\mu_{16} - 3\mu_{21}\mu_{50}\mu_{14}\mu_{25} + 15\mu_{21}\mu_{41}\mu_{32}\mu_{16} - 30\mu_{21}\mu_{41}\mu_{23}\mu_{25} \\
& +15\mu_{21}\mu_{41}\mu_{14}\mu_{34} - 30\mu_{21}\mu_{32}^2\mu_{25} + 90\mu_{21}\mu_{32}\mu_{23}\mu_{34} - 45\mu_{21}\mu_{32}\mu_{14}\mu_{43} \\
& +3\mu_{21}\mu_{32}\mu_{05}\mu_{52} - 60\mu_{21}\mu_{23}^2\mu_{43} + 60\mu_{21}\mu_{23}\mu_{14}\mu_{52} - 6\mu_{21}\mu_{23}\mu_{05}\mu_{61} \\
& -15\mu_{21}\mu_{14}^2\mu_{61} + 3\mu_{21}\mu_{14}\mu_{05}\mu_{70} + 3\mu_{12}\mu_{50}\mu_{41}\mu_{07} - 6\mu_{12}\mu_{50}\mu_{32}\mu_{16} \\
& +3\mu_{12}\mu_{50}\mu_{23}\mu_{25} - 15\mu_{12}\mu_{41}^2\mu_{16} + 60\mu_{12}\mu_{41}\mu_{32}\mu_{25} - 45\mu_{12}\mu_{41}\mu_{23}\mu_{34} \\
& +15\mu_{12}\mu_{41}\mu_{14}\mu_{43} - 3\mu_{12}\mu_{41}\mu_{05}\mu_{52} - 60\mu_{12}\mu_{32}^2\mu_{34} + 90\mu_{12}\mu_{32}\mu_{23}\mu_{43} \\
& -30\mu_{12}\mu_{32}\mu_{14}\mu_{52} + 6\mu_{12}\mu_{32}\mu_{05}\mu_{61} - 30\mu_{12}\mu_{23}^2\mu_{52} + 15\mu_{12}\mu_{23}\mu_{14}\mu_{61} \\
& -3\mu_{12}\mu_{23}\mu_{05}\mu_{70} - \mu_{03}\mu_{50}^2\mu_{07} + 7\mu_{03}\mu_{50}\mu_{41}\mu_{16} - 11\mu_{03}\mu_{50}\mu_{32}\mu_{25} \\
& +10\mu_{03}\mu_{50}\mu_{23}\mu_{34} - 5\mu_{03}\mu_{50}\mu_{14}\mu_{43} + \mu_{03}\mu_{50}\mu_{05}\mu_{52} - 10\mu_{03}\mu_{41}^2\mu_{25} \\
& +25\mu_{03}\mu_{41}\mu_{32}\mu_{34} - 20\mu_{03}\mu_{41}\mu_{23}\mu_{43} + 10\mu_{03}\mu_{41}\mu_{14}\mu_{52} - 2\mu_{03}\mu_{41}\mu_{05}\mu_{61} \\
& -10\mu_{03}\mu_{32}^2\mu_{43} + 10\mu_{03}\mu_{32}\mu_{23}\mu_{52} - 5\mu_{03}\mu_{32}\mu_{14}\mu_{61} + \mu_{03}\mu_{32}\mu_{05}\mu_{70})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,1,0,2,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |



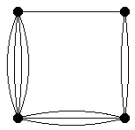
$$
\begin{aligned}
I_{234} \;=\; & (\mu_{30}\mu_{41}\mu_{32}\mu_{07} - 3\mu_{30}\mu_{41}\mu_{23}\mu_{16} + 3\mu_{30}\mu_{41}\mu_{14}\mu_{25} - \mu_{30}\mu_{41}\mu_{05}\mu_{34} \\
& -4\mu_{30}\mu_{32}^2\mu_{16} + 18\mu_{30}\mu_{32}\mu_{23}\mu_{25} - 16\mu_{30}\mu_{32}\mu_{14}\mu_{34} + 5\mu_{30}\mu_{32}\mu_{05}\mu_{43} \\
& -18\mu_{30}\mu_{23}^2\mu_{34} + 30\mu_{30}\mu_{23}\mu_{14}\mu_{43} - 9\mu_{30}\mu_{23}\mu_{05}\mu_{52} - 12\mu_{30}\mu_{14}^2\mu_{52} \\
& +7\mu_{30}\mu_{14}\mu_{05}\mu_{61} - \mu_{30}\mu_{05}^2\mu_{70} - \mu_{21}\mu_{50}\mu_{32}\mu_{07} + 3\mu_{21}\mu_{50}\mu_{23}\mu_{16} \\
& -3\mu_{21}\mu_{50}\mu_{14}\mu_{25} + \mu_{21}\mu_{50}\mu_{05}\mu_{34} - 2\mu_{21}\mu_{41}^2\mu_{07} + 18\mu_{21}\mu_{41}\mu_{32}\mu_{16} \\
& -30\mu_{21}\mu_{41}\mu_{23}\mu_{25} + 22\mu_{21}\mu_{41}\mu_{14}\mu_{34} - 6\mu_{21}\mu_{41}\mu_{05}\mu_{43} - 30\mu_{21}\mu_{32}^2\mu_{25} \\
& +82\mu_{21}\mu_{32}\mu_{23}\mu_{34} - 51\mu_{21}\mu_{32}\mu_{14}\mu_{43} + 12\mu_{21}\mu_{32}\mu_{05}\mu_{52} - 48\mu_{21}\mu_{23}^2\mu_{43} \\
& +51\mu_{21}\mu_{23}\mu_{14}\mu_{52} - 10\mu_{21}\mu_{23}\mu_{05}\mu_{61} - 11\mu_{21}\mu_{14}^2\mu_{61} + 3\mu_{21}\mu_{14}\mu_{05}\mu_{70} \\
& +3\mu_{12}\mu_{50}\mu_{41}\mu_{07} - 10\mu_{12}\mu_{50}\mu_{32}\mu_{16} + 12\mu_{12}\mu_{50}\mu_{23}\mu_{25} - 6\mu_{12}\mu_{50}\mu_{14}\mu_{34} \\
& +\mu_{12}\mu_{50}\mu_{05}\mu_{43} - 11\mu_{12}\mu_{41}^2\mu_{16} + 51\mu_{12}\mu_{41}\mu_{32}\mu_{25} - 51\mu_{12}\mu_{41}\mu_{23}\mu_{34} \\
& +22\mu_{12}\mu_{41}\mu_{14}\mu_{43} - 3\mu_{12}\mu_{41}\mu_{05}\mu_{52} - 48\mu_{12}\mu_{32}^2\mu_{34} + 82\mu_{12}\mu_{32}\mu_{23}\mu_{43} \\
& -30\mu_{12}\mu_{32}\mu_{14}\mu_{52} + 3\mu_{12}\mu_{32}\mu_{05}\mu_{61} - 30\mu_{12}\mu_{23}^2\mu_{52} + 18\mu_{12}\mu_{23}\mu_{14}\mu_{61} \\
& -\mu_{12}\mu_{23}\mu_{05}\mu_{70} - 2\mu_{12}\mu_{14}^2\mu_{70} - \mu_{03}\mu_{50}^2\mu_{07} + 7\mu_{03}\mu_{50}\mu_{41}\mu_{16} \\
& -9\mu_{03}\mu_{50}\mu_{32}\mu_{25} + 5\mu_{03}\mu_{50}\mu_{23}\mu_{34} - \mu_{03}\mu_{50}\mu_{14}\mu_{43} - 12\mu_{03}\mu_{41}^2\mu_{25} \\
& +30\mu_{03}\mu_{41}\mu_{32}\mu_{34} - 16\mu_{03}\mu_{41}\mu_{23}\mu_{43} + 3\mu_{03}\mu_{41}\mu_{14}\mu_{52} - 18\mu_{03}\mu_{32}^2\mu_{43} \\
& +18\mu_{03}\mu_{32}\mu_{23}\mu_{52} - 3\mu_{03}\mu_{32}\mu_{14}\mu_{61} - 4\mu_{03}\mu_{23}^2\mu_{61} + \mu_{03}\mu_{23}\mu_{14}\mu_{70})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,1,0,2,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |



**Simultaneous invariants of the orders 4, 5 and 7**

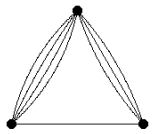
$$
\begin{aligned}
I_{235} \;=\; & (\mu_{40}\mu_{41}\mu_{07} - 4\mu_{40}\mu_{32}\mu_{16} + 6\mu_{40}\mu_{23}\mu_{25} - 4\mu_{40}\mu_{14}\mu_{34} + \mu_{40}\mu_{05}\mu_{43} \\
& -\mu_{31}\mu_{50}\mu_{07} + \mu_{31}\mu_{41}\mu_{16} + 6\mu_{31}\mu_{32}\mu_{25} - 14\mu_{31}\mu_{23}\mu_{34} + 11\mu_{31}\mu_{14}\mu_{43} \\
& -3\mu_{31}\mu_{05}\mu_{52} + 3\mu_{22}\mu_{50}\mu_{16} - 9\mu_{22}\mu_{41}\mu_{25} + 6\mu_{22}\mu_{32}\mu_{34} + 6\mu_{22}\mu_{23}\mu_{43} \\
& -9\mu_{22}\mu_{14}\mu_{52} + 3\mu_{22}\mu_{05}\mu_{61} - 3\mu_{13}\mu_{50}\mu_{25} + 11\mu_{13}\mu_{41}\mu_{34} - 14\mu_{13}\mu_{32}\mu_{43} \\
& +6\mu_{13}\mu_{23}\mu_{52} + \mu_{13}\mu_{14}\mu_{61} - \mu_{13}\mu_{05}\mu_{70} + \mu_{04}\mu_{50}\mu_{34} - 4\mu_{04}\mu_{41}\mu_{43} \\
& +6\mu_{04}\mu_{32}\mu_{52} - 4\mu_{04}\mu_{23}\mu_{61} + \mu_{04}\mu_{14}\mu_{70})/\mu_{00}^{11}
\end{aligned}
$$

weight=8

structure: 0,0,1,1,0,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |



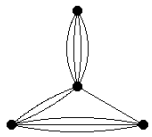
$$
\begin{aligned}
I_{236} \;=\; & (\mu_{40}^2\mu_{23}\mu_{07} - 2\mu_{40}^2\mu_{14}\mu_{16} + \mu_{40}^2\mu_{05}\mu_{25} - 3\mu_{40}\mu_{31}\mu_{32}\mu_{07} \\
& +\mu_{40}\mu_{31}\mu_{23}\mu_{16} + 7\mu_{40}\mu_{31}\mu_{14}\mu_{25} - 5\mu_{40}\mu_{31}\mu_{05}\mu_{34} + 3\mu_{40}\mu_{22}\mu_{41}\mu_{07} \\
& -3\mu_{40}\mu_{22}\mu_{32}\mu_{16} + 3\mu_{40}\mu_{22}\mu_{23}\mu_{25} - 9\mu_{40}\mu_{22}\mu_{14}\mu_{34} + 6\mu_{40}\mu_{22}\mu_{05}\mu_{43} \\
& -\mu_{40}\mu_{13}\mu_{50}\mu_{07} - \mu_{40}\mu_{13}\mu_{41}\mu_{16} + 5\mu_{40}\mu_{13}\mu_{32}\mu_{25} - 7\mu_{40}\mu_{13}\mu_{23}\mu_{34} \\
& +8\mu_{40}\mu_{13}\mu_{14}\mu_{43} - 4\mu_{40}\mu_{13}\mu_{05}\mu_{52} + \mu_{40}\mu_{04}\mu_{50}\mu_{16} - 2\mu_{40}\mu_{04}\mu_{41}\mu_{25} \\
& +\mu_{40}\mu_{04}\mu_{32}\mu_{34} + \mu_{40}\mu_{04}\mu_{23}\mu_{43} - 2\mu_{40}\mu_{04}\mu_{14}\mu_{52} + \mu_{40}\mu_{04}\mu_{05}\mu_{61} \\
& +12\mu_{31}^2\mu_{32}\mu_{16} - 20\mu_{31}^2\mu_{23}\mu_{25} + 4\mu_{31}^2\mu_{14}\mu_{34} + 4\mu_{31}^2\mu_{05}\mu_{43} - 12\mu_{31}\mu_{22}\mu_{41}\mu_{16} \\
& -6\mu_{31}\mu_{22}\mu_{32}\mu_{25} + 42\mu_{31}\mu_{22}\mu_{23}\mu_{34} - 18\mu_{31}\mu_{22}\mu_{14}\mu_{43} - 6\mu_{31}\mu_{22}\mu_{05}\mu_{52} \\
& +4\mu_{31}\mu_{13}\mu_{50}\mu_{16} + 4\mu_{31}\mu_{13}\mu_{41}\mu_{25} - 8\mu_{31}\mu_{13}\mu_{32}\mu_{34} - 8\mu_{31}\mu_{13}\mu_{23}\mu_{43} \\
& +4\mu_{31}\mu_{13}\mu_{14}\mu_{52} + 4\mu_{31}\mu_{13}\mu_{05}\mu_{61} - 4\mu_{31}\mu_{04}\mu_{50}\mu_{25} + 8\mu_{31}\mu_{04}\mu_{41}\mu_{34} \\
& -7\mu_{31}\mu_{04}\mu_{32}\mu_{43} + 5\mu_{31}\mu_{04}\mu_{23}\mu_{52} - \mu_{31}\mu_{04}\mu_{14}\mu_{61} - \mu_{31}\mu_{04}\mu_{05}\mu_{70} \\
& +18\mu_{22}^2\mu_{41}\mu_{25} - 18\mu_{22}^2\mu_{32}\mu_{34} - 18\mu_{22}^2\mu_{23}\mu_{43} + 18\mu_{22}^2\mu_{14}\mu_{52} - 6\mu_{22}\mu_{13}\mu_{50}\mu_{25} \\
& -18\mu_{22}\mu_{13}\mu_{41}\mu_{34} + 42\mu_{22}\mu_{13}\mu_{32}\mu_{43} - 6\mu_{22}\mu_{13}\mu_{23}\mu_{52} - 12\mu_{22}\mu_{13}\mu_{14}\mu_{61} \\
& +6\mu_{22}\mu_{04}\mu_{50}\mu_{34} - 9\mu_{22}\mu_{04}\mu_{41}\mu_{43} + 3\mu_{22}\mu_{04}\mu_{32}\mu_{52} - 3\mu_{22}\mu_{04}\mu_{23}\mu_{61} \\
& +3\mu_{22}\mu_{04}\mu_{14}\mu_{70} + 4\mu_{13}^2\mu_{50}\mu_{34} + 4\mu_{13}^2\mu_{41}\mu_{43} - 20\mu_{13}^2\mu_{32}\mu_{52} + 12\mu_{13}^2\mu_{23}\mu_{61} \\
& -5\mu_{13}\mu_{04}\mu_{50}\mu_{43} + 7\mu_{13}\mu_{04}\mu_{41}\mu_{52} + \mu_{13}\mu_{04}\mu_{32}\mu_{61} - 3\mu_{13}\mu_{04}\mu_{23}\mu_{70} \\
& +\mu_{04}^2\mu_{50}\mu_{52} - 2\mu_{04}^2\mu_{41}\mu_{61} + \mu_{04}^2\mu_{32}\mu_{70})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,0,2,1,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |



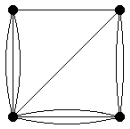
$$
\begin{aligned}
I_{237} \;=\; & (2\mu_{40}\mu_{22}\mu_{41}\mu_{07} - 8\mu_{40}\mu_{22}\mu_{32}\mu_{16} + 12\mu_{40}\mu_{22}\mu_{23}\mu_{25} - 8\mu_{40}\mu_{22}\mu_{14}\mu_{34} \\
& +2\mu_{40}\mu_{22}\mu_{05}\mu_{43} - \mu_{40}\mu_{13}\mu_{50}\mu_{07} + \mu_{40}\mu_{13}\mu_{41}\mu_{16} + 6\mu_{40}\mu_{13}\mu_{32}\mu_{25} \\
& -14\mu_{40}\mu_{13}\mu_{23}\mu_{34} + 11\mu_{40}\mu_{13}\mu_{14}\mu_{43} - 3\mu_{40}\mu_{13}\mu_{05}\mu_{52} + \mu_{40}\mu_{04}\mu_{50}\mu_{16} \\
& -3\mu_{40}\mu_{04}\mu_{41}\mu_{25} + 2\mu_{40}\mu_{04}\mu_{32}\mu_{34} + 2\mu_{40}\mu_{04}\mu_{23}\mu_{43} - 3\mu_{40}\mu_{04}\mu_{14}\mu_{52} \\
& +\mu_{40}\mu_{04}\mu_{05}\mu_{61} - 2\mu_{31}^2\mu_{41}\mu_{07} + 8\mu_{31}^2\mu_{32}\mu_{16} - 12\mu_{31}^2\mu_{23}\mu_{25} + 8\mu_{31}^2\mu_{14}\mu_{34} \\
& -2\mu_{31}^2\mu_{05}\mu_{43} + \mu_{31}\mu_{22}\mu_{50}\mu_{07} - \mu_{31}\mu_{22}\mu_{41}\mu_{16} - 6\mu_{31}\mu_{22}\mu_{32}\mu_{25} \\
& +14\mu_{31}\mu_{22}\mu_{23}\mu_{34} - 11\mu_{31}\mu_{22}\mu_{14}\mu_{43} + 3\mu_{31}\mu_{22}\mu_{05}\mu_{52} + 2\mu_{31}\mu_{13}\mu_{50}\mu_{16} \\
& -6\mu_{31}\mu_{13}\mu_{41}\mu_{25} + 4\mu_{31}\mu_{13}\mu_{32}\mu_{34} + 4\mu_{31}\mu_{13}\mu_{23}\mu_{43} - 6\mu_{31}\mu_{13}\mu_{14}\mu_{52} \\
& +2\mu_{31}\mu_{13}\mu_{05}\mu_{61} - 3\mu_{31}\mu_{04}\mu_{50}\mu_{25} + 11\mu_{31}\mu_{04}\mu_{41}\mu_{34} - 14\mu_{31}\mu_{04}\mu_{32}\mu_{43} \\
& +6\mu_{31}\mu_{04}\mu_{23}\mu_{52} + \mu_{31}\mu_{04}\mu_{14}\mu_{61} - \mu_{31}\mu_{04}\mu_{05}\mu_{70} - 3\mu_{22}^2\mu_{50}\mu_{16} \\
& +9\mu_{22}^2\mu_{41}\mu_{25} - 6\mu_{22}^2\mu_{32}\mu_{34} - 6\mu_{22}^2\mu_{23}\mu_{43} + 9\mu_{22}^2\mu_{14}\mu_{52} - 3\mu_{22}^2\mu_{05}\mu_{61} \\
& +3\mu_{22}\mu_{13}\mu_{50}\mu_{25} - 11\mu_{22}\mu_{13}\mu_{41}\mu_{34} + 14\mu_{22}\mu_{13}\mu_{32}\mu_{43} - 6\mu_{22}\mu_{13}\mu_{23}\mu_{52} \\
& -\mu_{22}\mu_{13}\mu_{14}\mu_{61} + \mu_{22}\mu_{13}\mu_{05}\mu_{70} + 2\mu_{22}\mu_{04}\mu_{50}\mu_{34} - 8\mu_{22}\mu_{04}\mu_{41}\mu_{43} \\
& +12\mu_{22}\mu_{04}\mu_{32}\mu_{52} - 8\mu_{22}\mu_{04}\mu_{23}\mu_{61} + 2\mu_{22}\mu_{04}\mu_{14}\mu_{70} - 2\mu_{13}^2\mu_{50}\mu_{34} \\
& +8\mu_{13}^2\mu_{41}\mu_{43} - 12\mu_{13}^2\mu_{32}\mu_{52} + 8\mu_{13}^2\mu_{23}\mu_{61} - 2\mu_{13}^2\mu_{14}\mu_{70})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,0,2,1,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |



**Simultaneous invariants of the orders 3, 6 and 7**

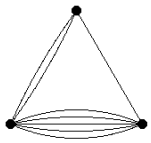
$$
\begin{aligned}
I_{238} \;=\; & (\mu_{30}\mu_{51}\mu_{07} - 5\mu_{30}\mu_{42}\mu_{16} + 10\mu_{30}\mu_{33}\mu_{25} - 10\mu_{30}\mu_{24}\mu_{34} + 5\mu_{30}\mu_{15}\mu_{43} \\
& -\mu_{30}\mu_{06}\mu_{52} - \mu_{21}\mu_{60}\mu_{07} + 3\mu_{21}\mu_{51}\mu_{16} - 10\mu_{21}\mu_{33}\mu_{34} + 15\mu_{21}\mu_{24}\mu_{43} \\
& -9\mu_{21}\mu_{15}\mu_{52} + 2\mu_{21}\mu_{06}\mu_{61} + 2\mu_{12}\mu_{60}\mu_{16} - 9\mu_{12}\mu_{51}\mu_{25} + 15\mu_{12}\mu_{42}\mu_{34} \\
& -10\mu_{12}\mu_{33}\mu_{43} + 3\mu_{12}\mu_{15}\mu_{61} - \mu_{12}\mu_{06}\mu_{70} - \mu_{03}\mu_{60}\mu_{25} + 5\mu_{03}\mu_{51}\mu_{34} \\
& -10\mu_{03}\mu_{42}\mu_{43} + 10\mu_{03}\mu_{33}\mu_{52} - 5\mu_{03}\mu_{24}\mu_{61} + \mu_{03}\mu_{15}\mu_{70})/\mu_{00}^{11}
\end{aligned}
$$

weight=8

structure: 0,1,0,0,1,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |



**Simultaneous invariants of the orders 5, 6 and 7**

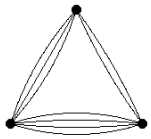
$$\begin{aligned} I_{239} \;=\; & (-\mu_{50}\mu_{42}\mu_{07} + 4\mu_{50}\mu_{33}\mu_{16} - 6\mu_{50}\mu_{24}\mu_{25} + 4\mu_{50}\mu_{15}\mu_{34} - \mu_{50}\mu_{06}\mu_{43} \\ & +2\mu_{41}\mu_{51}\mu_{07} - 5\mu_{41}\mu_{42}\mu_{16} + 10\mu_{41}\mu_{24}\mu_{34} - 10\mu_{41}\mu_{15}\mu_{43} + 3\mu_{41}\mu_{06}\mu_{52} \\ & -\mu_{32}\mu_{60}\mu_{07} - 2\mu_{32}\mu_{51}\mu_{16} + 15\mu_{32}\mu_{42}\mu_{25} - 20\mu_{32}\mu_{33}\mu_{34} + 5\mu_{32}\mu_{24}\mu_{43} \\ & +6\mu_{32}\mu_{15}\mu_{52} - 3\mu_{32}\mu_{06}\mu_{61} + 3\mu_{23}\mu_{60}\mu_{16} - 6\mu_{23}\mu_{51}\mu_{25} - 5\mu_{23}\mu_{42}\mu_{34} \\ & +20\mu_{23}\mu_{33}\mu_{43} - 15\mu_{23}\mu_{24}\mu_{52} + 2\mu_{23}\mu_{15}\mu_{61} + \mu_{23}\mu_{06}\mu_{70} - 3\mu_{14}\mu_{60}\mu_{25} \\ & +10\mu_{14}\mu_{51}\mu_{34} - 10\mu_{14}\mu_{42}\mu_{43} + 5\mu_{14}\mu_{24}\mu_{61} - 2\mu_{14}\mu_{15}\mu_{70} + \mu_{05}\mu_{60}\mu_{34} \\ & -4\mu_{05}\mu_{51}\mu_{43} + 6\mu_{05}\mu_{42}\mu_{52} - 4\mu_{05}\mu_{33}\mu_{61} + \mu_{05}\mu_{24}\mu_{70})/\mu_{00}^{12} \end{aligned}$$

weight=9

structure: 0,0,0,1,1,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |



**Simultaneous invariants of the orders 2, 3, 4 and 7**

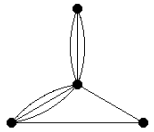
$$\begin{aligned} I_{240} \;=\; & (\mu_{20}\mu_{30}\mu_{31}\mu_{07} - 3\mu_{20}\mu_{30}\mu_{22}\mu_{16} + 3\mu_{20}\mu_{30}\mu_{13}\mu_{25} - \mu_{20}\mu_{30}\mu_{04}\mu_{34} \\ & -3\mu_{20}\mu_{21}\mu_{31}\mu_{16} + 9\mu_{20}\mu_{21}\mu_{22}\mu_{25} - 9\mu_{20}\mu_{21}\mu_{13}\mu_{34} + 3\mu_{20}\mu_{21}\mu_{04}\mu_{43} \\ & +3\mu_{20}\mu_{12}\mu_{31}\mu_{25} - 9\mu_{20}\mu_{12}\mu_{22}\mu_{34} + 9\mu_{20}\mu_{12}\mu_{13}\mu_{43} - 3\mu_{20}\mu_{12}\mu_{04}\mu_{52} \\ & -\mu_{20}\mu_{03}\mu_{31}\mu_{34} + 3\mu_{20}\mu_{03}\mu_{22}\mu_{43} - 3\mu_{20}\mu_{03}\mu_{13}\mu_{52} + \mu_{20}\mu_{03}\mu_{04}\mu_{61} \\ & -\mu_{11}\mu_{30}\mu_{40}\mu_{07} + 2\mu_{11}\mu_{30}\mu_{31}\mu_{16} - 2\mu_{11}\mu_{30}\mu_{13}\mu_{34} + \mu_{11}\mu_{30}\mu_{04}\mu_{43} \\ & +3\mu_{11}\mu_{21}\mu_{40}\mu_{16} - 6\mu_{11}\mu_{21}\mu_{31}\mu_{25} + 6\mu_{11}\mu_{21}\mu_{13}\mu_{43} - 3\mu_{11}\mu_{21}\mu_{04}\mu_{52} \\ & -3\mu_{11}\mu_{12}\mu_{40}\mu_{25} + 6\mu_{11}\mu_{12}\mu_{31}\mu_{34} - 6\mu_{11}\mu_{12}\mu_{13}\mu_{52} + 3\mu_{11}\mu_{12}\mu_{04}\mu_{61} \\ & +\mu_{11}\mu_{03}\mu_{40}\mu_{34} - 2\mu_{11}\mu_{03}\mu_{31}\mu_{43} + 2\mu_{11}\mu_{03}\mu_{13}\mu_{61} - \mu_{11}\mu_{03}\mu_{04}\mu_{70} \\ & +\mu_{02}\mu_{30}\mu_{40}\mu_{16} - 3\mu_{02}\mu_{30}\mu_{31}\mu_{25} + 3\mu_{02}\mu_{30}\mu_{22}\mu_{34} - \mu_{02}\mu_{30}\mu_{13}\mu_{43} \\ & -3\mu_{02}\mu_{21}\mu_{40}\mu_{25} + 9\mu_{02}\mu_{21}\mu_{31}\mu_{34} - 9\mu_{02}\mu_{21}\mu_{22}\mu_{43} + 3\mu_{02}\mu_{21}\mu_{13}\mu_{52} \\ & +3\mu_{02}\mu_{12}\mu_{40}\mu_{34} - 9\mu_{02}\mu_{12}\mu_{31}\mu_{43} + 9\mu_{02}\mu_{12}\mu_{22}\mu_{52} - 3\mu_{02}\mu_{12}\mu_{13}\mu_{61} \\ & -\mu_{02}\mu_{03}\mu_{40}\mu_{43} + 3\mu_{02}\mu_{03}\mu_{31}\mu_{52} - 3\mu_{02}\mu_{03}\mu_{22}\mu_{61} + \mu_{02}\mu_{03}\mu_{13}\mu_{70})/\mu_{00}^{12} \end{aligned}$$

weight=8

structure: 1,1,1,0,0,1

Generating graph:

$$\begin{array}{cccccccc} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 2 \\ 2 & 2 & 2 & 3 & 3 & 3 & 4 & 4 \end{array}$$



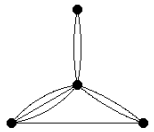
$$\begin{aligned} I_{241} \;=\; & (\mu_{20}\mu_{30}\mu_{31}\mu_{07} - 3\mu_{20}\mu_{30}\mu_{22}\mu_{16} + 3\mu_{20}\mu_{30}\mu_{13}\mu_{25} - \mu_{20}\mu_{30}\mu_{04}\mu_{34} \\ & -\mu_{20}\mu_{21}\mu_{40}\mu_{07} + \mu_{20}\mu_{21}\mu_{31}\mu_{16} + 3\mu_{20}\mu_{21}\mu_{22}\mu_{25} - 5\mu_{20}\mu_{21}\mu_{13}\mu_{34} \\ & +2\mu_{20}\mu_{21}\mu_{04}\mu_{43} + 2\mu_{20}\mu_{12}\mu_{40}\mu_{16} - 5\mu_{20}\mu_{12}\mu_{31}\mu_{25} + 3\mu_{20}\mu_{12}\mu_{22}\mu_{34} \\ & +\mu_{20}\mu_{12}\mu_{13}\mu_{43} - \mu_{20}\mu_{12}\mu_{04}\mu_{52} - \mu_{20}\mu_{03}\mu_{40}\mu_{25} + 3\mu_{20}\mu_{03}\mu_{31}\mu_{34} \\ & -3\mu_{20}\mu_{03}\mu_{22}\mu_{43} + \mu_{20}\mu_{03}\mu_{13}\mu_{52} - 2\mu_{11}\mu_{30}\mu_{31}\mu_{16} + 6\mu_{11}\mu_{30}\mu_{22}\mu_{25} \\ & -6\mu_{11}\mu_{30}\mu_{13}\mu_{34} + 2\mu_{11}\mu_{30}\mu_{04}\mu_{43} + 2\mu_{11}\mu_{21}\mu_{40}\mu_{16} - 2\mu_{11}\mu_{21}\mu_{31}\mu_{25} \\ & -6\mu_{11}\mu_{21}\mu_{22}\mu_{34} + 10\mu_{11}\mu_{21}\mu_{13}\mu_{43} - 4\mu_{11}\mu_{21}\mu_{04}\mu_{52} - 4\mu_{11}\mu_{12}\mu_{40}\mu_{25} \\ & +10\mu_{11}\mu_{12}\mu_{31}\mu_{34} - 6\mu_{11}\mu_{12}\mu_{22}\mu_{43} - 2\mu_{11}\mu_{12}\mu_{13}\mu_{52} + 2\mu_{11}\mu_{12}\mu_{04}\mu_{61} \\ & +2\mu_{11}\mu_{03}\mu_{40}\mu_{34} - 6\mu_{11}\mu_{03}\mu_{31}\mu_{43} + 6\mu_{11}\mu_{03}\mu_{22}\mu_{52} - 2\mu_{11}\mu_{03}\mu_{13}\mu_{61} \\ & +\mu_{02}\mu_{30}\mu_{31}\mu_{25} - 3\mu_{02}\mu_{30}\mu_{22}\mu_{34} + 3\mu_{02}\mu_{30}\mu_{13}\mu_{43} - \mu_{02}\mu_{30}\mu_{04}\mu_{52} \\ & -\mu_{02}\mu_{21}\mu_{40}\mu_{25} + \mu_{02}\mu_{21}\mu_{31}\mu_{34} + 3\mu_{02}\mu_{21}\mu_{22}\mu_{43} - 5\mu_{02}\mu_{21}\mu_{13}\mu_{52} \\ & +2\mu_{02}\mu_{21}\mu_{04}\mu_{61} + 2\mu_{02}\mu_{12}\mu_{40}\mu_{34} - 5\mu_{02}\mu_{12}\mu_{31}\mu_{43} + 3\mu_{02}\mu_{12}\mu_{22}\mu_{52} \\ & +\mu_{02}\mu_{12}\mu_{13}\mu_{61} - \mu_{02}\mu_{12}\mu_{04}\mu_{70} - \mu_{02}\mu_{03}\mu_{40}\mu_{43} + 3\mu_{02}\mu_{03}\mu_{31}\mu_{52} \\ & -3\mu_{02}\mu_{03}\mu_{22}\mu_{61} + \mu_{02}\mu_{03}\mu_{13}\mu_{70})/\mu_{00}^{12} \end{aligned}$$

weight=8

structure: 1,1,1,0,0,1

Generating graph:

$$\begin{array}{cccccccc} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 2 \\ 2 & 2 & 2 & 3 & 3 & 4 & 4 & 4 \end{array}$$



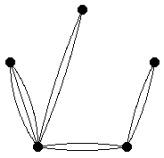
$$
\begin{aligned}
I_{242} \;=\; & (-\mu_{20}^2\mu_{30}\mu_{22}\mu_{07} + 2\mu_{20}^2\mu_{30}\mu_{13}\mu_{16} - \mu_{20}^2\mu_{30}\mu_{04}\mu_{25} + 3\mu_{20}^2\mu_{21}\mu_{22}\mu_{16} \\
& -6\mu_{20}^2\mu_{21}\mu_{13}\mu_{25} + 3\mu_{20}^2\mu_{21}\mu_{04}\mu_{34} - 3\mu_{20}^2\mu_{12}\mu_{22}\mu_{25} + 6\mu_{20}^2\mu_{12}\mu_{13}\mu_{34} \\
& -3\mu_{20}^2\mu_{12}\mu_{04}\mu_{43} + \mu_{20}^2\mu_{03}\mu_{22}\mu_{34} - 2\mu_{20}^2\mu_{03}\mu_{13}\mu_{43} + \mu_{20}^2\mu_{03}\mu_{04}\mu_{52} \\
& +2\mu_{20}\mu_{11}\mu_{30}\mu_{31}\mu_{07} - 2\mu_{20}\mu_{11}\mu_{30}\mu_{22}\mu_{16} - 2\mu_{20}\mu_{11}\mu_{30}\mu_{13}\mu_{25} \\
& +2\mu_{20}\mu_{11}\mu_{30}\mu_{04}\mu_{34} - 6\mu_{20}\mu_{11}\mu_{21}\mu_{31}\mu_{16} + 6\mu_{20}\mu_{11}\mu_{21}\mu_{22}\mu_{25} \\
& +6\mu_{20}\mu_{11}\mu_{21}\mu_{13}\mu_{34} - 6\mu_{20}\mu_{11}\mu_{21}\mu_{04}\mu_{43} + 6\mu_{20}\mu_{11}\mu_{12}\mu_{31}\mu_{25} \\
& -6\mu_{20}\mu_{11}\mu_{12}\mu_{22}\mu_{34} - 6\mu_{20}\mu_{11}\mu_{12}\mu_{13}\mu_{43} + 6\mu_{20}\mu_{11}\mu_{12}\mu_{04}\mu_{52} \\
& -2\mu_{20}\mu_{11}\mu_{03}\mu_{31}\mu_{34} + 2\mu_{20}\mu_{11}\mu_{03}\mu_{22}\mu_{43} + 2\mu_{20}\mu_{11}\mu_{03}\mu_{13}\mu_{52} \\
& -2\mu_{20}\mu_{11}\mu_{03}\mu_{04}\mu_{61} - \mu_{20}\mu_{02}\mu_{30}\mu_{40}\mu_{07} + 2\mu_{20}\mu_{02}\mu_{30}\mu_{31}\mu_{16} \\
& -2\mu_{20}\mu_{02}\mu_{30}\mu_{22}\mu_{25} + 2\mu_{20}\mu_{02}\mu_{30}\mu_{13}\mu_{34} - \mu_{20}\mu_{02}\mu_{30}\mu_{04}\mu_{43} \\
& +3\mu_{20}\mu_{02}\mu_{21}\mu_{40}\mu_{16} - 6\mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{25} + 6\mu_{20}\mu_{02}\mu_{21}\mu_{22}\mu_{34} \\
& -6\mu_{20}\mu_{02}\mu_{21}\mu_{13}\mu_{43} + 3\mu_{20}\mu_{02}\mu_{21}\mu_{04}\mu_{52} - 3\mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{25} \\
& +6\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{34} - 6\mu_{20}\mu_{02}\mu_{12}\mu_{22}\mu_{43} + 6\mu_{20}\mu_{02}\mu_{12}\mu_{13}\mu_{52} \\
& -3\mu_{20}\mu_{02}\mu_{12}\mu_{04}\mu_{61} + \mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{34} - 2\mu_{20}\mu_{02}\mu_{03}\mu_{31}\mu_{43} \\
& +2\mu_{20}\mu_{02}\mu_{03}\mu_{22}\mu_{52} - 2\mu_{20}\mu_{02}\mu_{03}\mu_{13}\mu_{61} + \mu_{20}\mu_{02}\mu_{03}\mu_{04}\mu_{70} \\
& -4\mu_{11}^2\mu_{30}\mu_{31}\mu_{16} + 8\mu_{11}^2\mu_{30}\mu_{22}\mu_{25} - 4\mu_{11}^2\mu_{30}\mu_{13}\mu_{34} + 12\mu_{11}^2\mu_{21}\mu_{31}\mu_{25} \\
& -24\mu_{11}^2\mu_{21}\mu_{22}\mu_{34} + 12\mu_{11}^2\mu_{21}\mu_{13}\mu_{43} - 12\mu_{11}^2\mu_{12}\mu_{31}\mu_{34} + 24\mu_{11}^2\mu_{12}\mu_{22}\mu_{43} \\
& -12\mu_{11}^2\mu_{12}\mu_{13}\mu_{52} + 4\mu_{11}^2\mu_{03}\mu_{31}\mu_{43} - 8\mu_{11}^2\mu_{03}\mu_{22}\mu_{52} + 4\mu_{11}^2\mu_{03}\mu_{13}\mu_{61} \\
& +2\mu_{11}\mu_{02}\mu_{30}\mu_{40}\mu_{16} - 2\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{25} - 2\mu_{11}\mu_{02}\mu_{30}\mu_{22}\mu_{34} \\
& +2\mu_{11}\mu_{02}\mu_{30}\mu_{13}\mu_{43} - 6\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{25} + 6\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{34} \\
& +6\mu_{11}\mu_{02}\mu_{21}\mu_{22}\mu_{43} - 6\mu_{11}\mu_{02}\mu_{21}\mu_{13}\mu_{52} + 6\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{34} \\
& -6\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{43} - 6\mu_{11}\mu_{02}\mu_{12}\mu_{22}\mu_{52} + 6\mu_{11}\mu_{02}\mu_{12}\mu_{13}\mu_{61} \\
& -2\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{43} + 2\mu_{11}\mu_{02}\mu_{03}\mu_{31}\mu_{52} + 2\mu_{11}\mu_{02}\mu_{03}\mu_{22}\mu_{61} \\
& -2\mu_{11}\mu_{02}\mu_{03}\mu_{13}\mu_{70} - \mu_{02}^2\mu_{30}\mu_{40}\mu_{25} + 2\mu_{02}^2\mu_{30}\mu_{31}\mu_{34} \\
& -\mu_{02}^2\mu_{30}\mu_{22}\mu_{43} + 3\mu_{02}^2\mu_{21}\mu_{40}\mu_{34} - 6\mu_{02}^2\mu_{21}\mu_{31}\mu_{43} + 3\mu_{02}^2\mu_{21}\mu_{22}\mu_{52} \\
& -3\mu_{02}^2\mu_{12}\mu_{40}\mu_{43} + 6\mu_{02}^2\mu_{12}\mu_{31}\mu_{52} - 3\mu_{02}^2\mu_{12}\mu_{22}\mu_{61} + \mu_{02}^2\mu_{03}\mu_{40}\mu_{52} \\
& -2\mu_{02}^2\mu_{03}\mu_{31}\mu_{61} + \mu_{02}^2\mu_{03}\mu_{22}\mu_{70})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 2,1,1,0,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 |



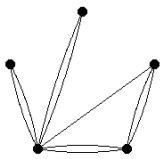
$$
\begin{aligned}
I_{243} \;=\; & (-\mu_{20}^2\mu_{30}\mu_{22}\mu_{07} + 2\mu_{20}^2\mu_{30}\mu_{13}\mu_{16} - \mu_{20}^2\mu_{30}\mu_{04}\mu_{25} + 2\mu_{20}^2\mu_{21}\mu_{31}\mu_{07} \\
& -3\mu_{20}^2\mu_{21}\mu_{22}\mu_{16} + \mu_{20}^2\mu_{21}\mu_{04}\mu_{34} - \mu_{20}^2\mu_{12}\mu_{40}\mu_{07} + 3\mu_{20}^2\mu_{12}\mu_{22}\mu_{25} \\
& -2\mu_{20}^2\mu_{12}\mu_{13}\mu_{34} + \mu_{20}^2\mu_{03}\mu_{40}\mu_{16} - 2\mu_{20}^2\mu_{03}\mu_{31}\mu_{25} + \mu_{20}^2\mu_{03}\mu_{22}\mu_{34} \\
& +4\mu_{20}\mu_{11}\mu_{30}\mu_{22}\mu_{16} - 8\mu_{20}\mu_{11}\mu_{30}\mu_{13}\mu_{25} + 4\mu_{20}\mu_{11}\mu_{30}\mu_{04}\mu_{34} \\
& -8\mu_{20}\mu_{11}\mu_{21}\mu_{31}\mu_{16} + 12\mu_{20}\mu_{11}\mu_{21}\mu_{22}\mu_{25} - 4\mu_{20}\mu_{11}\mu_{21}\mu_{04}\mu_{43} \\
& +4\mu_{20}\mu_{11}\mu_{12}\mu_{40}\mu_{16} - 12\mu_{20}\mu_{11}\mu_{12}\mu_{22}\mu_{34} + 8\mu_{20}\mu_{11}\mu_{12}\mu_{13}\mu_{43} \\
& -4\mu_{20}\mu_{11}\mu_{03}\mu_{40}\mu_{25} + 8\mu_{20}\mu_{11}\mu_{03}\mu_{31}\mu_{34} - 4\mu_{20}\mu_{11}\mu_{03}\mu_{22}\mu_{43} \\
& -2\mu_{20}\mu_{02}\mu_{30}\mu_{22}\mu_{25} + 4\mu_{20}\mu_{02}\mu_{30}\mu_{13}\mu_{34} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{04}\mu_{43} \\
& +4\mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{25} - 6\mu_{20}\mu_{02}\mu_{21}\mu_{22}\mu_{34} + 2\mu_{20}\mu_{02}\mu_{21}\mu_{04}\mu_{52} \\
& -2\mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{25} + 6\mu_{20}\mu_{02}\mu_{12}\mu_{22}\mu_{43} - 4\mu_{20}\mu_{02}\mu_{12}\mu_{13}\mu_{52} \\
& +2\mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{34} - 4\mu_{20}\mu_{02}\mu_{03}\mu_{31}\mu_{43} + 2\mu_{20}\mu_{02}\mu_{03}\mu_{22}\mu_{52} \\
& -4\mu_{11}^2\mu_{30}\mu_{22}\mu_{25} + 8\mu_{11}^2\mu_{30}\mu_{13}\mu_{34} - 4\mu_{11}^2\mu_{30}\mu_{04}\mu_{43} + 8\mu_{11}^2\mu_{21}\mu_{31}\mu_{25} \\
& -12\mu_{11}^2\mu_{21}\mu_{22}\mu_{34} + 4\mu_{11}^2\mu_{21}\mu_{04}\mu_{52} - 4\mu_{11}^2\mu_{12}\mu_{40}\mu_{25} + 12\mu_{11}^2\mu_{12}\mu_{22}\mu_{43} \\
& -8\mu_{11}^2\mu_{12}\mu_{13}\mu_{52} + 4\mu_{11}^2\mu_{03}\mu_{40}\mu_{34} - 8\mu_{11}^2\mu_{03}\mu_{31}\mu_{43} + 4\mu_{11}^2\mu_{03}\mu_{22}\mu_{52} \\
& +4\mu_{11}\mu_{02}\mu_{30}\mu_{22}\mu_{34} - 8\mu_{11}\mu_{02}\mu_{30}\mu_{13}\mu_{43} + 4\mu_{11}\mu_{02}\mu_{30}\mu_{04}\mu_{52} \\
& -8\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{34} + 12\mu_{11}\mu_{02}\mu_{21}\mu_{22}\mu_{43} - 4\mu_{11}\mu_{02}\mu_{21}\mu_{04}\mu_{61} \\
& +4\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{34} - 12\mu_{11}\mu_{02}\mu_{12}\mu_{22}\mu_{52} + 8\mu_{11}\mu_{02}\mu_{12}\mu_{13}\mu_{61} \\
& -4\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{43} + 8\mu_{11}\mu_{02}\mu_{03}\mu_{31}\mu_{52} - 4\mu_{11}\mu_{02}\mu_{03}\mu_{22}\mu_{61} \\
& -\mu_{02}^2\mu_{30}\mu_{22}\mu_{43} + 2\mu_{02}^2\mu_{30}\mu_{13}\mu_{52} - \mu_{02}^2\mu_{30}\mu_{04}\mu_{61} + 2\mu_{02}^2\mu_{21}\mu_{31}\mu_{43} \\
& -3\mu_{02}^2\mu_{21}\mu_{22}\mu_{52} + \mu_{02}^2\mu_{21}\mu_{04}\mu_{70} - \mu_{02}^2\mu_{12}\mu_{40}\mu_{43} + 3\mu_{02}^2\mu_{12}\mu_{22}\mu_{61} \\
& -2\mu_{02}^2\mu_{12}\mu_{13}\mu_{70} + \mu_{02}^2\mu_{03}\mu_{40}\mu_{52} - 2\mu_{02}^2\mu_{03}\mu_{31}\mu_{61} + \mu_{02}^2\mu_{03}\mu_{22}\mu_{70})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 2,1,1,0,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



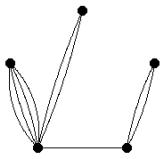
$$
\begin{aligned}
I_{244} \;=\; & (-\mu_{20}^2\mu_{12}\mu_{40}\mu_{07} + 4\mu_{20}^2\mu_{12}\mu_{31}\mu_{16} - 6\mu_{20}^2\mu_{12}\mu_{22}\mu_{25} + 4\mu_{20}^2\mu_{12}\mu_{13}\mu_{34} \\
& -\mu_{20}^2\mu_{12}\mu_{04}\mu_{43} + \mu_{20}^2\mu_{03}\mu_{40}\mu_{16} - 4\mu_{20}^2\mu_{03}\mu_{31}\mu_{25} + 6\mu_{20}^2\mu_{03}\mu_{22}\mu_{34} \\
& -4\mu_{20}^2\mu_{03}\mu_{13}\mu_{43} + \mu_{20}^2\mu_{03}\mu_{04}\mu_{52} + 2\mu_{20}\mu_{11}\mu_{21}\mu_{40}\mu_{07} \\
& -8\mu_{20}\mu_{11}\mu_{21}\mu_{31}\mu_{16} + 12\mu_{20}\mu_{11}\mu_{21}\mu_{22}\mu_{25} - 8\mu_{20}\mu_{11}\mu_{21}\mu_{13}\mu_{34} \\
& +2\mu_{20}\mu_{11}\mu_{21}\mu_{04}\mu_{43} - 2\mu_{20}\mu_{11}\mu_{03}\mu_{40}\mu_{25} + 8\mu_{20}\mu_{11}\mu_{03}\mu_{31}\mu_{34} \\
& -12\mu_{20}\mu_{11}\mu_{03}\mu_{22}\mu_{43} + 8\mu_{20}\mu_{11}\mu_{03}\mu_{13}\mu_{52} - 2\mu_{20}\mu_{11}\mu_{03}\mu_{04}\mu_{61} \\
& -\mu_{20}\mu_{02}\mu_{30}\mu_{40}\mu_{07} + 4\mu_{20}\mu_{02}\mu_{30}\mu_{31}\mu_{16} - 6\mu_{20}\mu_{02}\mu_{30}\mu_{22}\mu_{25} \\
& +4\mu_{20}\mu_{02}\mu_{30}\mu_{13}\mu_{34} - \mu_{20}\mu_{02}\mu_{30}\mu_{04}\mu_{43} + \mu_{20}\mu_{02}\mu_{21}\mu_{40}\mu_{16} \\
& -4\mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{25} + 6\mu_{20}\mu_{02}\mu_{21}\mu_{22}\mu_{34} - 4\mu_{20}\mu_{02}\mu_{21}\mu_{13}\mu_{43} \\
& +\mu_{20}\mu_{02}\mu_{21}\mu_{04}\mu_{52} - \mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{25} + 4\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{34} \\
& -6\mu_{20}\mu_{02}\mu_{12}\mu_{22}\mu_{43} + 4\mu_{20}\mu_{02}\mu_{12}\mu_{13}\mu_{52} - \mu_{20}\mu_{02}\mu_{12}\mu_{04}\mu_{61} \\
& +\mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{34} - 4\mu_{20}\mu_{02}\mu_{03}\mu_{31}\mu_{43} + 6\mu_{20}\mu_{02}\mu_{03}\mu_{22}\mu_{52} \\
& -4\mu_{20}\mu_{02}\mu_{03}\mu_{13}\mu_{61} + \mu_{20}\mu_{02}\mu_{03}\mu_{04}\mu_{70} - 4\mu_{11}^2\mu_{21}\mu_{40}\mu_{16} \\
& +16\mu_{11}^2\mu_{21}\mu_{31}\mu_{25} - 24\mu_{11}^2\mu_{21}\mu_{22}\mu_{34} + 16\mu_{11}^2\mu_{21}\mu_{13}\mu_{43} - 4\mu_{11}^2\mu_{21}\mu_{04}\mu_{52} \\
& +4\mu_{11}^2\mu_{12}\mu_{40}\mu_{25} - 16\mu_{11}^2\mu_{12}\mu_{31}\mu_{34} + 24\mu_{11}^2\mu_{12}\mu_{22}\mu_{43} - 16\mu_{11}^2\mu_{12}\mu_{13}\mu_{52} \\
& +4\mu_{11}^2\mu_{12}\mu_{04}\mu_{61} + 2\mu_{11}\mu_{02}\mu_{30}\mu_{40}\mu_{16} - 8\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{25} \\
& +12\mu_{11}\mu_{02}\mu_{30}\mu_{22}\mu_{34} - 8\mu_{11}\mu_{02}\mu_{30}\mu_{13}\mu_{43} + 2\mu_{11}\mu_{02}\mu_{30}\mu_{04}\mu_{52} \\
& -2\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{34} + 8\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{43} - 12\mu_{11}\mu_{02}\mu_{12}\mu_{22}\mu_{52} \\
& +8\mu_{11}\mu_{02}\mu_{12}\mu_{13}\mu_{61} - 2\mu_{11}\mu_{02}\mu_{12}\mu_{04}\mu_{70} - \mu_{02}^2\mu_{30}\mu_{40}\mu_{25} \\
& +4\mu_{02}^2\mu_{30}\mu_{31}\mu_{34} - 6\mu_{02}^2\mu_{30}\mu_{22}\mu_{43} + 4\mu_{02}^2\mu_{30}\mu_{13}\mu_{52} - \mu_{02}^2\mu_{30}\mu_{04}\mu_{61} \\
& +\mu_{02}^2\mu_{21}\mu_{40}\mu_{34} - 4\mu_{02}^2\mu_{21}\mu_{31}\mu_{43} + 6\mu_{02}^2\mu_{21}\mu_{22}\mu_{52} - 4\mu_{02}^2\mu_{21}\mu_{13}\mu_{61} \\
& +\mu_{02}^2\mu_{21}\mu_{04}\mu_{70})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 2,1,1,0,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5 |



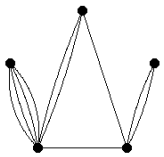
$$
\begin{aligned}
I_{245} \;=\; & (\mu_{20}\mu_{30}\mu_{40}\mu_{13}\mu_{07} - \mu_{20}\mu_{30}\mu_{40}\mu_{04}\mu_{16} - 4\mu_{20}\mu_{30}\mu_{31}\mu_{13}\mu_{16} \\
& +4\mu_{20}\mu_{30}\mu_{31}\mu_{04}\mu_{25} + 6\mu_{20}\mu_{30}\mu_{22}\mu_{13}\mu_{25} - 6\mu_{20}\mu_{30}\mu_{22}\mu_{04}\mu_{34} \\
& -4\mu_{20}\mu_{30}\mu_{13}^2\mu_{34} + 5\mu_{20}\mu_{30}\mu_{13}\mu_{04}\mu_{43} - \mu_{20}\mu_{30}\mu_{04}^2\mu_{52} \\
& -\mu_{20}\mu_{21}\mu_{40}\mu_{22}\mu_{07} - \mu_{20}\mu_{21}\mu_{40}\mu_{13}\mu_{16} + 2\mu_{20}\mu_{21}\mu_{40}\mu_{04}\mu_{25} \\
& +4\mu_{20}\mu_{21}\mu_{31}\mu_{22}\mu_{16} + 4\mu_{20}\mu_{21}\mu_{31}\mu_{13}\mu_{25} - 8\mu_{20}\mu_{21}\mu_{31}\mu_{04}\mu_{34} \\
& -6\mu_{20}\mu_{21}\mu_{22}^2\mu_{25} - 2\mu_{20}\mu_{21}\mu_{22}\mu_{13}\mu_{34} + 11\mu_{20}\mu_{21}\mu_{22}\mu_{04}\mu_{43} \\
& +4\mu_{20}\mu_{21}\mu_{13}^2\mu_{43} - 9\mu_{20}\mu_{21}\mu_{13}\mu_{04}\mu_{52} + 2\mu_{20}\mu_{21}\mu_{04}^2\mu_{61} \\
& +2\mu_{20}\mu_{12}\mu_{40}\mu_{22}\mu_{16} - \mu_{20}\mu_{12}\mu_{40}\mu_{13}\mu_{25} - \mu_{20}\mu_{12}\mu_{40}\mu_{04}\mu_{34} \\
& -8\mu_{20}\mu_{12}\mu_{31}\mu_{22}\mu_{25} + 4\mu_{20}\mu_{12}\mu_{31}\mu_{13}\mu_{34} + 4\mu_{20}\mu_{12}\mu_{31}\mu_{04}\mu_{43} \\
& +12\mu_{20}\mu_{12}\mu_{22}^2\mu_{34} - 14\mu_{20}\mu_{12}\mu_{22}\mu_{13}\mu_{43} - 4\mu_{20}\mu_{12}\mu_{22}\mu_{04}\mu_{52} \\
& +4\mu_{20}\mu_{12}\mu_{13}^2\mu_{52} + 3\mu_{20}\mu_{12}\mu_{13}\mu_{04}\mu_{61} - \mu_{20}\mu_{12}\mu_{04}^2\mu_{70} \\
& -\mu_{20}\mu_{03}\mu_{40}\mu_{22}\mu_{25} + \mu_{20}\mu_{03}\mu_{40}\mu_{13}\mu_{34} + 4\mu_{20}\mu_{03}\mu_{31}\mu_{22}\mu_{34} \\
& -4\mu_{20}\mu_{03}\mu_{31}\mu_{13}\mu_{43} - 6\mu_{20}\mu_{03}\mu_{22}^2\mu_{43} + 10\mu_{20}\mu_{03}\mu_{22}\mu_{13}\mu_{52} \\
& -\mu_{20}\mu_{03}\mu_{22}\mu_{04}\mu_{61} - 4\mu_{20}\mu_{03}\mu_{13}^2\mu_{61} + \mu_{20}\mu_{03}\mu_{13}\mu_{04}\mu_{70} \\
& -2\mu_{11}\mu_{30}\mu_{40}\mu_{22}\mu_{07} + 2\mu_{11}\mu_{30}\mu_{40}\mu_{13}\mu_{16} + 8\mu_{11}\mu_{30}\mu_{31}\mu_{22}\mu_{16} \\
& -8\mu_{11}\mu_{30}\mu_{31}\mu_{13}\mu_{25} - 12\mu_{11}\mu_{30}\mu_{22}^2\mu_{25} + 20\mu_{11}\mu_{30}\mu_{22}\mu_{13}\mu_{34} \\
& -2\mu_{11}\mu_{30}\mu_{22}\mu_{04}\mu_{43} - 8\mu_{11}\mu_{30}\mu_{13}^2\mu_{43} + 2\mu_{11}\mu_{30}\mu_{13}\mu_{04}\mu_{52} \\
& +2\mu_{11}\mu_{21}\mu_{40}\mu_{31}\mu_{07} + 2\mu_{11}\mu_{21}\mu_{40}\mu_{22}\mu_{16} - 4\mu_{11}\mu_{21}\mu_{40}\mu_{13}\mu_{25} \\
& -8\mu_{11}\mu_{21}\mu_{31}^2\mu_{16} + 4\mu_{11}\mu_{21}\mu_{31}\mu_{22}\mu_{25} + 8\mu_{11}\mu_{21}\mu_{31}\mu_{13}\mu_{34} \\
& +2\mu_{11}\mu_{21}\mu_{31}\mu_{04}\mu_{43} + 12\mu_{11}\mu_{21}\mu_{22}^2\mu_{34} - 32\mu_{11}\mu_{21}\mu_{22}\mu_{13}\mu_{43} \\
& +2\mu_{11}\mu_{21}\mu_{22}\mu_{04}\mu_{52} + 16\mu_{11}\mu_{21}\mu_{13}^2\mu_{52} - 4\mu_{11}\mu_{21}\mu_{13}\mu_{04}\mu_{61} \\
& -4\mu_{11}\mu_{12}\mu_{40}\mu_{31}\mu_{16} + 2\mu_{11}\mu_{12}\mu_{40}\mu_{22}\mu_{25} + 2\mu_{11}\mu_{12}\mu_{40}\mu_{13}\mu_{34} \\
& +16\mu_{11}\mu_{12}\mu_{31}^2\mu_{25} - 32\mu_{11}\mu_{12}\mu_{31}\mu_{22}\mu_{34} + 8\mu_{11}\mu_{12}\mu_{31}\mu_{13}\mu_{43} \\
& -4\mu_{11}\mu_{12}\mu_{31}\mu_{04}\mu_{52} + 12\mu_{11}\mu_{12}\mu_{22}^2\mu_{43} + 4\mu_{11}\mu_{12}\mu_{22}\mu_{13}\mu_{52} \\
& +2\mu_{11}\mu_{12}\mu_{22}\mu_{04}\mu_{61} - 8\mu_{11}\mu_{12}\mu_{13}^2\mu_{61} + 2\mu_{11}\mu_{12}\mu_{13}\mu_{04}\mu_{70} \\
& +2\mu_{11}\mu_{03}\mu_{40}\mu_{31}\mu_{25} - 2\mu_{11}\mu_{03}\mu_{40}\mu_{22}\mu_{34} - 8\mu_{11}\mu_{03}\mu_{31}^2\mu_{34} \\
& +20\mu_{11}\mu_{03}\mu_{31}\mu_{22}\mu_{43} - 8\mu_{11}\mu_{03}\mu_{31}\mu_{13}\mu_{52} + 2\mu_{11}\mu_{03}\mu_{31}\mu_{04}\mu_{61} \\
& -12\mu_{11}\mu_{03}\mu_{22}^2\mu_{52} + 8\mu_{11}\mu_{03}\mu_{22}\mu_{13}\mu_{61} - 2\mu_{11}\mu_{03}\mu_{22}\mu_{04}\mu_{70} \\
& +\mu_{02}\mu_{30}\mu_{40}\mu_{31}\mu_{07} - \mu_{02}\mu_{30}\mu_{40}\mu_{22}\mu_{16} - 4\mu_{02}\mu_{30}\mu_{31}^2\mu_{16} \\
& +10\mu_{02}\mu_{30}\mu_{31}\mu_{22}\mu_{25} - 4\mu_{02}\mu_{30}\mu_{31}\mu_{13}\mu_{34} + \mu_{02}\mu_{30}\mu_{31}\mu_{04}\mu_{43} \\
& -6\mu_{02}\mu_{30}\mu_{22}^2\mu_{34} + 4\mu_{02}\mu_{30}\mu_{22}\mu_{13}\mu_{43} - \mu_{02}\mu_{30}\mu_{22}\mu_{04}\mu_{52} \\
& -\mu_{02}\mu_{21}\mu_{40}^2\mu_{07} + 3\mu_{02}\mu_{21}\mu_{40}\mu_{31}\mu_{16} - 4\mu_{02}\mu_{21}\mu_{40}\mu_{22}\mu_{25} \\
& +4\mu_{02}\mu_{21}\mu_{40}\mu_{13}\mu_{34} - \mu_{02}\mu_{21}\mu_{40}\mu_{04}\mu_{43} + 4\mu_{02}\mu_{21}\mu_{31}^2\mu_{25} \\
& -14\mu_{02}\mu_{21}\mu_{31}\mu_{22}\mu_{34} + 4\mu_{02}\mu_{21}\mu_{31}\mu_{13}\mu_{43} - \mu_{02}\mu_{21}\mu_{31}\mu_{04}\mu_{52} \\
& +12\mu_{02}\mu_{21}\mu_{22}^2\mu_{43} - 8\mu_{02}\mu_{21}\mu_{22}\mu_{13}\mu_{52} + 2\mu_{02}\mu_{21}\mu_{22}\mu_{04}\mu_{61} \\
& +2\mu_{02}\mu_{12}\mu_{40}^2\mu_{16} - 9\mu_{02}\mu_{12}\mu_{40}\mu_{31}\mu_{25} + 11\mu_{02}\mu_{12}\mu_{40}\mu_{22}\mu_{34} \\
& -8\mu_{02}\mu_{12}\mu_{40}\mu_{13}\mu_{43} + 2\mu_{02}\mu_{12}\mu_{40}\mu_{04}\mu_{52} + 4\mu_{02}\mu_{12}\mu_{31}^2\mu_{34} \\
& -2\mu_{02}\mu_{12}\mu_{31}\mu_{22}\mu_{43} + 4\mu_{02}\mu_{12}\mu_{31}\mu_{13}\mu_{52} - \mu_{02}\mu_{12}\mu_{31}\mu_{04}\mu_{61} \\
& -6\mu_{02}\mu_{12}\mu_{22}^2\mu_{52} + 4\mu_{02}\mu_{12}\mu_{22}\mu_{13}\mu_{61} - \mu_{02}\mu_{12}\mu_{22}\mu_{04}\mu_{70} \\
& -\mu_{02}\mu_{03}\mu_{40}^2\mu_{25} + 5\mu_{02}\mu_{03}\mu_{40}\mu_{31}\mu_{34} - 6\mu_{02}\mu_{03}\mu_{40}\mu_{22}\mu_{43} \\
& +4\mu_{02}\mu_{03}\mu_{40}\mu_{13}\mu_{52} - \mu_{02}\mu_{03}\mu_{40}\mu_{04}\mu_{61} - 4\mu_{02}\mu_{03}\mu_{31}^2\mu_{43} \\
& +6\mu_{02}\mu_{03}\mu_{31}\mu_{22}\mu_{52} - 4\mu_{02}\mu_{03}\mu_{31}\mu_{13}\mu_{61} + \mu_{02}\mu_{03}\mu_{31}\mu_{04}\mu_{70})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,1,2,0,0,1

Generating graph:

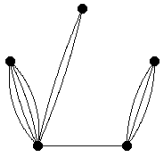
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |



$$
\begin{aligned}
I_{246} \;=\; & (\mu_{20}\mu_{30}\mu_{40}\mu_{13}\mu_{07} - \mu_{20}\mu_{30}\mu_{40}\mu_{04}\mu_{16} - 4\mu_{20}\mu_{30}\mu_{31}\mu_{13}\mu_{16} \\
& +4\mu_{20}\mu_{30}\mu_{31}\mu_{04}\mu_{25} + 6\mu_{20}\mu_{30}\mu_{22}\mu_{13}\mu_{25} - 6\mu_{20}\mu_{30}\mu_{22}\mu_{04}\mu_{34} \\
& -4\mu_{20}\mu_{30}\mu_{13}^2\mu_{34} + 5\mu_{20}\mu_{30}\mu_{13}\mu_{04}\mu_{43} - \mu_{20}\mu_{30}\mu_{04}^2\mu_{52} \\
& -3\mu_{20}\mu_{21}\mu_{40}\mu_{22}\mu_{07} + 3\mu_{20}\mu_{21}\mu_{40}\mu_{13}\mu_{16} + 12\mu_{20}\mu_{21}\mu_{31}\mu_{22}\mu_{16} \\
& -12\mu_{20}\mu_{21}\mu_{31}\mu_{13}\mu_{25} - 18\mu_{20}\mu_{21}\mu_{22}^2\mu_{25} + 30\mu_{20}\mu_{21}\mu_{22}\mu_{13}\mu_{34} \\
& -3\mu_{20}\mu_{21}\mu_{22}\mu_{04}\mu_{43} - 12\mu_{20}\mu_{21}\mu_{13}^2\mu_{43} + 3\mu_{20}\mu_{21}\mu_{13}\mu_{04}\mu_{52} \\
& +3\mu_{20}\mu_{12}\mu_{40}\mu_{31}\mu_{07} - 3\mu_{20}\mu_{12}\mu_{40}\mu_{22}\mu_{16} - 12\mu_{20}\mu_{12}\mu_{31}^2\mu_{16} \\
& +30\mu_{20}\mu_{12}\mu_{31}\mu_{22}\mu_{25} - 12\mu_{20}\mu_{12}\mu_{31}\mu_{13}\mu_{34} + 3\mu_{20}\mu_{12}\mu_{31}\mu_{04}\mu_{43} \\
& -18\mu_{20}\mu_{12}\mu_{22}^2\mu_{34} + 12\mu_{20}\mu_{12}\mu_{22}\mu_{13}\mu_{43} - 3\mu_{20}\mu_{12}\mu_{22}\mu_{04}\mu_{52} \\
& -\mu_{20}\mu_{03}\mu_{40}^2\mu_{07} + 5\mu_{20}\mu_{03}\mu_{40}\mu_{31}\mu_{16} - 6\mu_{20}\mu_{03}\mu_{40}\mu_{22}\mu_{25} \\
& +4\mu_{20}\mu_{03}\mu_{40}\mu_{13}\mu_{34} - \mu_{20}\mu_{03}\mu_{40}\mu_{04}\mu_{43} - 4\mu_{20}\mu_{03}\mu_{31}^2\mu_{25} \\
& +6\mu_{20}\mu_{03}\mu_{31}\mu_{22}\mu_{34} - 4\mu_{20}\mu_{03}\mu_{31}\mu_{13}\mu_{43} + \mu_{20}\mu_{03}\mu_{31}\mu_{04}\mu_{52} \\
& -2\mu_{11}\mu_{30}\mu_{40}\mu_{13}\mu_{16} + 2\mu_{11}\mu_{30}\mu_{40}\mu_{04}\mu_{25} + 8\mu_{11}\mu_{30}\mu_{31}\mu_{13}\mu_{25} \\
& -8\mu_{11}\mu_{30}\mu_{31}\mu_{04}\mu_{34} - 12\mu_{11}\mu_{30}\mu_{22}\mu_{13}\mu_{34} + 12\mu_{11}\mu_{30}\mu_{22}\mu_{04}\mu_{43} \\
& +8\mu_{11}\mu_{30}\mu_{13}^2\mu_{43} - 10\mu_{11}\mu_{30}\mu_{13}\mu_{04}\mu_{52} + 2\mu_{11}\mu_{30}\mu_{04}^2\mu_{61} \\
& +6\mu_{11}\mu_{21}\mu_{40}\mu_{22}\mu_{16} - 6\mu_{11}\mu_{21}\mu_{40}\mu_{13}\mu_{25} - 24\mu_{11}\mu_{21}\mu_{31}\mu_{22}\mu_{25} \\
& +24\mu_{11}\mu_{21}\mu_{31}\mu_{13}\mu_{34} + 36\mu_{11}\mu_{21}\mu_{22}^2\mu_{34} - 60\mu_{11}\mu_{21}\mu_{22}\mu_{13}\mu_{43} \\
& +6\mu_{11}\mu_{21}\mu_{22}\mu_{04}\mu_{52} + 24\mu_{11}\mu_{21}\mu_{13}^2\mu_{52} - 6\mu_{11}\mu_{21}\mu_{13}\mu_{04}\mu_{61} \\
& -6\mu_{11}\mu_{12}\mu_{40}\mu_{31}\mu_{16} + 6\mu_{11}\mu_{12}\mu_{40}\mu_{22}\mu_{25} + 24\mu_{11}\mu_{12}\mu_{31}^2\mu_{25} \\
& -60\mu_{11}\mu_{12}\mu_{31}\mu_{22}\mu_{34} + 24\mu_{11}\mu_{12}\mu_{31}\mu_{13}\mu_{43} - 6\mu_{11}\mu_{12}\mu_{31}\mu_{04}\mu_{52} \\
& +36\mu_{11}\mu_{12}\mu_{22}^2\mu_{43} - 24\mu_{11}\mu_{12}\mu_{22}\mu_{13}\mu_{52} + 6\mu_{11}\mu_{12}\mu_{22}\mu_{04}\mu_{61} \\
& +2\mu_{11}\mu_{03}\mu_{40}^2\mu_{16} - 10\mu_{11}\mu_{03}\mu_{40}\mu_{31}\mu_{25} + 12\mu_{11}\mu_{03}\mu_{40}\mu_{22}\mu_{34} \\
& -8\mu_{11}\mu_{03}\mu_{40}\mu_{13}\mu_{43} + 2\mu_{11}\mu_{03}\mu_{40}\mu_{04}\mu_{52} + 8\mu_{11}\mu_{03}\mu_{31}^2\mu_{34} \\
& -12\mu_{11}\mu_{03}\mu_{31}\mu_{22}\mu_{43} + 8\mu_{11}\mu_{03}\mu_{31}\mu_{13}\mu_{52} - 2\mu_{11}\mu_{03}\mu_{31}\mu_{04}\mu_{61} \\
& +\mu_{02}\mu_{30}\mu_{40}\mu_{13}\mu_{25} - \mu_{02}\mu_{30}\mu_{40}\mu_{04}\mu_{34} - 4\mu_{02}\mu_{30}\mu_{31}\mu_{13}\mu_{34} \\
& +4\mu_{02}\mu_{30}\mu_{31}\mu_{04}\mu_{43} + 6\mu_{02}\mu_{30}\mu_{22}\mu_{13}\mu_{43} - 6\mu_{02}\mu_{30}\mu_{22}\mu_{04}\mu_{52} \\
& -4\mu_{02}\mu_{30}\mu_{13}^2\mu_{52} + 5\mu_{02}\mu_{30}\mu_{13}\mu_{04}\mu_{61} - \mu_{02}\mu_{30}\mu_{04}^2\mu_{70} \\
& -3\mu_{02}\mu_{21}\mu_{40}\mu_{22}\mu_{25} + 3\mu_{02}\mu_{21}\mu_{40}\mu_{13}\mu_{34} + 12\mu_{02}\mu_{21}\mu_{31}\mu_{22}\mu_{34} \\
& -12\mu_{02}\mu_{21}\mu_{31}\mu_{13}\mu_{43} - 18\mu_{02}\mu_{21}\mu_{22}^2\mu_{43} + 30\mu_{02}\mu_{21}\mu_{22}\mu_{13}\mu_{52} \\
& -3\mu_{02}\mu_{21}\mu_{22}\mu_{04}\mu_{61} - 12\mu_{02}\mu_{21}\mu_{13}^2\mu_{61} + 3\mu_{02}\mu_{21}\mu_{13}\mu_{04}\mu_{70} \\
& +3\mu_{02}\mu_{12}\mu_{40}\mu_{31}\mu_{25} - 3\mu_{02}\mu_{12}\mu_{40}\mu_{22}\mu_{34} - 12\mu_{02}\mu_{12}\mu_{31}^2\mu_{34} \\
& +30\mu_{02}\mu_{12}\mu_{31}\mu_{22}\mu_{43} - 12\mu_{02}\mu_{12}\mu_{31}\mu_{13}\mu_{52} + 3\mu_{02}\mu_{12}\mu_{31}\mu_{04}\mu_{61} \\
& -18\mu_{02}\mu_{12}\mu_{22}^2\mu_{52} + 12\mu_{02}\mu_{12}\mu_{22}\mu_{13}\mu_{61} - 3\mu_{02}\mu_{12}\mu_{22}\mu_{04}\mu_{70} \\
& -\mu_{02}\mu_{03}\mu_{40}^2\mu_{25} + 5\mu_{02}\mu_{03}\mu_{40}\mu_{31}\mu_{34} - 6\mu_{02}\mu_{03}\mu_{40}\mu_{22}\mu_{43} \\
& +4\mu_{02}\mu_{03}\mu_{40}\mu_{13}\mu_{52} - \mu_{02}\mu_{03}\mu_{40}\mu_{04}\mu_{61} - 4\mu_{02}\mu_{03}\mu_{31}^2\mu_{43} \\
& +6\mu_{02}\mu_{03}\mu_{31}\mu_{22}\mu_{52} - 4\mu_{02}\mu_{03}\mu_{31}\mu_{13}\mu_{61} + \mu_{02}\mu_{03}\mu_{31}\mu_{04}\mu_{70})/\mu_{00}^{15}
\end{aligned}
$$

weight=10
structure: 1,1,2,0,0,1
Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



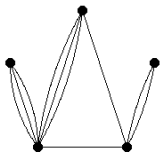
$$
\begin{aligned}
I_{247} \;=\; & (\mu_{20}\mu_{30}\mu_{40}\mu_{13}\mu_{07} - \mu_{20}\mu_{30}\mu_{40}\mu_{04}\mu_{16} - \mu_{20}\mu_{30}\mu_{31}\mu_{22}\mu_{07} \\
& -2\mu_{20}\mu_{30}\mu_{31}\mu_{13}\mu_{16} + 3\mu_{20}\mu_{30}\mu_{31}\mu_{04}\mu_{25} + 3\mu_{20}\mu_{30}\mu_{22}^2\mu_{16} \\
& -3\mu_{20}\mu_{30}\mu_{22}\mu_{13}\mu_{25} - 2\mu_{20}\mu_{30}\mu_{22}\mu_{04}\mu_{34} + 2\mu_{20}\mu_{30}\mu_{13}^2\mu_{34} \\
& -3\mu_{20}\mu_{21}\mu_{40}\mu_{13}\mu_{16} + 3\mu_{20}\mu_{21}\mu_{40}\mu_{04}\mu_{25} + 3\mu_{20}\mu_{21}\mu_{31}\mu_{22}\mu_{16} \\
& +6\mu_{20}\mu_{21}\mu_{31}\mu_{13}\mu_{25} - 9\mu_{20}\mu_{21}\mu_{31}\mu_{04}\mu_{34} - 9\mu_{20}\mu_{21}\mu_{22}^2\mu_{25} \\
& +9\mu_{20}\mu_{21}\mu_{22}\mu_{13}\mu_{34} + 6\mu_{20}\mu_{21}\mu_{22}\mu_{04}\mu_{43} - 6\mu_{20}\mu_{21}\mu_{13}^2\mu_{43} \\
& +3\mu_{20}\mu_{12}\mu_{40}\mu_{13}\mu_{25} - 3\mu_{20}\mu_{12}\mu_{40}\mu_{04}\mu_{34} - 3\mu_{20}\mu_{12}\mu_{31}\mu_{22}\mu_{25} \\
& -6\mu_{20}\mu_{12}\mu_{31}\mu_{13}\mu_{34} + 9\mu_{20}\mu_{12}\mu_{31}\mu_{04}\mu_{43} + 9\mu_{20}\mu_{12}\mu_{22}^2\mu_{34} \\
& -9\mu_{20}\mu_{12}\mu_{22}\mu_{13}\mu_{43} - 6\mu_{20}\mu_{12}\mu_{22}\mu_{04}\mu_{52} + 6\mu_{20}\mu_{12}\mu_{13}^2\mu_{52} \\
& -\mu_{20}\mu_{03}\mu_{40}\mu_{13}\mu_{34} + \mu_{20}\mu_{03}\mu_{40}\mu_{04}\mu_{43} + \mu_{20}\mu_{03}\mu_{31}\mu_{22}\mu_{34} \\
& +2\mu_{20}\mu_{03}\mu_{31}\mu_{13}\mu_{43} - 3\mu_{20}\mu_{03}\mu_{31}\mu_{04}\mu_{52} - 3\mu_{20}\mu_{03}\mu_{22}^2\mu_{43} \\
& +3\mu_{20}\mu_{03}\mu_{22}\mu_{13}\mu_{52} + 2\mu_{20}\mu_{03}\mu_{22}\mu_{04}\mu_{61} - 2\mu_{20}\mu_{03}\mu_{13}^2\mu_{61} \\
& -2\mu_{11}\mu_{30}\mu_{40}\mu_{22}\mu_{07} + 2\mu_{11}\mu_{30}\mu_{40}\mu_{13}\mu_{16} + 2\mu_{11}\mu_{30}\mu_{31}^2\mu_{07} \\
& -2\mu_{11}\mu_{30}\mu_{31}\mu_{22}\mu_{16} - 2\mu_{11}\mu_{30}\mu_{31}\mu_{04}\mu_{34} + 2\mu_{11}\mu_{30}\mu_{22}\mu_{13}\mu_{34} \\
& +2\mu_{11}\mu_{30}\mu_{22}\mu_{04}\mu_{43} - 2\mu_{11}\mu_{30}\mu_{13}^2\mu_{43} + 6\mu_{11}\mu_{21}\mu_{40}\mu_{22}\mu_{16} \\
& -6\mu_{11}\mu_{21}\mu_{40}\mu_{13}\mu_{25} - 6\mu_{11}\mu_{21}\mu_{31}^2\mu_{16} + 6\mu_{11}\mu_{21}\mu_{31}\mu_{22}\mu_{25} \\
& +6\mu_{11}\mu_{21}\mu_{31}\mu_{04}\mu_{43} - 6\mu_{11}\mu_{21}\mu_{22}\mu_{13}\mu_{43} - 6\mu_{11}\mu_{21}\mu_{22}\mu_{04}\mu_{52} \\
& +6\mu_{11}\mu_{21}\mu_{13}^2\mu_{52} - 6\mu_{11}\mu_{12}\mu_{40}\mu_{22}\mu_{25} + 6\mu_{11}\mu_{12}\mu_{40}\mu_{13}\mu_{34} \\
& +6\mu_{11}\mu_{12}\mu_{31}^2\mu_{25} - 6\mu_{11}\mu_{12}\mu_{31}\mu_{22}\mu_{34} - 6\mu_{11}\mu_{12}\mu_{31}\mu_{04}\mu_{52} \\
& +6\mu_{11}\mu_{12}\mu_{22}\mu_{13}\mu_{52} + 6\mu_{11}\mu_{12}\mu_{22}\mu_{04}\mu_{61} - 6\mu_{11}\mu_{12}\mu_{13}^2\mu_{61} \\
& +2\mu_{11}\mu_{03}\mu_{40}\mu_{22}\mu_{34} - 2\mu_{11}\mu_{03}\mu_{40}\mu_{13}\mu_{43} - 2\mu_{11}\mu_{03}\mu_{31}^2\mu_{34} \\
& +2\mu_{11}\mu_{03}\mu_{31}\mu_{22}\mu_{43} + 2\mu_{11}\mu_{03}\mu_{31}\mu_{04}\mu_{61} - 2\mu_{11}\mu_{03}\mu_{22}\mu_{13}\mu_{61} \\
& -2\mu_{11}\mu_{03}\mu_{22}\mu_{04}\mu_{70} + 2\mu_{11}\mu_{03}\mu_{13}^2\mu_{70} + 2\mu_{02}\mu_{30}\mu_{40}\mu_{22}\mu_{16} \\
& -3\mu_{02}\mu_{30}\mu_{40}\mu_{13}\mu_{25} + \mu_{02}\mu_{30}\mu_{40}\mu_{04}\mu_{34} - 2\mu_{02}\mu_{30}\mu_{31}^2\mu_{16} \\
& +3\mu_{02}\mu_{30}\mu_{31}\mu_{22}\mu_{25} + 2\mu_{02}\mu_{30}\mu_{31}\mu_{13}\mu_{34} - \mu_{02}\mu_{30}\mu_{31}\mu_{04}\mu_{43} \\
& -3\mu_{02}\mu_{30}\mu_{22}^2\mu_{34} + \mu_{02}\mu_{30}\mu_{22}\mu_{13}\mu_{43} - 6\mu_{02}\mu_{21}\mu_{40}\mu_{22}\mu_{25} \\
& +9\mu_{02}\mu_{21}\mu_{40}\mu_{13}\mu_{34} - 3\mu_{02}\mu_{21}\mu_{40}\mu_{04}\mu_{43} + 6\mu_{02}\mu_{21}\mu_{31}^2\mu_{25} \\
& -9\mu_{02}\mu_{21}\mu_{31}\mu_{22}\mu_{34} - 6\mu_{02}\mu_{21}\mu_{31}\mu_{13}\mu_{43} + 3\mu_{02}\mu_{21}\mu_{31}\mu_{04}\mu_{52} \\
& +9\mu_{02}\mu_{21}\mu_{22}^2\mu_{43} - 3\mu_{02}\mu_{21}\mu_{22}\mu_{13}\mu_{52} + 6\mu_{02}\mu_{12}\mu_{40}\mu_{22}\mu_{34} \\
& -9\mu_{02}\mu_{12}\mu_{40}\mu_{13}\mu_{43} + 3\mu_{02}\mu_{12}\mu_{40}\mu_{04}\mu_{52} - 6\mu_{02}\mu_{12}\mu_{31}^2\mu_{34} \\
& +9\mu_{02}\mu_{12}\mu_{31}\mu_{22}\mu_{43} + 6\mu_{02}\mu_{12}\mu_{31}\mu_{13}\mu_{52} - 3\mu_{02}\mu_{12}\mu_{31}\mu_{04}\mu_{61} \\
& -9\mu_{02}\mu_{12}\mu_{22}^2\mu_{52} + 3\mu_{02}\mu_{12}\mu_{22}\mu_{13}\mu_{61} - 2\mu_{02}\mu_{03}\mu_{40}\mu_{22}\mu_{43} \\
& +3\mu_{02}\mu_{03}\mu_{40}\mu_{13}\mu_{52} - \mu_{02}\mu_{03}\mu_{40}\mu_{04}\mu_{61} + 2\mu_{02}\mu_{03}\mu_{31}^2\mu_{43} \\
& -3\mu_{02}\mu_{03}\mu_{31}\mu_{22}\mu_{52} - 2\mu_{02}\mu_{03}\mu_{31}\mu_{13}\mu_{61} + \mu_{02}\mu_{03}\mu_{31}\mu_{04}\mu_{70} \\
& +3\mu_{02}\mu_{03}\mu_{22}^2\mu_{61} - \mu_{02}\mu_{03}\mu_{22}\mu_{13}\mu_{70})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,1,2,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 |



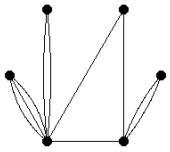
$$
\begin{aligned}
I_{248} \;=\; & (\mu_{20}^3\mu_{30}\mu_{13}\mu_{07} - \mu_{20}^3\mu_{30}\mu_{04}\mu_{16} - 3\mu_{20}^3\mu_{21}\mu_{13}\mu_{16} + 3\mu_{20}^3\mu_{21}\mu_{04}\mu_{25} \\
& +3\mu_{20}^3\mu_{12}\mu_{13}\mu_{25} - 3\mu_{20}^3\mu_{12}\mu_{04}\mu_{34} - \mu_{20}^3\mu_{03}\mu_{13}\mu_{34} + \mu_{20}^3\mu_{03}\mu_{04}\mu_{43} \\
& -3\mu_{20}^2\mu_{11}\mu_{30}\mu_{22}\mu_{07} + 3\mu_{20}^2\mu_{11}\mu_{30}\mu_{04}\mu_{25} + 9\mu_{20}^2\mu_{11}\mu_{21}\mu_{22}\mu_{16} \\
& -9\mu_{20}^2\mu_{11}\mu_{21}\mu_{04}\mu_{34} - 9\mu_{20}^2\mu_{11}\mu_{12}\mu_{22}\mu_{25} + 9\mu_{20}^2\mu_{11}\mu_{12}\mu_{04}\mu_{43} \\
& +3\mu_{20}^2\mu_{11}\mu_{03}\mu_{22}\mu_{34} - 3\mu_{20}^2\mu_{11}\mu_{03}\mu_{04}\mu_{52} + \mu_{20}^2\mu_{02}\mu_{30}\mu_{31}\mu_{07} \\
& -\mu_{20}^2\mu_{02}\mu_{30}\mu_{04}\mu_{34} - 3\mu_{20}^2\mu_{02}\mu_{21}\mu_{31}\mu_{16} + 3\mu_{20}^2\mu_{02}\mu_{21}\mu_{04}\mu_{43} \\
& +3\mu_{20}^2\mu_{02}\mu_{12}\mu_{31}\mu_{25} - 3\mu_{20}^2\mu_{02}\mu_{12}\mu_{04}\mu_{52} - \mu_{20}^2\mu_{02}\mu_{03}\mu_{31}\mu_{34} \\
& +\mu_{20}^2\mu_{02}\mu_{03}\mu_{04}\mu_{61} + 2\mu_{20}\mu_{11}^2\mu_{30}\mu_{31}\mu_{07} + 6\mu_{20}\mu_{11}^2\mu_{30}\mu_{22}\mu_{16} \\
& -6\mu_{20}\mu_{11}^2\mu_{30}\mu_{13}\mu_{25} - 2\mu_{20}\mu_{11}^2\mu_{30}\mu_{04}\mu_{34} - 6\mu_{20}\mu_{11}^2\mu_{21}\mu_{31}\mu_{16} \\
& -18\mu_{20}\mu_{11}^2\mu_{21}\mu_{22}\mu_{25} + 18\mu_{20}\mu_{11}^2\mu_{21}\mu_{13}\mu_{34} + 6\mu_{20}\mu_{11}^2\mu_{21}\mu_{04}\mu_{43} \\
& +6\mu_{20}\mu_{11}^2\mu_{12}\mu_{31}\mu_{25} + 18\mu_{20}\mu_{11}^2\mu_{12}\mu_{22}\mu_{34} - 18\mu_{20}\mu_{11}^2\mu_{12}\mu_{13}\mu_{43} \\
& -6\mu_{20}\mu_{11}^2\mu_{12}\mu_{04}\mu_{52} - 2\mu_{20}\mu_{11}^2\mu_{03}\mu_{31}\mu_{34} - 6\mu_{20}\mu_{11}^2\mu_{03}\mu_{22}\mu_{43} \\
& +6\mu_{20}\mu_{11}^2\mu_{03}\mu_{13}\mu_{52} + 2\mu_{20}\mu_{11}^2\mu_{03}\mu_{04}\mu_{61} - \mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{40}\mu_{07} \\
& -4\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{16} + 4\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{13}\mu_{34} \\
& +\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{04}\mu_{43} + 3\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{16} \\
& +12\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{25} - 12\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{13}\mu_{43} \\
& -3\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{04}\mu_{52} - 3\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{25} \\
& -12\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{34} + 12\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{13}\mu_{52} \\
& +3\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{04}\mu_{61} + \mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{34} \\
& +4\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{31}\mu_{43} - 4\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{13}\mu_{61} \\
& -\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{04}\mu_{70} + \mu_{20}\mu_{02}^2\mu_{30}\mu_{40}\mu_{16} - \mu_{20}\mu_{02}^2\mu_{30}\mu_{13}\mu_{43} \\
& -3\mu_{20}\mu_{02}^2\mu_{21}\mu_{40}\mu_{25} + 3\mu_{20}\mu_{02}^2\mu_{21}\mu_{13}\mu_{52} + 3\mu_{20}\mu_{02}^2\mu_{12}\mu_{40}\mu_{34} \\
& -3\mu_{20}\mu_{02}^2\mu_{12}\mu_{13}\mu_{61} - \mu_{20}\mu_{02}^2\mu_{03}\mu_{40}\mu_{43} + \mu_{20}\mu_{02}^2\mu_{03}\mu_{13}\mu_{70} \\
& -4\mu_{11}^3\mu_{30}\mu_{31}\mu_{16} + 4\mu_{11}^3\mu_{30}\mu_{13}\mu_{34} + 12\mu_{11}^3\mu_{21}\mu_{31}\mu_{25} - 12\mu_{11}^3\mu_{21}\mu_{13}\mu_{43} \\
& -12\mu_{11}^3\mu_{12}\mu_{31}\mu_{34} + 12\mu_{11}^3\mu_{12}\mu_{13}\mu_{52} + 4\mu_{11}^3\mu_{03}\mu_{31}\mu_{43} - 4\mu_{11}^3\mu_{03}\mu_{13}\mu_{61} \\
& +2\mu_{11}^2\mu_{02}\mu_{30}\mu_{40}\mu_{16} + 6\mu_{11}^2\mu_{02}\mu_{30}\mu_{31}\mu_{25} - 6\mu_{11}^2\mu_{02}\mu_{30}\mu_{22}\mu_{34} \\
& -2\mu_{11}^2\mu_{02}\mu_{30}\mu_{13}\mu_{43} - 6\mu_{11}^2\mu_{02}\mu_{21}\mu_{40}\mu_{25} - 18\mu_{11}^2\mu_{02}\mu_{21}\mu_{31}\mu_{34} \\
& +18\mu_{11}^2\mu_{02}\mu_{21}\mu_{22}\mu_{43} + 6\mu_{11}^2\mu_{02}\mu_{21}\mu_{13}\mu_{52} + 6\mu_{11}^2\mu_{02}\mu_{12}\mu_{40}\mu_{34} \\
& +18\mu_{11}^2\mu_{02}\mu_{12}\mu_{31}\mu_{43} - 18\mu_{11}^2\mu_{02}\mu_{12}\mu_{22}\mu_{52} - 6\mu_{11}^2\mu_{02}\mu_{12}\mu_{13}\mu_{61} \\
& -2\mu_{11}^2\mu_{02}\mu_{03}\mu_{40}\mu_{43} - 6\mu_{11}^2\mu_{02}\mu_{03}\mu_{31}\mu_{52} + 6\mu_{11}^2\mu_{02}\mu_{03}\mu_{22}\mu_{61} \\
& +2\mu_{11}^2\mu_{02}\mu_{03}\mu_{13}\mu_{70} - 3\mu_{11}\mu_{02}^2\mu_{30}\mu_{40}\mu_{25} + 3\mu_{11}\mu_{02}^2\mu_{30}\mu_{22}\mu_{43} \\
& +9\mu_{11}\mu_{02}^2\mu_{21}\mu_{40}\mu_{34} - 9\mu_{11}\mu_{02}^2\mu_{21}\mu_{22}\mu_{52} - 9\mu_{11}\mu_{02}^2\mu_{12}\mu_{40}\mu_{43} \\
& +9\mu_{11}\mu_{02}^2\mu_{12}\mu_{22}\mu_{61} + 3\mu_{11}\mu_{02}^2\mu_{03}\mu_{40}\mu_{52} - 3\mu_{11}\mu_{02}^2\mu_{03}\mu_{22}\mu_{70} \\
& +\mu_{02}^3\mu_{30}\mu_{40}\mu_{34} - \mu_{02}^3\mu_{30}\mu_{31}\mu_{43} - 3\mu_{02}^3\mu_{21}\mu_{40}\mu_{43} + 3\mu_{02}^3\mu_{21}\mu_{31}\mu_{52} \\
& +3\mu_{02}^3\mu_{12}\mu_{40}\mu_{52} - 3\mu_{02}^3\mu_{12}\mu_{31}\mu_{61} - \mu_{02}^3\mu_{03}\mu_{40}\mu_{61} + \mu_{02}^3\mu_{03}\mu_{31}\mu_{70})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 3,1,1,0,0,1

Generating graph:

| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |



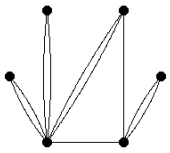
$$
\begin{aligned}
I_{249} \;=\; & (\mu_{20}^3\mu_{30}\mu_{13}\mu_{07} - \mu_{20}^3\mu_{30}\mu_{04}\mu_{16} - \mu_{20}^3\mu_{21}\mu_{22}\mu_{07} - \mu_{20}^3\mu_{21}\mu_{13}\mu_{16} \\
& +2\mu_{20}^3\mu_{21}\mu_{04}\mu_{25} + 2\mu_{20}^3\mu_{12}\mu_{22}\mu_{16} - \mu_{20}^3\mu_{12}\mu_{13}\mu_{25} - \mu_{20}^3\mu_{12}\mu_{04}\mu_{34} \\
& -\mu_{20}^3\mu_{03}\mu_{22}\mu_{25} + \mu_{20}^3\mu_{03}\mu_{13}\mu_{34} - 2\mu_{20}^2\mu_{11}\mu_{30}\mu_{22}\mu_{07} \\
& -2\mu_{20}^2\mu_{11}\mu_{30}\mu_{13}\mu_{16} + 4\mu_{20}^2\mu_{11}\mu_{30}\mu_{04}\mu_{25} + 2\mu_{20}^2\mu_{11}\mu_{21}\mu_{31}\mu_{07} \\
& +6\mu_{20}^2\mu_{11}\mu_{21}\mu_{22}\mu_{16} - 8\mu_{20}^2\mu_{11}\mu_{21}\mu_{04}\mu_{34} - 4\mu_{20}^2\mu_{11}\mu_{12}\mu_{31}\mu_{16} \\
& -6\mu_{20}^2\mu_{11}\mu_{12}\mu_{22}\mu_{25} + 6\mu_{20}^2\mu_{11}\mu_{12}\mu_{13}\mu_{34} + 4\mu_{20}^2\mu_{11}\mu_{12}\mu_{04}\mu_{43} \\
& +2\mu_{20}^2\mu_{11}\mu_{03}\mu_{31}\mu_{25} + 2\mu_{20}^2\mu_{11}\mu_{03}\mu_{22}\mu_{34} - 4\mu_{20}^2\mu_{11}\mu_{03}\mu_{13}\mu_{43} \\
& +\mu_{20}^2\mu_{02}\mu_{30}\mu_{31}\mu_{07} - \mu_{20}^2\mu_{02}\mu_{30}\mu_{22}\mu_{16} + 2\mu_{20}^2\mu_{02}\mu_{30}\mu_{13}\mu_{25} \\
& -2\mu_{20}^2\mu_{02}\mu_{30}\mu_{04}\mu_{34} - \mu_{20}^2\mu_{02}\mu_{21}\mu_{40}\mu_{07} - \mu_{20}^2\mu_{02}\mu_{21}\mu_{31}\mu_{16} \\
& -2\mu_{20}^2\mu_{02}\mu_{21}\mu_{13}\mu_{34} + 4\mu_{20}^2\mu_{02}\mu_{21}\mu_{04}\mu_{43} + 2\mu_{20}^2\mu_{02}\mu_{12}\mu_{40}\mu_{16} \\
& -\mu_{20}^2\mu_{02}\mu_{12}\mu_{31}\mu_{25} + 3\mu_{20}^2\mu_{02}\mu_{12}\mu_{22}\mu_{34} - 2\mu_{20}^2\mu_{02}\mu_{12}\mu_{13}\mu_{43} \\
& -2\mu_{20}^2\mu_{02}\mu_{12}\mu_{04}\mu_{52} - \mu_{20}^2\mu_{02}\mu_{03}\mu_{40}\mu_{25} + \mu_{20}^2\mu_{02}\mu_{03}\mu_{31}\mu_{34} \\
& -2\mu_{20}^2\mu_{02}\mu_{03}\mu_{22}\mu_{43} + 2\mu_{20}^2\mu_{02}\mu_{03}\mu_{13}\mu_{52} + 8\mu_{20}\mu_{11}^2\mu_{30}\mu_{22}\mu_{16} \\
& -4\mu_{20}\mu_{11}^2\mu_{30}\mu_{13}\mu_{25} - 4\mu_{20}\mu_{11}^2\mu_{30}\mu_{04}\mu_{34} - 8\mu_{20}\mu_{11}^2\mu_{21}\mu_{31}\mu_{16} \\
& -12\mu_{20}\mu_{11}^2\mu_{21}\mu_{22}\mu_{25} + 12\mu_{20}\mu_{11}^2\mu_{21}\mu_{13}\mu_{34} + 8\mu_{20}\mu_{11}^2\mu_{21}\mu_{04}\mu_{43} \\
& +16\mu_{20}\mu_{11}^2\mu_{12}\mu_{31}\mu_{25} - 12\mu_{20}\mu_{11}^2\mu_{12}\mu_{13}\mu_{43} - 4\mu_{20}\mu_{11}^2\mu_{12}\mu_{04}\mu_{52} \\
& -8\mu_{20}\mu_{11}^2\mu_{03}\mu_{31}\mu_{34} + 4\mu_{20}\mu_{11}^2\mu_{03}\mu_{22}\mu_{43} + 4\mu_{20}\mu_{11}^2\mu_{03}\mu_{13}\mu_{52} \\
& -4\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{16} + 4\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{04}\mu_{43} \\
& +4\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{16} + 8\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{25} \\
& -4\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{13}\mu_{43} - 8\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{04}\mu_{52} \\
& -8\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{25} - 4\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{34} \\
& +8\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{13}\mu_{52} + 4\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{04}\mu_{61} \\
& +4\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{34} - 4\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{13}\mu_{61} \\
& +2\mu_{20}\mu_{02}^2\mu_{30}\mu_{31}\mu_{25} - 2\mu_{20}\mu_{02}^2\mu_{30}\mu_{22}\mu_{34} + \mu_{20}\mu_{02}^2\mu_{30}\mu_{13}\mu_{43} \\
& -\mu_{20}\mu_{02}^2\mu_{30}\mu_{04}\mu_{52} - 2\mu_{20}\mu_{02}^2\mu_{21}\mu_{40}\mu_{25} - 2\mu_{20}\mu_{02}^2\mu_{21}\mu_{31}\mu_{34} \\
& +3\mu_{20}\mu_{02}^2\mu_{21}\mu_{22}\mu_{43} - \mu_{20}\mu_{02}^2\mu_{21}\mu_{13}\mu_{52} + 2\mu_{20}\mu_{02}^2\mu_{21}\mu_{04}\mu_{61} \\
& +4\mu_{20}\mu_{02}^2\mu_{12}\mu_{40}\mu_{34} - 2\mu_{20}\mu_{02}^2\mu_{12}\mu_{31}\mu_{43} - \mu_{20}\mu_{02}^2\mu_{12}\mu_{13}\mu_{61} \\
& -\mu_{20}\mu_{02}^2\mu_{12}\mu_{04}\mu_{70} - 2\mu_{20}\mu_{02}^2\mu_{03}\mu_{40}\mu_{43} + 2\mu_{20}\mu_{02}^2\mu_{03}\mu_{31}\mu_{52} \\
& -\mu_{20}\mu_{02}^2\mu_{03}\mu_{22}\mu_{61} + \mu_{20}\mu_{02}^2\mu_{03}\mu_{13}\mu_{70} - 8\mu_{11}^3\mu_{30}\mu_{22}\mu_{25} \\
& +8\mu_{11}^3\mu_{30}\mu_{13}\mu_{34} + 8\mu_{11}^3\mu_{21}\mu_{31}\mu_{25} + 8\mu_{11}^3\mu_{21}\mu_{22}\mu_{34} - 16\mu_{11}^3\mu_{21}\mu_{13}\mu_{43} \\
& -16\mu_{11}^3\mu_{12}\mu_{31}\mu_{34} + 8\mu_{11}^3\mu_{12}\mu_{22}\mu_{43} + 8\mu_{11}^3\mu_{12}\mu_{13}\mu_{52} + 8\mu_{11}^3\mu_{03}\mu_{31}\mu_{43} \\
& -8\mu_{11}^3\mu_{03}\mu_{22}\mu_{52} + 4\mu_{11}^2\mu_{02}\mu_{30}\mu_{31}\mu_{25} + 4\mu_{11}^2\mu_{02}\mu_{30}\mu_{22}\mu_{34} \\
& -8\mu_{11}^2\mu_{02}\mu_{30}\mu_{13}\mu_{43} - 4\mu_{11}^2\mu_{02}\mu_{21}\mu_{40}\mu_{25} - 12\mu_{11}^2\mu_{02}\mu_{21}\mu_{31}\mu_{34} \\
& +16\mu_{11}^2\mu_{02}\mu_{21}\mu_{13}\mu_{52} + 8\mu_{11}^2\mu_{02}\mu_{12}\mu_{40}\mu_{34} + 12\mu_{11}^2\mu_{02}\mu_{12}\mu_{31}\mu_{43} \\
& -12\mu_{11}^2\mu_{02}\mu_{12}\mu_{22}\mu_{52} - 8\mu_{11}^2\mu_{02}\mu_{12}\mu_{13}\mu_{61} - 4\mu_{11}^2\mu_{02}\mu_{03}\mu_{40}\mu_{43} \\
& -4\mu_{11}^2\mu_{02}\mu_{03}\mu_{31}\mu_{52} + 8\mu_{11}^2\mu_{02}\mu_{03}\mu_{22}\mu_{61} - 4\mu_{11}\mu_{02}^2\mu_{30}\mu_{31}\mu_{34} \\
& +2\mu_{11}\mu_{02}^2\mu_{30}\mu_{22}\mu_{43} + 2\mu_{11}\mu_{02}^2\mu_{30}\mu_{13}\mu_{52} + 4\mu_{11}\mu_{02}^2\mu_{21}\mu_{40}\mu_{34} \\
& +6\mu_{11}\mu_{02}^2\mu_{21}\mu_{31}\mu_{43} - 6\mu_{11}\mu_{02}^2\mu_{21}\mu_{22}\mu_{52} - 4\mu_{11}\mu_{02}^2\mu_{21}\mu_{13}\mu_{61} \\
& -8\mu_{11}\mu_{02}^2\mu_{12}\mu_{40}\mu_{43} + 6\mu_{11}\mu_{02}^2\mu_{12}\mu_{22}\mu_{61} + 2\mu_{11}\mu_{02}^2\mu_{12}\mu_{13}\mu_{70} \\
& +4\mu_{11}\mu_{02}^2\mu_{03}\mu_{40}\mu_{52} - 2\mu_{11}\mu_{02}^2\mu_{03}\mu_{31}\mu_{61} - 2\mu_{11}\mu_{02}^2\mu_{03}\mu_{22}\mu_{70} \\
& +\mu_{02}^3\mu_{30}\mu_{31}\mu_{43} - \mu_{02}^3\mu_{30}\mu_{22}\mu_{52} - \mu_{02}^3\mu_{21}\mu_{40}\mu_{43} - \mu_{02}^3\mu_{21}\mu_{31}\mu_{52} \\
& +2\mu_{02}^3\mu_{21}\mu_{22}\mu_{61} + 2\mu_{02}^3\mu_{12}\mu_{40}\mu_{52} - \mu_{02}^3\mu_{12}\mu_{31}\mu_{61} - \mu_{02}^3\mu_{12}\mu_{22}\mu_{70} \\
& -\mu_{02}^3\mu_{03}\mu_{40}\mu_{61} + \mu_{02}^3\mu_{03}\mu_{31}\mu_{70})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 3,1,1,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 |



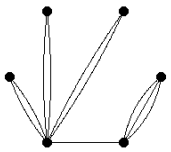
$$
\begin{aligned}
I_{250} \;=\; & (\mu_{20}^3\mu_{30}\mu_{13}\mu_{07} - \mu_{20}^3\mu_{30}\mu_{04}\mu_{16} - 3\mu_{20}^3\mu_{21}\mu_{22}\mu_{07} + 3\mu_{20}^3\mu_{21}\mu_{13}\mu_{16} \\
& + 3\mu_{20}^3\mu_{12}\mu_{31}\mu_{07} - 3\mu_{20}^3\mu_{12}\mu_{22}\mu_{16} - \mu_{20}^3\mu_{03}\mu_{40}\mu_{07} + \mu_{20}^3\mu_{03}\mu_{31}\mu_{16} \\
& - 6\mu_{20}^2\mu_{11}\mu_{30}\mu_{13}\mu_{16} + 6\mu_{20}^2\mu_{11}\mu_{30}\mu_{04}\mu_{25} + 18\mu_{20}^2\mu_{11}\mu_{21}\mu_{22}\mu_{16} \\
& - 18\mu_{20}^2\mu_{11}\mu_{21}\mu_{13}\mu_{25} - 18\mu_{20}^2\mu_{11}\mu_{12}\mu_{31}\mu_{16} + 18\mu_{20}^2\mu_{11}\mu_{12}\mu_{22}\mu_{25} \\
& + 6\mu_{20}^2\mu_{11}\mu_{03}\mu_{40}\mu_{16} - 6\mu_{20}^2\mu_{11}\mu_{03}\mu_{31}\mu_{25} + 3\mu_{20}^2\mu_{02}\mu_{30}\mu_{13}\mu_{25} \\
& - 3\mu_{20}^2\mu_{02}\mu_{30}\mu_{04}\mu_{34} - 9\mu_{20}^2\mu_{02}\mu_{21}\mu_{22}\mu_{25} + 9\mu_{20}^2\mu_{02}\mu_{21}\mu_{13}\mu_{34} \\
& + 9\mu_{20}^2\mu_{02}\mu_{12}\mu_{31}\mu_{25} - 9\mu_{20}^2\mu_{02}\mu_{12}\mu_{22}\mu_{34} - 3\mu_{20}^2\mu_{02}\mu_{03}\mu_{40}\mu_{25} \\
& + 3\mu_{20}^2\mu_{02}\mu_{03}\mu_{31}\mu_{34} + 12\mu_{20}\mu_{11}^2\mu_{30}\mu_{13}\mu_{25} - 12\mu_{20}\mu_{11}^2\mu_{30}\mu_{04}\mu_{34} \\
& - 36\mu_{20}\mu_{11}^2\mu_{21}\mu_{22}\mu_{25} + 36\mu_{20}\mu_{11}^2\mu_{21}\mu_{13}\mu_{34} + 36\mu_{20}\mu_{11}^2\mu_{12}\mu_{31}\mu_{25} \\
& - 36\mu_{20}\mu_{11}^2\mu_{12}\mu_{22}\mu_{34} - 12\mu_{20}\mu_{11}^2\mu_{03}\mu_{40}\mu_{25} + 12\mu_{20}\mu_{11}^2\mu_{03}\mu_{31}\mu_{34} \\
& - 12\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{13}\mu_{34} + 12\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{04}\mu_{43} \\
& + 36\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{22}\mu_{34} - 36\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{13}\mu_{43} \\
& - 36\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{34} + 36\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{22}\mu_{43} \\
& + 12\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{34} - 12\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{31}\mu_{43} \\
& + 3\mu_{20}\mu_{02}^2\mu_{30}\mu_{13}\mu_{43} - 3\mu_{20}\mu_{02}^2\mu_{30}\mu_{04}\mu_{52} - 9\mu_{20}\mu_{02}^2\mu_{21}\mu_{22}\mu_{43} \\
& + 9\mu_{20}\mu_{02}^2\mu_{21}\mu_{13}\mu_{52} + 9\mu_{20}\mu_{02}^2\mu_{12}\mu_{31}\mu_{43} - 9\mu_{20}\mu_{02}^2\mu_{12}\mu_{22}\mu_{52} \\
& - 3\mu_{20}\mu_{02}^2\mu_{03}\mu_{40}\mu_{43} + 3\mu_{20}\mu_{02}^2\mu_{03}\mu_{31}\mu_{52} - 8\mu_{11}^3\mu_{30}\mu_{13}\mu_{34} \\
& + 8\mu_{11}^3\mu_{30}\mu_{04}\mu_{43} + 24\mu_{11}^3\mu_{21}\mu_{22}\mu_{34} - 24\mu_{11}^3\mu_{21}\mu_{13}\mu_{43} - 24\mu_{11}^3\mu_{12}\mu_{31}\mu_{34} \\
& + 24\mu_{11}^3\mu_{12}\mu_{22}\mu_{43} + 8\mu_{11}^3\mu_{03}\mu_{40}\mu_{34} - 8\mu_{11}^3\mu_{03}\mu_{31}\mu_{43} \\
& + 12\mu_{11}^2\mu_{02}\mu_{30}\mu_{13}\mu_{43} - 12\mu_{11}^2\mu_{02}\mu_{30}\mu_{04}\mu_{52} - 36\mu_{11}^2\mu_{02}\mu_{21}\mu_{22}\mu_{43} \\
& + 36\mu_{11}^2\mu_{02}\mu_{21}\mu_{13}\mu_{52} + 36\mu_{11}^2\mu_{02}\mu_{12}\mu_{31}\mu_{43} - 36\mu_{11}^2\mu_{02}\mu_{12}\mu_{22}\mu_{52} \\
& - 12\mu_{11}^2\mu_{02}\mu_{03}\mu_{40}\mu_{43} + 12\mu_{11}^2\mu_{02}\mu_{03}\mu_{31}\mu_{52} - 6\mu_{11}\mu_{02}^2\mu_{30}\mu_{13}\mu_{52} \\
& + 6\mu_{11}\mu_{02}^2\mu_{30}\mu_{04}\mu_{61} + 18\mu_{11}\mu_{02}^2\mu_{21}\mu_{22}\mu_{52} - 18\mu_{11}\mu_{02}^2\mu_{21}\mu_{13}\mu_{61} \\
& - 18\mu_{11}\mu_{02}^2\mu_{12}\mu_{31}\mu_{52} + 18\mu_{11}\mu_{02}^2\mu_{12}\mu_{22}\mu_{61} + 6\mu_{11}\mu_{02}^2\mu_{03}\mu_{40}\mu_{52} \\
& - 6\mu_{11}\mu_{02}^2\mu_{03}\mu_{31}\mu_{61} + \mu_{02}^3\mu_{30}\mu_{13}\mu_{61} - \mu_{02}^3\mu_{30}\mu_{04}\mu_{70} \\
& - 3\mu_{02}^3\mu_{21}\mu_{22}\mu_{61} + 3\mu_{02}^3\mu_{21}\mu_{13}\mu_{70} + 3\mu_{02}^3\mu_{12}\mu_{31}\mu_{61} - 3\mu_{02}^3\mu_{12}\mu_{22}\mu_{70} \\
& - \mu_{02}^3\mu_{03}\mu_{40}\mu_{61} + \mu_{02}^3\mu_{03}\mu_{31}\mu_{70})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 3,1,1,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 6 |

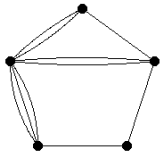


$$
\begin{aligned}
I_{251} \;=\; & (\mu_{20}\mu_{30}\mu_{31}\mu_{22}\mu_{07} - 2\mu_{20}\mu_{30}\mu_{31}\mu_{13}\mu_{16} + \mu_{20}\mu_{30}\mu_{31}\mu_{04}\mu_{25} \\
& -3\mu_{20}\mu_{30}\mu_{22}^2\mu_{16} + 9\mu_{20}\mu_{30}\mu_{22}\mu_{13}\mu_{25} - 4\mu_{20}\mu_{30}\mu_{22}\mu_{04}\mu_{34} \\
& -6\mu_{20}\mu_{30}\mu_{13}^2\mu_{34} + 5\mu_{20}\mu_{30}\mu_{13}\mu_{04}\mu_{43} - \mu_{20}\mu_{30}\mu_{04}^2\mu_{52} \\
& -\mu_{20}\mu_{21}\mu_{31}^2\mu_{07} + 3\mu_{20}\mu_{21}\mu_{31}\mu_{22}\mu_{16} - \mu_{20}\mu_{21}\mu_{31}\mu_{04}\mu_{34} \\
& -9\mu_{20}\mu_{21}\mu_{22}\mu_{13}\mu_{34} + 6\mu_{20}\mu_{21}\mu_{22}\mu_{04}\mu_{43} + 9\mu_{20}\mu_{21}\mu_{13}^2\mu_{43} \\
& -9\mu_{20}\mu_{21}\mu_{13}\mu_{04}\mu_{52} + 2\mu_{20}\mu_{21}\mu_{04}^2\mu_{61} + 2\mu_{20}\mu_{12}\mu_{31}^2\mu_{16} \\
& -9\mu_{20}\mu_{12}\mu_{31}\mu_{22}\mu_{25} + 6\mu_{20}\mu_{12}\mu_{31}\mu_{13}\mu_{34} - \mu_{20}\mu_{12}\mu_{31}\mu_{04}\mu_{43} \\
& +9\mu_{20}\mu_{12}\mu_{22}^2\mu_{34} - 9\mu_{20}\mu_{12}\mu_{22}\mu_{13}\mu_{43} + 3\mu_{20}\mu_{12}\mu_{13}\mu_{04}\mu_{61} \\
& -\mu_{20}\mu_{12}\mu_{04}^2\mu_{70} - \mu_{20}\mu_{03}\mu_{31}^2\mu_{25} + 5\mu_{20}\mu_{03}\mu_{31}\mu_{22}\mu_{34} \\
& -4\mu_{20}\mu_{03}\mu_{31}\mu_{13}\mu_{43} + \mu_{20}\mu_{03}\mu_{31}\mu_{04}\mu_{52} - 6\mu_{20}\mu_{03}\mu_{22}^2\mu_{43} \\
& +9\mu_{20}\mu_{03}\mu_{22}\mu_{13}\mu_{52} - 2\mu_{20}\mu_{03}\mu_{22}\mu_{04}\mu_{61} - 3\mu_{20}\mu_{03}\mu_{13}^2\mu_{61} \\
& +\mu_{20}\mu_{03}\mu_{13}\mu_{04}\mu_{70} - \mu_{11}\mu_{30}\mu_{40}\mu_{22}\mu_{07} + 2\mu_{11}\mu_{30}\mu_{40}\mu_{13}\mu_{16} \\
& -\mu_{11}\mu_{30}\mu_{40}\mu_{04}\mu_{25} - \mu_{11}\mu_{30}\mu_{31}^2\mu_{07} + 8\mu_{11}\mu_{30}\mu_{31}\mu_{22}\mu_{16} \\
& -10\mu_{11}\mu_{30}\mu_{31}\mu_{13}\mu_{25} + 4\mu_{11}\mu_{30}\mu_{31}\mu_{04}\mu_{34} - 9\mu_{11}\mu_{30}\mu_{22}^2\mu_{25} \\
& +16\mu_{11}\mu_{30}\mu_{22}\mu_{13}\mu_{34} - 5\mu_{11}\mu_{30}\mu_{22}\mu_{04}\mu_{43} - 5\mu_{11}\mu_{30}\mu_{13}^2\mu_{43} \\
& +2\mu_{11}\mu_{30}\mu_{13}\mu_{04}\mu_{52} + 2\mu_{11}\mu_{21}\mu_{40}\mu_{31}\mu_{07} - 3\mu_{11}\mu_{21}\mu_{40}\mu_{22}\mu_{16} \\
& +\mu_{11}\mu_{21}\mu_{40}\mu_{04}\mu_{34} - 3\mu_{11}\mu_{21}\mu_{31}^2\mu_{16} + 10\mu_{11}\mu_{21}\mu_{31}\mu_{13}\mu_{34} \\
& -6\mu_{11}\mu_{21}\mu_{31}\mu_{04}\mu_{43} + 9\mu_{11}\mu_{21}\mu_{22}^2\mu_{34} - 24\mu_{11}\mu_{21}\mu_{22}\mu_{13}\mu_{43} \\
& +9\mu_{11}\mu_{21}\mu_{22}\mu_{04}\mu_{52} + 9\mu_{11}\mu_{21}\mu_{13}^2\mu_{52} - 4\mu_{11}\mu_{21}\mu_{13}\mu_{04}\mu_{61} \\
& -4\mu_{11}\mu_{12}\mu_{40}\mu_{31}\mu_{16} + 9\mu_{11}\mu_{12}\mu_{40}\mu_{22}\mu_{25} - 6\mu_{11}\mu_{12}\mu_{40}\mu_{13}\mu_{34} \\
& +\mu_{11}\mu_{12}\mu_{40}\mu_{04}\mu_{43} + 9\mu_{11}\mu_{12}\mu_{31}^2\mu_{25} - 24\mu_{11}\mu_{12}\mu_{31}\mu_{22}\mu_{34} \\
& +10\mu_{11}\mu_{12}\mu_{31}\mu_{13}\mu_{43} + 9\mu_{11}\mu_{12}\mu_{22}^2\mu_{43} - 3\mu_{11}\mu_{12}\mu_{22}\mu_{04}\mu_{61} \\
& -3\mu_{11}\mu_{12}\mu_{13}^2\mu_{61} + 2\mu_{11}\mu_{12}\mu_{13}\mu_{04}\mu_{70} + 2\mu_{11}\mu_{03}\mu_{40}\mu_{31}\mu_{25} \\
& -5\mu_{11}\mu_{03}\mu_{40}\mu_{22}\mu_{34} + 4\mu_{11}\mu_{03}\mu_{40}\mu_{13}\mu_{43} - \mu_{11}\mu_{03}\mu_{40}\mu_{04}\mu_{52} \\
& -5\mu_{11}\mu_{03}\mu_{31}^2\mu_{34} + 16\mu_{11}\mu_{03}\mu_{31}\mu_{22}\mu_{43} - 10\mu_{11}\mu_{03}\mu_{31}\mu_{13}\mu_{52} \\
& +2\mu_{11}\mu_{03}\mu_{31}\mu_{04}\mu_{61} - 9\mu_{11}\mu_{03}\mu_{22}^2\mu_{52} + 8\mu_{11}\mu_{03}\mu_{22}\mu_{13}\mu_{61} \\
& -\mu_{11}\mu_{03}\mu_{22}\mu_{04}\mu_{70} - \mu_{11}\mu_{03}\mu_{13}^2\mu_{70} + \mu_{02}\mu_{30}\mu_{40}\mu_{31}\mu_{07} \\
& -2\mu_{02}\mu_{30}\mu_{40}\mu_{22}\mu_{16} + \mu_{02}\mu_{30}\mu_{40}\mu_{13}\mu_{25} - 3\mu_{02}\mu_{30}\mu_{31}^2\mu_{16} \\
& +9\mu_{02}\mu_{30}\mu_{31}\mu_{22}\mu_{25} - 4\mu_{02}\mu_{30}\mu_{31}\mu_{13}\mu_{34} - 6\mu_{02}\mu_{30}\mu_{22}^2\mu_{34} \\
& +5\mu_{02}\mu_{30}\mu_{22}\mu_{13}\mu_{43} - \mu_{02}\mu_{30}\mu_{13}^2\mu_{52} - \mu_{02}\mu_{21}\mu_{40}^2\mu_{07} \\
& +3\mu_{02}\mu_{21}\mu_{40}\mu_{31}\mu_{16} - \mu_{02}\mu_{21}\mu_{40}\mu_{13}\mu_{34} - 9\mu_{02}\mu_{21}\mu_{31}\mu_{22}\mu_{34} \\
& +6\mu_{02}\mu_{21}\mu_{31}\mu_{13}\mu_{43} + 9\mu_{02}\mu_{21}\mu_{22}^2\mu_{43} - 9\mu_{02}\mu_{21}\mu_{22}\mu_{13}\mu_{52} \\
& +2\mu_{02}\mu_{21}\mu_{13}^2\mu_{61} + 2\mu_{02}\mu_{12}\mu_{40}^2\mu_{16} - 9\mu_{02}\mu_{12}\mu_{40}\mu_{31}\mu_{25} \\
& +6\mu_{02}\mu_{12}\mu_{40}\mu_{22}\mu_{34} - \mu_{02}\mu_{12}\mu_{40}\mu_{13}\mu_{43} + 9\mu_{02}\mu_{12}\mu_{31}^2\mu_{34} \\
& -9\mu_{02}\mu_{12}\mu_{31}\mu_{22}\mu_{43} + 3\mu_{02}\mu_{12}\mu_{22}\mu_{13}\mu_{61} - \mu_{02}\mu_{12}\mu_{13}^2\mu_{70} \\
& -\mu_{02}\mu_{03}\mu_{40}^2\mu_{25} + 5\mu_{02}\mu_{03}\mu_{40}\mu_{31}\mu_{34} - 4\mu_{02}\mu_{03}\mu_{40}\mu_{22}\mu_{43} \\
& +\mu_{02}\mu_{03}\mu_{40}\mu_{13}\mu_{52} - 6\mu_{02}\mu_{03}\mu_{31}^2\mu_{43} + 9\mu_{02}\mu_{03}\mu_{31}\mu_{22}\mu_{52} \\
& -2\mu_{02}\mu_{03}\mu_{31}\mu_{13}\mu_{61} - 3\mu_{02}\mu_{03}\mu_{22}^2\mu_{61} + \mu_{02}\mu_{03}\mu_{22}\mu_{13}\mu_{70})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,1,2,0,0,1
Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |



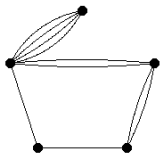
$$
\begin{aligned}
I_{252} \;=\; & (-\mu_{20}\mu_{21}\mu_{40}\mu_{22}\mu_{07} + 2\mu_{20}\mu_{21}\mu_{40}\mu_{13}\mu_{16} - \mu_{20}\mu_{21}\mu_{40}\mu_{04}\mu_{25} \\
& +4\mu_{20}\mu_{21}\mu_{31}\mu_{22}\mu_{16} - 8\mu_{20}\mu_{21}\mu_{31}\mu_{13}\mu_{25} + 4\mu_{20}\mu_{21}\mu_{31}\mu_{04}\mu_{34} \\
& -6\mu_{20}\mu_{21}\mu_{22}^2\mu_{25} + 16\mu_{20}\mu_{21}\mu_{22}\mu_{13}\mu_{34} - 7\mu_{20}\mu_{21}\mu_{22}\mu_{04}\mu_{43} \\
& -8\mu_{20}\mu_{21}\mu_{13}^2\mu_{43} + 6\mu_{20}\mu_{21}\mu_{13}\mu_{04}\mu_{52} - \mu_{20}\mu_{21}\mu_{04}^2\mu_{61} \\
& +2\mu_{20}\mu_{12}\mu_{40}\mu_{31}\mu_{07} - 4\mu_{20}\mu_{12}\mu_{40}\mu_{22}\mu_{16} + 2\mu_{20}\mu_{12}\mu_{40}\mu_{13}\mu_{25} \\
& -8\mu_{20}\mu_{12}\mu_{31}^2\mu_{16} + 28\mu_{20}\mu_{12}\mu_{31}\mu_{22}\mu_{25} - 16\mu_{20}\mu_{12}\mu_{31}\mu_{13}\mu_{34} \\
& +2\mu_{20}\mu_{12}\mu_{31}\mu_{04}\mu_{43} - 24\mu_{20}\mu_{12}\mu_{22}^2\mu_{34} + 28\mu_{20}\mu_{12}\mu_{22}\mu_{13}\mu_{43} \\
& -4\mu_{20}\mu_{12}\mu_{22}\mu_{04}\mu_{52} - 8\mu_{20}\mu_{12}\mu_{13}^2\mu_{52} + 2\mu_{20}\mu_{12}\mu_{13}\mu_{04}\mu_{61} \\
& -\mu_{20}\mu_{03}\mu_{40}^2\mu_{07} + 6\mu_{20}\mu_{03}\mu_{40}\mu_{31}\mu_{16} - 7\mu_{20}\mu_{03}\mu_{40}\mu_{22}\mu_{25} \\
& +4\mu_{20}\mu_{03}\mu_{40}\mu_{13}\mu_{34} - \mu_{20}\mu_{03}\mu_{40}\mu_{04}\mu_{43} - 8\mu_{20}\mu_{03}\mu_{31}^2\mu_{25} \\
& +16\mu_{20}\mu_{03}\mu_{31}\mu_{22}\mu_{34} - 8\mu_{20}\mu_{03}\mu_{31}\mu_{13}\mu_{43} + 2\mu_{20}\mu_{03}\mu_{31}\mu_{04}\mu_{52} \\
& -6\mu_{20}\mu_{03}\mu_{22}^2\mu_{43} + 4\mu_{20}\mu_{03}\mu_{22}\mu_{13}\mu_{52} - \mu_{20}\mu_{03}\mu_{22}\mu_{04}\mu_{61} \\
& +\mu_{11}\mu_{30}\mu_{40}\mu_{22}\mu_{07} - 2\mu_{11}\mu_{30}\mu_{40}\mu_{13}\mu_{16} + \mu_{11}\mu_{30}\mu_{40}\mu_{04}\mu_{25} \\
& -4\mu_{11}\mu_{30}\mu_{31}\mu_{22}\mu_{16} + 8\mu_{11}\mu_{30}\mu_{31}\mu_{13}\mu_{25} - 4\mu_{11}\mu_{30}\mu_{31}\mu_{04}\mu_{34} \\
& +6\mu_{11}\mu_{30}\mu_{22}^2\mu_{25} - 16\mu_{11}\mu_{30}\mu_{22}\mu_{13}\mu_{34} + 7\mu_{11}\mu_{30}\mu_{22}\mu_{04}\mu_{43} \\
& +8\mu_{11}\mu_{30}\mu_{13}^2\mu_{43} - 6\mu_{11}\mu_{30}\mu_{13}\mu_{04}\mu_{52} + \mu_{11}\mu_{30}\mu_{04}^2\mu_{61} \\
& -2\mu_{11}\mu_{21}\mu_{40}\mu_{31}\mu_{07} + 5\mu_{11}\mu_{21}\mu_{40}\mu_{22}\mu_{16} - 4\mu_{11}\mu_{21}\mu_{40}\mu_{13}\mu_{25} \\
& +\mu_{11}\mu_{21}\mu_{40}\mu_{04}\mu_{34} + 8\mu_{11}\mu_{21}\mu_{31}^2\mu_{16} - 32\mu_{11}\mu_{21}\mu_{31}\mu_{22}\mu_{25} \\
& +24\mu_{11}\mu_{21}\mu_{31}\mu_{13}\mu_{34} - 6\mu_{11}\mu_{21}\mu_{31}\mu_{04}\mu_{43} + 30\mu_{11}\mu_{21}\mu_{22}^2\mu_{34} \\
& -44\mu_{11}\mu_{21}\mu_{22}\mu_{13}\mu_{43} + 11\mu_{11}\mu_{21}\mu_{22}\mu_{04}\mu_{52} + 16\mu_{11}\mu_{21}\mu_{13}^2\mu_{52} \\
& -8\mu_{11}\mu_{21}\mu_{13}\mu_{04}\mu_{61} + \mu_{11}\mu_{21}\mu_{04}^2\mu_{70} + \mu_{11}\mu_{12}\mu_{40}^2\mu_{07} \\
& -8\mu_{11}\mu_{12}\mu_{40}\mu_{31}\mu_{16} + 11\mu_{11}\mu_{12}\mu_{40}\mu_{22}\mu_{25} - 6\mu_{11}\mu_{12}\mu_{40}\mu_{13}\mu_{34} \\
& +\mu_{11}\mu_{12}\mu_{40}\mu_{04}\mu_{43} + 16\mu_{11}\mu_{12}\mu_{31}^2\mu_{25} - 44\mu_{11}\mu_{12}\mu_{31}\mu_{22}\mu_{34} \\
& +24\mu_{11}\mu_{12}\mu_{31}\mu_{13}\mu_{43} - 4\mu_{11}\mu_{12}\mu_{31}\mu_{04}\mu_{52} + 30\mu_{11}\mu_{12}\mu_{22}^2\mu_{43} \\
& -32\mu_{11}\mu_{12}\mu_{22}\mu_{13}\mu_{52} + 5\mu_{11}\mu_{12}\mu_{22}\mu_{04}\mu_{61} + 8\mu_{11}\mu_{12}\mu_{13}^2\mu_{61} \\
& -2\mu_{11}\mu_{12}\mu_{13}\mu_{04}\mu_{70} + \mu_{11}\mu_{03}\mu_{40}^2\mu_{16} - 6\mu_{11}\mu_{03}\mu_{40}\mu_{31}\mu_{25} \\
& +7\mu_{11}\mu_{03}\mu_{40}\mu_{22}\mu_{34} - 4\mu_{11}\mu_{03}\mu_{40}\mu_{13}\mu_{43} + \mu_{11}\mu_{03}\mu_{40}\mu_{04}\mu_{52} \\
& +8\mu_{11}\mu_{03}\mu_{31}^2\mu_{34} - 16\mu_{11}\mu_{03}\mu_{31}\mu_{22}\mu_{43} + 8\mu_{11}\mu_{03}\mu_{31}\mu_{13}\mu_{52} \\
& -2\mu_{11}\mu_{03}\mu_{31}\mu_{04}\mu_{61} + 6\mu_{11}\mu_{03}\mu_{22}^2\mu_{52} - 4\mu_{11}\mu_{03}\mu_{22}\mu_{13}\mu_{61} \\
& +\mu_{11}\mu_{03}\mu_{22}\mu_{04}\mu_{70} - \mu_{02}\mu_{30}\mu_{40}\mu_{22}\mu_{16} + 2\mu_{02}\mu_{30}\mu_{40}\mu_{13}\mu_{25} \\
& -\mu_{02}\mu_{30}\mu_{40}\mu_{04}\mu_{34} + 4\mu_{02}\mu_{30}\mu_{31}\mu_{22}\mu_{25} - 8\mu_{02}\mu_{30}\mu_{31}\mu_{13}\mu_{34} \\
& +4\mu_{02}\mu_{30}\mu_{31}\mu_{04}\mu_{43} - 6\mu_{02}\mu_{30}\mu_{22}^2\mu_{34} + 16\mu_{02}\mu_{30}\mu_{22}\mu_{13}\mu_{43} \\
& -7\mu_{02}\mu_{30}\mu_{22}\mu_{04}\mu_{52} - 8\mu_{02}\mu_{30}\mu_{13}^2\mu_{52} + 6\mu_{02}\mu_{30}\mu_{13}\mu_{04}\mu_{61} \\
& -\mu_{02}\mu_{30}\mu_{04}^2\mu_{70} + 2\mu_{02}\mu_{21}\mu_{40}\mu_{31}\mu_{16} - 4\mu_{02}\mu_{21}\mu_{40}\mu_{22}\mu_{25} \\
& +2\mu_{02}\mu_{21}\mu_{40}\mu_{13}\mu_{34} - 8\mu_{02}\mu_{21}\mu_{31}^2\mu_{25} + 28\mu_{02}\mu_{21}\mu_{31}\mu_{22}\mu_{34} \\
& -16\mu_{02}\mu_{21}\mu_{31}\mu_{13}\mu_{43} + 2\mu_{02}\mu_{21}\mu_{31}\mu_{04}\mu_{52} - 24\mu_{02}\mu_{21}\mu_{22}^2\mu_{43} \\
& +28\mu_{02}\mu_{21}\mu_{22}\mu_{13}\mu_{52} - 4\mu_{02}\mu_{21}\mu_{22}\mu_{04}\mu_{61} - 8\mu_{02}\mu_{21}\mu_{13}^2\mu_{61} \\
& +2\mu_{02}\mu_{21}\mu_{13}\mu_{04}\mu_{70} - \mu_{02}\mu_{12}\mu_{40}^2\mu_{16} + 6\mu_{02}\mu_{12}\mu_{40}\mu_{31}\mu_{25} \\
& -7\mu_{02}\mu_{12}\mu_{40}\mu_{22}\mu_{34} + 4\mu_{02}\mu_{12}\mu_{40}\mu_{13}\mu_{43} - \mu_{02}\mu_{12}\mu_{40}\mu_{04}\mu_{52} \\
& -8\mu_{02}\mu_{12}\mu_{31}^2\mu_{34} + 16\mu_{02}\mu_{12}\mu_{31}\mu_{22}\mu_{43} - 8\mu_{02}\mu_{12}\mu_{31}\mu_{13}\mu_{52} \\
& +2\mu_{02}\mu_{12}\mu_{31}\mu_{04}\mu_{61} - 6\mu_{02}\mu_{12}\mu_{22}^2\mu_{52} + 4\mu_{02}\mu_{12}\mu_{22}\mu_{13}\mu_{61} \\
& -\mu_{02}\mu_{12}\mu_{22}\mu_{04}\mu_{70})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,1,2,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 2 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |

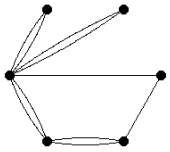


$$
\begin{aligned}
I_{253} \;=\; & (-\mu_{20}^3\mu_{21}\mu_{22}\mu_{07} + 2\mu_{20}^3\mu_{21}\mu_{13}\mu_{16} - \mu_{20}^3\mu_{21}\mu_{04}\mu_{25} + 2\mu_{20}^3\mu_{12}\mu_{31}\mu_{07} \\
& -4\mu_{20}^3\mu_{12}\mu_{22}\mu_{16} + 2\mu_{20}^3\mu_{12}\mu_{13}\mu_{25} - \mu_{20}^3\mu_{03}\mu_{40}\mu_{07} + 2\mu_{20}^3\mu_{03}\mu_{31}\mu_{16} \\
& -\mu_{20}^3\mu_{03}\mu_{22}\mu_{25} + \mu_{20}^2\mu_{11}\mu_{30}\mu_{22}\mu_{07} - 2\mu_{20}^2\mu_{11}\mu_{30}\mu_{13}\mu_{16} \\
& +\mu_{20}^2\mu_{11}\mu_{30}\mu_{04}\mu_{25} - 2\mu_{20}^2\mu_{11}\mu_{21}\mu_{31}\mu_{07} + 9\mu_{20}^2\mu_{11}\mu_{21}\mu_{22}\mu_{16} \\
& -12\mu_{20}^2\mu_{11}\mu_{21}\mu_{13}\mu_{25} + 5\mu_{20}^2\mu_{11}\mu_{21}\mu_{04}\mu_{34} + \mu_{20}^2\mu_{11}\mu_{12}\mu_{40}\mu_{07} \\
& -12\mu_{20}^2\mu_{11}\mu_{12}\mu_{31}\mu_{16} + 21\mu_{20}^2\mu_{11}\mu_{12}\mu_{22}\mu_{25} - 10\mu_{20}^2\mu_{11}\mu_{12}\mu_{13}\mu_{34} \\
& +5\mu_{20}^2\mu_{11}\mu_{03}\mu_{40}\mu_{16} - 10\mu_{20}^2\mu_{11}\mu_{03}\mu_{31}\mu_{25} + 5\mu_{20}^2\mu_{11}\mu_{03}\mu_{22}\mu_{34} \\
& -\mu_{20}^2\mu_{02}\mu_{30}\mu_{22}\mu_{16} + 2\mu_{20}^2\mu_{02}\mu_{30}\mu_{13}\mu_{25} - \mu_{20}^2\mu_{02}\mu_{30}\mu_{04}\mu_{34} \\
& +2\mu_{20}^2\mu_{02}\mu_{21}\mu_{31}\mu_{16} - 6\mu_{20}^2\mu_{02}\mu_{21}\mu_{22}\mu_{25} + 6\mu_{20}^2\mu_{02}\mu_{21}\mu_{13}\mu_{34} \\
& -2\mu_{20}^2\mu_{02}\mu_{21}\mu_{04}\mu_{43} - \mu_{20}^2\mu_{02}\mu_{12}\mu_{40}\mu_{16} + 6\mu_{20}^2\mu_{02}\mu_{12}\mu_{31}\mu_{25} \\
& -9\mu_{20}^2\mu_{02}\mu_{12}\mu_{22}\mu_{34} + 4\mu_{20}^2\mu_{02}\mu_{12}\mu_{13}\mu_{43} - 2\mu_{20}^2\mu_{02}\mu_{03}\mu_{40}\mu_{25} \\
& +4\mu_{20}^2\mu_{02}\mu_{03}\mu_{31}\mu_{34} - 2\mu_{20}^2\mu_{02}\mu_{03}\mu_{22}\mu_{43} - 4\mu_{20}\mu_{11}^2\mu_{30}\mu_{22}\mu_{16} \\
& +8\mu_{20}\mu_{11}^2\mu_{30}\mu_{13}\mu_{25} - 4\mu_{20}\mu_{11}^2\mu_{30}\mu_{04}\mu_{34} + 8\mu_{20}\mu_{11}^2\mu_{21}\mu_{31}\mu_{16} \\
& -24\mu_{20}\mu_{11}^2\mu_{21}\mu_{22}\mu_{25} + 24\mu_{20}\mu_{11}^2\mu_{21}\mu_{13}\mu_{34} - 8\mu_{20}\mu_{11}^2\mu_{21}\mu_{04}\mu_{43} \\
& -4\mu_{20}\mu_{11}^2\mu_{12}\mu_{40}\mu_{16} + 24\mu_{20}\mu_{11}^2\mu_{12}\mu_{31}\mu_{25} - 36\mu_{20}\mu_{11}^2\mu_{12}\mu_{22}\mu_{34} \\
& +16\mu_{20}\mu_{11}^2\mu_{12}\mu_{13}\mu_{43} - 8\mu_{20}\mu_{11}^2\mu_{03}\mu_{40}\mu_{25} + 16\mu_{20}\mu_{11}^2\mu_{03}\mu_{31}\mu_{34} \\
& -8\mu_{20}\mu_{11}^2\mu_{03}\mu_{22}\mu_{43} + 6\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{22}\mu_{25} \\
& -12\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{13}\mu_{34} + 6\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{04}\mu_{43} \\
& -12\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{25} + 30\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{22}\mu_{34} \\
& -24\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{13}\mu_{43} + 6\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{04}\mu_{52} \\
& +6\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{25} - 24\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{34} \\
& +30\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{22}\mu_{43} - 12\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{13}\mu_{52} \\
& +6\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{34} - 12\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{31}\mu_{43} \\
& +6\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{22}\mu_{52} - 2\mu_{20}\mu_{02}^2\mu_{30}\mu_{22}\mu_{34} + 4\mu_{20}\mu_{02}^2\mu_{30}\mu_{13}\mu_{43} \\
& -2\mu_{20}\mu_{02}^2\mu_{30}\mu_{04}\mu_{52} + 4\mu_{20}\mu_{02}^2\mu_{21}\mu_{31}\mu_{34} - 9\mu_{20}\mu_{02}^2\mu_{21}\mu_{22}\mu_{43} \\
& +6\mu_{20}\mu_{02}^2\mu_{21}\mu_{13}\mu_{52} - \mu_{20}\mu_{02}^2\mu_{21}\mu_{04}\mu_{61} - 2\mu_{20}\mu_{02}^2\mu_{12}\mu_{40}\mu_{34} \\
& +6\mu_{20}\mu_{02}^2\mu_{12}\mu_{31}\mu_{43} - 6\mu_{20}\mu_{02}^2\mu_{12}\mu_{22}\mu_{52} + 2\mu_{20}\mu_{02}^2\mu_{12}\mu_{13}\mu_{61} \\
& -\mu_{20}\mu_{02}^2\mu_{03}\mu_{40}\mu_{43} + 2\mu_{20}\mu_{02}^2\mu_{03}\mu_{31}\mu_{52} - \mu_{20}\mu_{02}^2\mu_{03}\mu_{22}\mu_{61} \\
& +4\mu_{11}^3\mu_{30}\mu_{22}\mu_{25} - 8\mu_{11}^3\mu_{30}\mu_{13}\mu_{34} + 4\mu_{11}^3\mu_{30}\mu_{04}\mu_{43} - 8\mu_{11}^3\mu_{21}\mu_{31}\mu_{25} \\
& +20\mu_{11}^3\mu_{21}\mu_{22}\mu_{34} - 16\mu_{11}^3\mu_{21}\mu_{13}\mu_{43} + 4\mu_{11}^3\mu_{21}\mu_{04}\mu_{52} + 4\mu_{11}^3\mu_{12}\mu_{40}\mu_{25} \\
& -16\mu_{11}^3\mu_{12}\mu_{31}\mu_{34} + 20\mu_{11}^3\mu_{12}\mu_{22}\mu_{43} - 8\mu_{11}^3\mu_{12}\mu_{13}\mu_{52} + 4\mu_{11}^3\mu_{03}\mu_{40}\mu_{34} \\
& -8\mu_{11}^3\mu_{03}\mu_{31}\mu_{43} + 4\mu_{11}^3\mu_{03}\mu_{22}\mu_{52} - 8\mu_{11}^2\mu_{02}\mu_{30}\mu_{22}\mu_{34} \\
& +16\mu_{11}^2\mu_{02}\mu_{30}\mu_{13}\mu_{43} - 8\mu_{11}^2\mu_{02}\mu_{30}\mu_{04}\mu_{52} + 16\mu_{11}^2\mu_{02}\mu_{21}\mu_{31}\mu_{34} \\
& -36\mu_{11}^2\mu_{02}\mu_{21}\mu_{22}\mu_{43} + 24\mu_{11}^2\mu_{02}\mu_{21}\mu_{13}\mu_{52} - 4\mu_{11}^2\mu_{02}\mu_{21}\mu_{04}\mu_{61} \\
& -8\mu_{11}^2\mu_{02}\mu_{12}\mu_{40}\mu_{34} + 24\mu_{11}^2\mu_{02}\mu_{12}\mu_{31}\mu_{43} - 24\mu_{11}^2\mu_{02}\mu_{12}\mu_{22}\mu_{52} \\
& +8\mu_{11}^2\mu_{02}\mu_{12}\mu_{13}\mu_{61} - 4\mu_{11}^2\mu_{02}\mu_{03}\mu_{40}\mu_{43} + 8\mu_{11}^2\mu_{02}\mu_{03}\mu_{31}\mu_{52} \\
& -4\mu_{11}^2\mu_{02}\mu_{03}\mu_{22}\mu_{61} + 5\mu_{11}\mu_{02}^2\mu_{30}\mu_{22}\mu_{43} - 10\mu_{11}\mu_{02}^2\mu_{30}\mu_{13}\mu_{52} \\
& +5\mu_{11}\mu_{02}^2\mu_{30}\mu_{04}\mu_{61} - 10\mu_{11}\mu_{02}^2\mu_{21}\mu_{31}\mu_{43} + 21\mu_{11}\mu_{02}^2\mu_{21}\mu_{22}\mu_{52} \\
& -12\mu_{11}\mu_{02}^2\mu_{21}\mu_{13}\mu_{61} + \mu_{11}\mu_{02}^2\mu_{21}\mu_{04}\mu_{70} + 5\mu_{11}\mu_{02}^2\mu_{12}\mu_{40}\mu_{43} \\
& -12\mu_{11}\mu_{02}^2\mu_{12}\mu_{31}\mu_{52} + 9\mu_{11}\mu_{02}^2\mu_{12}\mu_{22}\mu_{61} - 2\mu_{11}\mu_{02}^2\mu_{12}\mu_{13}\mu_{70} \\
& +\mu_{11}\mu_{02}^2\mu_{03}\mu_{40}\mu_{52} - 2\mu_{11}\mu_{02}^2\mu_{03}\mu_{31}\mu_{61} + \mu_{11}\mu_{02}^2\mu_{03}\mu_{22}\mu_{70} \\
& -\mu_{02}^3\mu_{30}\mu_{22}\mu_{52} + 2\mu_{02}^3\mu_{30}\mu_{13}\mu_{61} - \mu_{02}^3\mu_{30}\mu_{04}\mu_{70} + 2\mu_{02}^3\mu_{21}\mu_{31}\mu_{52} \\
& -4\mu_{02}^3\mu_{21}\mu_{22}\mu_{61} + 2\mu_{02}^3\mu_{21}\mu_{13}\mu_{70} - \mu_{02}^3\mu_{12}\mu_{40}\mu_{52} + 2\mu_{02}^3\mu_{12}\mu_{31}\mu_{61} \\
& -\mu_{02}^3\mu_{12}\mu_{22}\mu_{70})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 3,1,1,0,0,1
Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 2 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 6 |



**Simultaneous invariants of the orders 2, 3, 5 and 7**

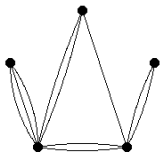
$$
\begin{aligned}
I_{254} \;=\; & (\mu_{20}\mu_{30}^2\mu_{23}\mu_{07} - 2\mu_{20}\mu_{30}^2\mu_{14}\mu_{16} + \mu_{20}\mu_{30}^2\mu_{05}\mu_{25} \\
& -\mu_{20}\mu_{30}\mu_{21}\mu_{32}\mu_{07} - 3\mu_{20}\mu_{30}\mu_{21}\mu_{23}\mu_{16} + 9\mu_{20}\mu_{30}\mu_{21}\mu_{14}\mu_{25} \\
& -5\mu_{20}\mu_{30}\mu_{21}\mu_{05}\mu_{34} + 2\mu_{20}\mu_{30}\mu_{12}\mu_{32}\mu_{16} - 6\mu_{20}\mu_{30}\mu_{12}\mu_{14}\mu_{34} \\
& +4\mu_{20}\mu_{30}\mu_{12}\mu_{05}\mu_{43} - \mu_{20}\mu_{30}\mu_{03}\mu_{32}\mu_{25} + \mu_{20}\mu_{30}\mu_{03}\mu_{23}\mu_{34} \\
& +\mu_{20}\mu_{30}\mu_{03}\mu_{14}\mu_{43} - \mu_{20}\mu_{30}\mu_{03}\mu_{05}\mu_{52} + 3\mu_{20}\mu_{21}^2\mu_{32}\mu_{16} \\
& -9\mu_{20}\mu_{21}^2\mu_{14}\mu_{34} + 6\mu_{20}\mu_{21}^2\mu_{05}\mu_{43} - 9\mu_{20}\mu_{21}\mu_{12}\mu_{32}\mu_{25} \\
& +9\mu_{20}\mu_{21}\mu_{12}\mu_{23}\mu_{34} + 9\mu_{20}\mu_{21}\mu_{12}\mu_{14}\mu_{43} - 9\mu_{20}\mu_{21}\mu_{12}\mu_{05}\mu_{52} \\
& +4\mu_{20}\mu_{21}\mu_{03}\mu_{32}\mu_{34} - 6\mu_{20}\mu_{21}\mu_{03}\mu_{23}\mu_{43} + 2\mu_{20}\mu_{21}\mu_{03}\mu_{05}\mu_{61} \\
& +6\mu_{20}\mu_{12}^2\mu_{32}\mu_{34} - 9\mu_{20}\mu_{12}^2\mu_{23}\mu_{43} + 3\mu_{20}\mu_{12}^2\mu_{05}\mu_{61} \\
& -5\mu_{20}\mu_{12}\mu_{03}\mu_{32}\mu_{43} + 9\mu_{20}\mu_{12}\mu_{03}\mu_{23}\mu_{52} - 3\mu_{20}\mu_{12}\mu_{03}\mu_{14}\mu_{61} \\
& -\mu_{20}\mu_{12}\mu_{03}\mu_{05}\mu_{70} + \mu_{20}\mu_{03}^2\mu_{32}\mu_{52} - 2\mu_{20}\mu_{03}^2\mu_{23}\mu_{61} \\
& +\mu_{20}\mu_{03}^2\mu_{14}\mu_{70} - 2\mu_{11}\mu_{30}^2\mu_{32}\mu_{07} + 4\mu_{11}\mu_{30}^2\mu_{23}\mu_{16} - 2\mu_{11}\mu_{30}^2\mu_{14}\mu_{25} \\
& +2\mu_{11}\mu_{30}\mu_{21}\mu_{41}\mu_{07} + 6\mu_{11}\mu_{30}\mu_{21}\mu_{32}\mu_{16} - 18\mu_{11}\mu_{30}\mu_{21}\mu_{23}\mu_{25} \\
& +10\mu_{11}\mu_{30}\mu_{21}\mu_{14}\mu_{34} - 4\mu_{11}\mu_{30}\mu_{12}\mu_{41}\mu_{16} + 12\mu_{11}\mu_{30}\mu_{12}\mu_{23}\mu_{34} \\
& -8\mu_{11}\mu_{30}\mu_{12}\mu_{14}\mu_{43} + 2\mu_{11}\mu_{30}\mu_{03}\mu_{41}\mu_{25} - 2\mu_{11}\mu_{30}\mu_{03}\mu_{32}\mu_{34} \\
& -2\mu_{11}\mu_{30}\mu_{03}\mu_{23}\mu_{43} + 2\mu_{11}\mu_{30}\mu_{03}\mu_{14}\mu_{52} - 6\mu_{11}\mu_{21}^2\mu_{41}\mu_{16} \\
& +18\mu_{11}\mu_{21}^2\mu_{23}\mu_{34} - 12\mu_{11}\mu_{21}^2\mu_{14}\mu_{43} + 18\mu_{11}\mu_{21}\mu_{12}\mu_{41}\mu_{25} \\
& -18\mu_{11}\mu_{21}\mu_{12}\mu_{32}\mu_{34} - 18\mu_{11}\mu_{21}\mu_{12}\mu_{23}\mu_{43} + 18\mu_{11}\mu_{21}\mu_{12}\mu_{14}\mu_{52} \\
& -8\mu_{11}\mu_{21}\mu_{03}\mu_{41}\mu_{34} + 12\mu_{11}\mu_{21}\mu_{03}\mu_{32}\mu_{43} - 4\mu_{11}\mu_{21}\mu_{03}\mu_{14}\mu_{61} \\
& -12\mu_{11}\mu_{12}^2\mu_{41}\mu_{34} + 18\mu_{11}\mu_{12}^2\mu_{32}\mu_{43} - 6\mu_{11}\mu_{12}^2\mu_{14}\mu_{61} \\
& +10\mu_{11}\mu_{12}\mu_{03}\mu_{41}\mu_{43} - 18\mu_{11}\mu_{12}\mu_{03}\mu_{32}\mu_{52} + 6\mu_{11}\mu_{12}\mu_{03}\mu_{23}\mu_{61} \\
& +2\mu_{11}\mu_{12}\mu_{03}\mu_{14}\mu_{70} - 2\mu_{11}\mu_{03}^2\mu_{41}\mu_{52} + 4\mu_{11}\mu_{03}^2\mu_{32}\mu_{61} \\
& -2\mu_{11}\mu_{03}^2\mu_{23}\mu_{70} + \mu_{02}\mu_{30}^2\mu_{41}\mu_{07} - 2\mu_{02}\mu_{30}^2\mu_{32}\mu_{16} + \mu_{02}\mu_{30}^2\mu_{23}\mu_{25} \\
& -\mu_{02}\mu_{30}\mu_{21}\mu_{50}\mu_{07} - 3\mu_{02}\mu_{30}\mu_{21}\mu_{41}\mu_{16} + 9\mu_{02}\mu_{30}\mu_{21}\mu_{32}\mu_{25} \\
& -5\mu_{02}\mu_{30}\mu_{21}\mu_{23}\mu_{34} + 2\mu_{02}\mu_{30}\mu_{12}\mu_{50}\mu_{16} - 6\mu_{02}\mu_{30}\mu_{12}\mu_{32}\mu_{34} \\
& +4\mu_{02}\mu_{30}\mu_{12}\mu_{23}\mu_{43} - \mu_{02}\mu_{30}\mu_{03}\mu_{50}\mu_{25} + \mu_{02}\mu_{30}\mu_{03}\mu_{41}\mu_{34} \\
& +\mu_{02}\mu_{30}\mu_{03}\mu_{32}\mu_{43} - \mu_{02}\mu_{30}\mu_{03}\mu_{23}\mu_{52} + 3\mu_{02}\mu_{21}^2\mu_{50}\mu_{16} \\
& -9\mu_{02}\mu_{21}^2\mu_{32}\mu_{34} + 6\mu_{02}\mu_{21}^2\mu_{23}\mu_{43} - 9\mu_{02}\mu_{21}\mu_{12}\mu_{50}\mu_{25} \\
& +9\mu_{02}\mu_{21}\mu_{12}\mu_{41}\mu_{34} + 9\mu_{02}\mu_{21}\mu_{12}\mu_{32}\mu_{43} - 9\mu_{02}\mu_{21}\mu_{12}\mu_{23}\mu_{52} \\
& +4\mu_{02}\mu_{21}\mu_{03}\mu_{50}\mu_{34} - 6\mu_{02}\mu_{21}\mu_{03}\mu_{41}\mu_{43} + 2\mu_{02}\mu_{21}\mu_{03}\mu_{23}\mu_{61} \\
& +6\mu_{02}\mu_{12}^2\mu_{50}\mu_{34} - 9\mu_{02}\mu_{12}^2\mu_{41}\mu_{43} + 3\mu_{02}\mu_{12}^2\mu_{23}\mu_{61} \\
& -5\mu_{02}\mu_{12}\mu_{03}\mu_{50}\mu_{43} + 9\mu_{02}\mu_{12}\mu_{03}\mu_{41}\mu_{52} - 3\mu_{02}\mu_{12}\mu_{03}\mu_{32}\mu_{61} \\
& -\mu_{02}\mu_{12}\mu_{03}\mu_{23}\mu_{70} + \mu_{02}\mu_{03}^2\mu_{50}\mu_{52} - 2\mu_{02}\mu_{03}^2\mu_{41}\mu_{61} \\
& +\mu_{02}\mu_{03}^2\mu_{32}\mu_{70})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,2,0,1,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |



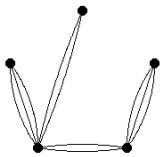
$$
\begin{aligned}
I_{255} \;=\; & (\mu_{20}\mu_{30}^2\mu_{23}\mu_{07} - 2\mu_{20}\mu_{30}^2\mu_{14}\mu_{16} + \mu_{20}\mu_{30}^2\mu_{05}\mu_{25} \\
& -3\mu_{20}\mu_{30}\mu_{21}\mu_{32}\mu_{07} + 3\mu_{20}\mu_{30}\mu_{21}\mu_{23}\mu_{16} + 3\mu_{20}\mu_{30}\mu_{21}\mu_{14}\mu_{25} \\
& -3\mu_{20}\mu_{30}\mu_{21}\mu_{05}\mu_{34} + 3\mu_{20}\mu_{30}\mu_{12}\mu_{41}\mu_{07} - 6\mu_{20}\mu_{30}\mu_{12}\mu_{32}\mu_{16} \\
& +6\mu_{20}\mu_{30}\mu_{12}\mu_{23}\mu_{25} - 6\mu_{20}\mu_{30}\mu_{12}\mu_{14}\mu_{34} + 3\mu_{20}\mu_{30}\mu_{12}\mu_{05}\mu_{43} \\
& -\mu_{20}\mu_{30}\mu_{03}\mu_{50}\mu_{07} + 2\mu_{20}\mu_{30}\mu_{03}\mu_{41}\mu_{16} - \mu_{20}\mu_{30}\mu_{03}\mu_{32}\mu_{25} \\
& -\mu_{20}\mu_{30}\mu_{03}\mu_{23}\mu_{34} + 2\mu_{20}\mu_{30}\mu_{03}\mu_{14}\mu_{43} - \mu_{20}\mu_{30}\mu_{03}\mu_{05}\mu_{52} \\
& +9\mu_{20}\mu_{21}^2\mu_{32}\mu_{16} - 18\mu_{20}\mu_{21}^2\mu_{23}\mu_{25} + 9\mu_{20}\mu_{21}^2\mu_{14}\mu_{34} \\
& -9\mu_{20}\mu_{21}\mu_{12}\mu_{41}\mu_{16} + 9\mu_{20}\mu_{21}\mu_{12}\mu_{32}\mu_{25} + 9\mu_{20}\mu_{21}\mu_{12}\mu_{23}\mu_{34} \\
& -9\mu_{20}\mu_{21}\mu_{12}\mu_{14}\mu_{43} + 3\mu_{20}\mu_{21}\mu_{03}\mu_{50}\mu_{16} - 6\mu_{20}\mu_{21}\mu_{03}\mu_{41}\mu_{25} \\
& +6\mu_{20}\mu_{21}\mu_{03}\mu_{32}\mu_{34} - 6\mu_{20}\mu_{21}\mu_{03}\mu_{23}\mu_{43} + 3\mu_{20}\mu_{21}\mu_{03}\mu_{14}\mu_{52} \\
& +9\mu_{20}\mu_{12}^2\mu_{41}\mu_{25} - 18\mu_{20}\mu_{12}^2\mu_{32}\mu_{34} + 9\mu_{20}\mu_{12}^2\mu_{23}\mu_{43} \\
& -3\mu_{20}\mu_{12}\mu_{03}\mu_{50}\mu_{25} + 3\mu_{20}\mu_{12}\mu_{03}\mu_{41}\mu_{34} + 3\mu_{20}\mu_{12}\mu_{03}\mu_{32}\mu_{43} \\
& -3\mu_{20}\mu_{12}\mu_{03}\mu_{23}\mu_{52} + \mu_{20}\mu_{03}^2\mu_{50}\mu_{34} - 2\mu_{20}\mu_{03}^2\mu_{41}\mu_{43} \\
& +\mu_{20}\mu_{03}^2\mu_{32}\mu_{52} - 2\mu_{11}\mu_{30}^2\mu_{23}\mu_{16} + 4\mu_{11}\mu_{30}^2\mu_{14}\mu_{25} - 2\mu_{11}\mu_{30}^2\mu_{05}\mu_{34} \\
& +6\mu_{11}\mu_{30}\mu_{21}\mu_{32}\mu_{16} - 6\mu_{11}\mu_{30}\mu_{21}\mu_{23}\mu_{25} - 6\mu_{11}\mu_{30}\mu_{21}\mu_{14}\mu_{34} \\
& +6\mu_{11}\mu_{30}\mu_{21}\mu_{05}\mu_{43} - 6\mu_{11}\mu_{30}\mu_{12}\mu_{41}\mu_{16} + 12\mu_{11}\mu_{30}\mu_{12}\mu_{32}\mu_{25} \\
& -12\mu_{11}\mu_{30}\mu_{12}\mu_{23}\mu_{34} + 12\mu_{11}\mu_{30}\mu_{12}\mu_{14}\mu_{43} - 6\mu_{11}\mu_{30}\mu_{12}\mu_{05}\mu_{52} \\
& +2\mu_{11}\mu_{30}\mu_{03}\mu_{50}\mu_{16} - 4\mu_{11}\mu_{30}\mu_{03}\mu_{41}\mu_{25} + 2\mu_{11}\mu_{30}\mu_{03}\mu_{32}\mu_{34} \\
& +2\mu_{11}\mu_{30}\mu_{03}\mu_{23}\mu_{43} - 4\mu_{11}\mu_{30}\mu_{03}\mu_{14}\mu_{52} + 2\mu_{11}\mu_{30}\mu_{03}\mu_{05}\mu_{61} \\
& -18\mu_{11}\mu_{21}^2\mu_{32}\mu_{25} + 36\mu_{11}\mu_{21}^2\mu_{23}\mu_{34} - 18\mu_{11}\mu_{21}^2\mu_{14}\mu_{43} \\
& +18\mu_{11}\mu_{21}\mu_{12}\mu_{41}\mu_{25} - 18\mu_{11}\mu_{21}\mu_{12}\mu_{32}\mu_{34} - 18\mu_{11}\mu_{21}\mu_{12}\mu_{23}\mu_{43} \\
& +18\mu_{11}\mu_{21}\mu_{12}\mu_{14}\mu_{52} - 6\mu_{11}\mu_{21}\mu_{03}\mu_{50}\mu_{25} + 12\mu_{11}\mu_{21}\mu_{03}\mu_{41}\mu_{34} \\
& -12\mu_{11}\mu_{21}\mu_{03}\mu_{32}\mu_{43} + 12\mu_{11}\mu_{21}\mu_{03}\mu_{23}\mu_{52} - 6\mu_{11}\mu_{21}\mu_{03}\mu_{14}\mu_{61} \\
& -18\mu_{11}\mu_{12}^2\mu_{41}\mu_{34} + 36\mu_{11}\mu_{12}^2\mu_{32}\mu_{43} - 18\mu_{11}\mu_{12}^2\mu_{23}\mu_{52} \\
& +6\mu_{11}\mu_{12}\mu_{03}\mu_{50}\mu_{34} - 6\mu_{11}\mu_{12}\mu_{03}\mu_{41}\mu_{43} - 6\mu_{11}\mu_{12}\mu_{03}\mu_{32}\mu_{52} \\
& +6\mu_{11}\mu_{12}\mu_{03}\mu_{23}\mu_{61} - 2\mu_{11}\mu_{03}^2\mu_{50}\mu_{43} + 4\mu_{11}\mu_{03}^2\mu_{41}\mu_{52} \\
& -2\mu_{11}\mu_{03}^2\mu_{32}\mu_{61} + \mu_{02}\mu_{30}^2\mu_{23}\mu_{25} - 2\mu_{02}\mu_{30}^2\mu_{14}\mu_{34} + \mu_{02}\mu_{30}^2\mu_{05}\mu_{43} \\
& -3\mu_{02}\mu_{30}\mu_{21}\mu_{32}\mu_{25} + 3\mu_{02}\mu_{30}\mu_{21}\mu_{23}\mu_{34} + 3\mu_{02}\mu_{30}\mu_{21}\mu_{14}\mu_{43} \\
& -3\mu_{02}\mu_{30}\mu_{21}\mu_{05}\mu_{52} + 3\mu_{02}\mu_{30}\mu_{12}\mu_{41}\mu_{25} - 6\mu_{02}\mu_{30}\mu_{12}\mu_{32}\mu_{34} \\
& +6\mu_{02}\mu_{30}\mu_{12}\mu_{23}\mu_{43} - 6\mu_{02}\mu_{30}\mu_{12}\mu_{14}\mu_{52} + 3\mu_{02}\mu_{30}\mu_{12}\mu_{05}\mu_{61} \\
& -\mu_{02}\mu_{30}\mu_{03}\mu_{50}\mu_{25} + 2\mu_{02}\mu_{30}\mu_{03}\mu_{41}\mu_{34} - \mu_{02}\mu_{30}\mu_{03}\mu_{32}\mu_{43} \\
& -\mu_{02}\mu_{30}\mu_{03}\mu_{23}\mu_{52} + 2\mu_{02}\mu_{30}\mu_{03}\mu_{14}\mu_{61} - \mu_{02}\mu_{30}\mu_{03}\mu_{05}\mu_{70} \\
& +9\mu_{02}\mu_{21}^2\mu_{32}\mu_{34} - 18\mu_{02}\mu_{21}^2\mu_{23}\mu_{43} + 9\mu_{02}\mu_{21}^2\mu_{14}\mu_{52} \\
& -9\mu_{02}\mu_{21}\mu_{12}\mu_{41}\mu_{34} + 9\mu_{02}\mu_{21}\mu_{12}\mu_{32}\mu_{43} + 9\mu_{02}\mu_{21}\mu_{12}\mu_{23}\mu_{52} \\
& -9\mu_{02}\mu_{21}\mu_{12}\mu_{14}\mu_{61} + 3\mu_{02}\mu_{21}\mu_{03}\mu_{50}\mu_{34} - 6\mu_{02}\mu_{21}\mu_{03}\mu_{41}\mu_{43} \\
& +6\mu_{02}\mu_{21}\mu_{03}\mu_{32}\mu_{52} - 6\mu_{02}\mu_{21}\mu_{03}\mu_{23}\mu_{61} + 3\mu_{02}\mu_{21}\mu_{03}\mu_{14}\mu_{70} \\
& +9\mu_{02}\mu_{12}^2\mu_{41}\mu_{43} - 18\mu_{02}\mu_{12}^2\mu_{32}\mu_{52} + 9\mu_{02}\mu_{12}^2\mu_{23}\mu_{61} \\
& -3\mu_{02}\mu_{12}\mu_{03}\mu_{50}\mu_{43} + 3\mu_{02}\mu_{12}\mu_{03}\mu_{41}\mu_{52} + 3\mu_{02}\mu_{12}\mu_{03}\mu_{32}\mu_{61} \\
& -3\mu_{02}\mu_{12}\mu_{03}\mu_{23}\mu_{70} + \mu_{02}\mu_{03}^2\mu_{50}\mu_{52} - 2\mu_{02}\mu_{03}^2\mu_{41}\mu_{61} \\
& +\mu_{02}\mu_{03}^2\mu_{32}\mu_{70})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,2,0,1,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |

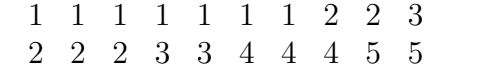


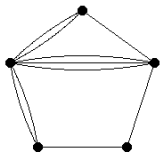
$$
\begin{aligned}
I_{256} \;=\; & (\mu_{20}\mu_{30}\mu_{21}\mu_{32}\mu_{07} - 3\mu_{20}\mu_{30}\mu_{21}\mu_{23}\mu_{16} + 3\mu_{20}\mu_{30}\mu_{21}\mu_{14}\mu_{25} \\
& -\mu_{20}\mu_{30}\mu_{21}\mu_{05}\mu_{34} - 2\mu_{20}\mu_{30}\mu_{12}\mu_{32}\mu_{16} + 6\mu_{20}\mu_{30}\mu_{12}\mu_{23}\mu_{25} \\
& -6\mu_{20}\mu_{30}\mu_{12}\mu_{14}\mu_{34} + 2\mu_{20}\mu_{30}\mu_{12}\mu_{05}\mu_{43} + \mu_{20}\mu_{30}\mu_{03}\mu_{32}\mu_{25} \\
& -3\mu_{20}\mu_{30}\mu_{03}\mu_{23}\mu_{34} + 3\mu_{20}\mu_{30}\mu_{03}\mu_{14}\mu_{43} - \mu_{20}\mu_{30}\mu_{03}\mu_{05}\mu_{52} \\
& -\mu_{20}\mu_{21}^2\mu_{41}\mu_{07} + \mu_{20}\mu_{21}^2\mu_{32}\mu_{16} + 3\mu_{20}\mu_{21}^2\mu_{23}\mu_{25} - 5\mu_{20}\mu_{21}^2\mu_{14}\mu_{34} \\
& +2\mu_{20}\mu_{21}^2\mu_{05}\mu_{43} + 4\mu_{20}\mu_{21}\mu_{12}\mu_{41}\mu_{16} - 7\mu_{20}\mu_{21}\mu_{12}\mu_{32}\mu_{25} \\
& -3\mu_{20}\mu_{21}\mu_{12}\mu_{23}\mu_{34} + 11\mu_{20}\mu_{21}\mu_{12}\mu_{14}\mu_{43} - 5\mu_{20}\mu_{21}\mu_{12}\mu_{05}\mu_{52} \\
& -2\mu_{20}\mu_{21}\mu_{03}\mu_{41}\mu_{25} + 4\mu_{20}\mu_{21}\mu_{03}\mu_{32}\mu_{34} - 4\mu_{20}\mu_{21}\mu_{03}\mu_{14}\mu_{52} \\
& +2\mu_{20}\mu_{21}\mu_{03}\mu_{05}\mu_{61} - 4\mu_{20}\mu_{12}^2\mu_{41}\mu_{25} + 10\mu_{20}\mu_{12}^2\mu_{32}\mu_{34} \\
& -6\mu_{20}\mu_{12}^2\mu_{23}\mu_{43} - 2\mu_{20}\mu_{12}^2\mu_{14}\mu_{52} + 2\mu_{20}\mu_{12}^2\mu_{05}\mu_{61} \\
& +4\mu_{20}\mu_{12}\mu_{03}\mu_{41}\mu_{34} - 11\mu_{20}\mu_{12}\mu_{03}\mu_{32}\mu_{43} + 9\mu_{20}\mu_{12}\mu_{03}\mu_{23}\mu_{52} \\
& -\mu_{20}\mu_{12}\mu_{03}\mu_{14}\mu_{61} - \mu_{20}\mu_{12}\mu_{03}\mu_{05}\mu_{70} - \mu_{20}\mu_{03}^2\mu_{41}\mu_{43} \\
& +3\mu_{20}\mu_{03}^2\mu_{32}\mu_{52} - 3\mu_{20}\mu_{03}^2\mu_{23}\mu_{61} + \mu_{20}\mu_{03}^2\mu_{14}\mu_{70} - \mu_{11}\mu_{30}^2\mu_{32}\mu_{07} \\
& +3\mu_{11}\mu_{30}^2\mu_{23}\mu_{16} - 3\mu_{11}\mu_{30}^2\mu_{14}\mu_{25} + \mu_{11}\mu_{30}^2\mu_{05}\mu_{34} \\
& +4\mu_{11}\mu_{30}\mu_{21}\mu_{32}\mu_{16} - 12\mu_{11}\mu_{30}\mu_{21}\mu_{23}\mu_{25} + 12\mu_{11}\mu_{30}\mu_{21}\mu_{14}\mu_{34} \\
& -4\mu_{11}\mu_{30}\mu_{21}\mu_{05}\mu_{43} - 2\mu_{11}\mu_{30}\mu_{12}\mu_{32}\mu_{25} + 6\mu_{11}\mu_{30}\mu_{12}\mu_{23}\mu_{34} \\
& -6\mu_{11}\mu_{30}\mu_{12}\mu_{14}\mu_{43} + 2\mu_{11}\mu_{30}\mu_{12}\mu_{05}\mu_{52} + \mu_{11}\mu_{21}^2\mu_{50}\mu_{07} \\
& -3\mu_{11}\mu_{21}^2\mu_{41}\mu_{16} - \mu_{11}\mu_{21}^2\mu_{32}\mu_{25} + 11\mu_{11}\mu_{21}^2\mu_{23}\mu_{34} - 12\mu_{11}\mu_{21}^2\mu_{14}\mu_{43} \\
& +4\mu_{11}\mu_{21}^2\mu_{05}\mu_{52} - 4\mu_{11}\mu_{21}\mu_{12}\mu_{50}\mu_{16} + 12\mu_{11}\mu_{21}\mu_{12}\mu_{41}\mu_{25} \\
& -8\mu_{11}\mu_{21}\mu_{12}\mu_{32}\mu_{34} - 8\mu_{11}\mu_{21}\mu_{12}\mu_{23}\mu_{43} + 12\mu_{11}\mu_{21}\mu_{12}\mu_{14}\mu_{52} \\
& -4\mu_{11}\mu_{21}\mu_{12}\mu_{05}\mu_{61} + 2\mu_{11}\mu_{21}\mu_{03}\mu_{50}\mu_{25} - 6\mu_{11}\mu_{21}\mu_{03}\mu_{41}\mu_{34} \\
& +6\mu_{11}\mu_{21}\mu_{03}\mu_{32}\mu_{43} - 2\mu_{11}\mu_{21}\mu_{03}\mu_{23}\mu_{52} + 4\mu_{11}\mu_{12}^2\mu_{50}\mu_{25} \\
& -12\mu_{11}\mu_{12}^2\mu_{41}\mu_{34} + 11\mu_{11}\mu_{12}^2\mu_{32}\mu_{43} - \mu_{11}\mu_{12}^2\mu_{23}\mu_{52} - 3\mu_{11}\mu_{12}^2\mu_{14}\mu_{61} \\
& +\mu_{11}\mu_{12}^2\mu_{05}\mu_{70} - 4\mu_{11}\mu_{12}\mu_{03}\mu_{50}\mu_{34} + 12\mu_{11}\mu_{12}\mu_{03}\mu_{41}\mu_{43} \\
& -12\mu_{11}\mu_{12}\mu_{03}\mu_{32}\mu_{52} + 4\mu_{11}\mu_{12}\mu_{03}\mu_{23}\mu_{61} + \mu_{11}\mu_{03}^2\mu_{50}\mu_{43} \\
& -3\mu_{11}\mu_{03}^2\mu_{41}\mu_{52} + 3\mu_{11}\mu_{03}^2\mu_{32}\mu_{61} - \mu_{11}\mu_{03}^2\mu_{23}\mu_{70} + \mu_{02}\mu_{30}^2\mu_{41}\mu_{07} \\
& -3\mu_{02}\mu_{30}^2\mu_{32}\mu_{16} + 3\mu_{02}\mu_{30}^2\mu_{23}\mu_{25} - \mu_{02}\mu_{30}^2\mu_{14}\mu_{34} \\
& -\mu_{02}\mu_{30}\mu_{21}\mu_{50}\mu_{07} - \mu_{02}\mu_{30}\mu_{21}\mu_{41}\mu_{16} + 9\mu_{02}\mu_{30}\mu_{21}\mu_{32}\mu_{25} \\
& -11\mu_{02}\mu_{30}\mu_{21}\mu_{23}\mu_{34} + 4\mu_{02}\mu_{30}\mu_{21}\mu_{14}\mu_{43} + 2\mu_{02}\mu_{30}\mu_{12}\mu_{50}\mu_{16} \\
& -4\mu_{02}\mu_{30}\mu_{12}\mu_{41}\mu_{25} + 4\mu_{02}\mu_{30}\mu_{12}\mu_{23}\mu_{43} - 2\mu_{02}\mu_{30}\mu_{12}\mu_{14}\mu_{52} \\
& -\mu_{02}\mu_{30}\mu_{03}\mu_{50}\mu_{25} + 3\mu_{02}\mu_{30}\mu_{03}\mu_{41}\mu_{34} - 3\mu_{02}\mu_{30}\mu_{03}\mu_{32}\mu_{43} \\
& +\mu_{02}\mu_{30}\mu_{03}\mu_{23}\mu_{52} + 2\mu_{02}\mu_{21}^2\mu_{50}\mu_{16} - 2\mu_{02}\mu_{21}^2\mu_{41}\mu_{25} \\
& -6\mu_{02}\mu_{21}^2\mu_{32}\mu_{34} + 10\mu_{02}\mu_{21}^2\mu_{23}\mu_{43} - 4\mu_{02}\mu_{21}^2\mu_{14}\mu_{52} \\
& -5\mu_{02}\mu_{21}\mu_{12}\mu_{50}\mu_{25} + 11\mu_{02}\mu_{21}\mu_{12}\mu_{41}\mu_{34} - 3\mu_{02}\mu_{21}\mu_{12}\mu_{32}\mu_{43} \\
& -7\mu_{02}\mu_{21}\mu_{12}\mu_{23}\mu_{52} + 4\mu_{02}\mu_{21}\mu_{12}\mu_{14}\mu_{61} + 2\mu_{02}\mu_{21}\mu_{03}\mu_{50}\mu_{34} \\
& -6\mu_{02}\mu_{21}\mu_{03}\mu_{41}\mu_{43} + 6\mu_{02}\mu_{21}\mu_{03}\mu_{32}\mu_{52} - 2\mu_{02}\mu_{21}\mu_{03}\mu_{23}\mu_{61} \\
& +2\mu_{02}\mu_{12}^2\mu_{50}\mu_{34} - 5\mu_{02}\mu_{12}^2\mu_{41}\mu_{43} + 3\mu_{02}\mu_{12}^2\mu_{32}\mu_{52} + \mu_{02}\mu_{12}^2\mu_{23}\mu_{61} \\
& -\mu_{02}\mu_{12}^2\mu_{14}\mu_{70} - \mu_{02}\mu_{12}\mu_{03}\mu_{50}\mu_{43} + 3\mu_{02}\mu_{12}\mu_{03}\mu_{41}\mu_{52} \\
& -3\mu_{02}\mu_{12}\mu_{03}\mu_{32}\mu_{61} + \mu_{02}\mu_{12}\mu_{03}\mu_{23}\mu_{70})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,2,0,1,0,1

Generating graph:





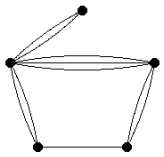
$$
\begin{aligned}
I_{257} \;=\; & (2\mu_{20}\mu_{30}\mu_{12}\mu_{41}\mu_{07} - 8\mu_{20}\mu_{30}\mu_{12}\mu_{32}\mu_{16} + 12\mu_{20}\mu_{30}\mu_{12}\mu_{23}\mu_{25} \\
& -8\mu_{20}\mu_{30}\mu_{12}\mu_{14}\mu_{34} + 2\mu_{20}\mu_{30}\mu_{12}\mu_{05}\mu_{43} - \mu_{20}\mu_{30}\mu_{03}\mu_{50}\mu_{07} \\
& +3\mu_{20}\mu_{30}\mu_{03}\mu_{41}\mu_{16} - 2\mu_{20}\mu_{30}\mu_{03}\mu_{32}\mu_{25} - 2\mu_{20}\mu_{30}\mu_{03}\mu_{23}\mu_{34} \\
& +3\mu_{20}\mu_{30}\mu_{03}\mu_{14}\mu_{43} - \mu_{20}\mu_{30}\mu_{03}\mu_{05}\mu_{52} - 2\mu_{20}\mu_{21}^2\mu_{41}\mu_{07} \\
& +8\mu_{20}\mu_{21}^2\mu_{32}\mu_{16} - 12\mu_{20}\mu_{21}^2\mu_{23}\mu_{25} + 8\mu_{20}\mu_{21}^2\mu_{14}\mu_{34} - 2\mu_{20}\mu_{21}^2\mu_{05}\mu_{43} \\
& +\mu_{20}\mu_{21}\mu_{12}\mu_{50}\mu_{07} - 3\mu_{20}\mu_{21}\mu_{12}\mu_{41}\mu_{16} + 2\mu_{20}\mu_{21}\mu_{12}\mu_{32}\mu_{25} \\
& +2\mu_{20}\mu_{21}\mu_{12}\mu_{23}\mu_{34} - 3\mu_{20}\mu_{21}\mu_{12}\mu_{14}\mu_{43} + \mu_{20}\mu_{21}\mu_{12}\mu_{05}\mu_{52} \\
& +2\mu_{20}\mu_{21}\mu_{03}\mu_{50}\mu_{16} - 8\mu_{20}\mu_{21}\mu_{03}\mu_{41}\mu_{25} + 12\mu_{20}\mu_{21}\mu_{03}\mu_{32}\mu_{34} \\
& -8\mu_{20}\mu_{21}\mu_{03}\mu_{23}\mu_{43} + 2\mu_{20}\mu_{21}\mu_{03}\mu_{14}\mu_{52} - 2\mu_{20}\mu_{12}^2\mu_{50}\mu_{16} \\
& +8\mu_{20}\mu_{12}^2\mu_{41}\mu_{25} - 12\mu_{20}\mu_{12}^2\mu_{32}\mu_{34} + 8\mu_{20}\mu_{12}^2\mu_{23}\mu_{43} - 2\mu_{20}\mu_{12}^2\mu_{14}\mu_{52} \\
& -4\mu_{11}\mu_{30}\mu_{12}\mu_{41}\mu_{16} + 16\mu_{11}\mu_{30}\mu_{12}\mu_{32}\mu_{25} - 24\mu_{11}\mu_{30}\mu_{12}\mu_{23}\mu_{34} \\
& +16\mu_{11}\mu_{30}\mu_{12}\mu_{14}\mu_{43} - 4\mu_{11}\mu_{30}\mu_{12}\mu_{05}\mu_{52} + 2\mu_{11}\mu_{30}\mu_{03}\mu_{50}\mu_{16} \\
& -6\mu_{11}\mu_{30}\mu_{03}\mu_{41}\mu_{25} + 4\mu_{11}\mu_{30}\mu_{03}\mu_{32}\mu_{34} + 4\mu_{11}\mu_{30}\mu_{03}\mu_{23}\mu_{43} \\
& -6\mu_{11}\mu_{30}\mu_{03}\mu_{14}\mu_{52} + 2\mu_{11}\mu_{30}\mu_{03}\mu_{05}\mu_{61} + 4\mu_{11}\mu_{21}^2\mu_{41}\mu_{16} \\
& -16\mu_{11}\mu_{21}^2\mu_{32}\mu_{25} + 24\mu_{11}\mu_{21}^2\mu_{23}\mu_{34} - 16\mu_{11}\mu_{21}^2\mu_{14}\mu_{43} + 4\mu_{11}\mu_{21}^2\mu_{05}\mu_{52} \\
& -2\mu_{11}\mu_{21}\mu_{12}\mu_{50}\mu_{16} + 6\mu_{11}\mu_{21}\mu_{12}\mu_{41}\mu_{25} - 4\mu_{11}\mu_{21}\mu_{12}\mu_{32}\mu_{34} \\
& -4\mu_{11}\mu_{21}\mu_{12}\mu_{23}\mu_{43} + 6\mu_{11}\mu_{21}\mu_{12}\mu_{14}\mu_{52} - 2\mu_{11}\mu_{21}\mu_{12}\mu_{05}\mu_{61} \\
& -4\mu_{11}\mu_{21}\mu_{03}\mu_{50}\mu_{25} + 16\mu_{11}\mu_{21}\mu_{03}\mu_{41}\mu_{34} - 24\mu_{11}\mu_{21}\mu_{03}\mu_{32}\mu_{43} \\
& +16\mu_{11}\mu_{21}\mu_{03}\mu_{23}\mu_{52} - 4\mu_{11}\mu_{21}\mu_{03}\mu_{14}\mu_{61} + 4\mu_{11}\mu_{12}^2\mu_{50}\mu_{25} \\
& -16\mu_{11}\mu_{12}^2\mu_{41}\mu_{34} + 24\mu_{11}\mu_{12}^2\mu_{32}\mu_{43} - 16\mu_{11}\mu_{12}^2\mu_{23}\mu_{52} + 4\mu_{11}\mu_{12}^2\mu_{14}\mu_{61} \\
& +2\mu_{02}\mu_{30}\mu_{12}\mu_{41}\mu_{25} - 8\mu_{02}\mu_{30}\mu_{12}\mu_{32}\mu_{34} + 12\mu_{02}\mu_{30}\mu_{12}\mu_{23}\mu_{43} \\
& -8\mu_{02}\mu_{30}\mu_{12}\mu_{14}\mu_{52} + 2\mu_{02}\mu_{30}\mu_{12}\mu_{05}\mu_{61} - \mu_{02}\mu_{30}\mu_{03}\mu_{50}\mu_{25} \\
& +3\mu_{02}\mu_{30}\mu_{03}\mu_{41}\mu_{34} - 2\mu_{02}\mu_{30}\mu_{03}\mu_{32}\mu_{43} - 2\mu_{02}\mu_{30}\mu_{03}\mu_{23}\mu_{52} \\
& +3\mu_{02}\mu_{30}\mu_{03}\mu_{14}\mu_{61} - \mu_{02}\mu_{30}\mu_{03}\mu_{05}\mu_{70} - 2\mu_{02}\mu_{21}^2\mu_{41}\mu_{25} \\
& +8\mu_{02}\mu_{21}^2\mu_{32}\mu_{34} - 12\mu_{02}\mu_{21}^2\mu_{23}\mu_{43} + 8\mu_{02}\mu_{21}^2\mu_{14}\mu_{52} - 2\mu_{02}\mu_{21}^2\mu_{05}\mu_{61} \\
& +\mu_{02}\mu_{21}\mu_{12}\mu_{50}\mu_{25} - 3\mu_{02}\mu_{21}\mu_{12}\mu_{41}\mu_{34} + 2\mu_{02}\mu_{21}\mu_{12}\mu_{32}\mu_{43} \\
& +2\mu_{02}\mu_{21}\mu_{12}\mu_{23}\mu_{52} - 3\mu_{02}\mu_{21}\mu_{12}\mu_{14}\mu_{61} + \mu_{02}\mu_{21}\mu_{12}\mu_{05}\mu_{70} \\
& +2\mu_{02}\mu_{21}\mu_{03}\mu_{50}\mu_{34} - 8\mu_{02}\mu_{21}\mu_{03}\mu_{41}\mu_{43} + 12\mu_{02}\mu_{21}\mu_{03}\mu_{32}\mu_{52} \\
& -8\mu_{02}\mu_{21}\mu_{03}\mu_{23}\mu_{61} + 2\mu_{02}\mu_{21}\mu_{03}\mu_{14}\mu_{70} - 2\mu_{02}\mu_{12}^2\mu_{50}\mu_{34} \\
& +8\mu_{02}\mu_{12}^2\mu_{41}\mu_{43} - 12\mu_{02}\mu_{12}^2\mu_{32}\mu_{52} + 8\mu_{02}\mu_{12}^2\mu_{23}\mu_{61} - 2\mu_{02}\mu_{12}^2\mu_{14}\mu_{70})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,2,0,1,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



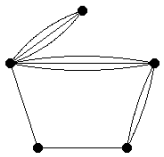
$$
\begin{aligned}
I_{258} \;=\; & (-\mu_{20}\mu_{30}\mu_{21}\mu_{32}\mu_{07} + 3\mu_{20}\mu_{30}\mu_{21}\mu_{23}\mu_{16} - 3\mu_{20}\mu_{30}\mu_{21}\mu_{14}\mu_{25} \\
& +\mu_{20}\mu_{30}\mu_{21}\mu_{05}\mu_{34} + 2\mu_{20}\mu_{30}\mu_{12}\mu_{41}\mu_{07} - 6\mu_{20}\mu_{30}\mu_{12}\mu_{32}\mu_{16} \\
& +6\mu_{20}\mu_{30}\mu_{12}\mu_{23}\mu_{25} - 2\mu_{20}\mu_{30}\mu_{12}\mu_{14}\mu_{34} - \mu_{20}\mu_{30}\mu_{03}\mu_{50}\mu_{07} \\
& +3\mu_{20}\mu_{30}\mu_{03}\mu_{41}\mu_{16} - 3\mu_{20}\mu_{30}\mu_{03}\mu_{32}\mu_{25} + \mu_{20}\mu_{30}\mu_{03}\mu_{23}\mu_{34} \\
& +3\mu_{20}\mu_{21}^2\mu_{32}\mu_{16} - 9\mu_{20}\mu_{21}^2\mu_{23}\mu_{25} + 9\mu_{20}\mu_{21}^2\mu_{14}\mu_{34} - 3\mu_{20}\mu_{21}^2\mu_{05}\mu_{43} \\
& -6\mu_{20}\mu_{21}\mu_{12}\mu_{41}\mu_{16} + 15\mu_{20}\mu_{21}\mu_{12}\mu_{32}\mu_{25} - 9\mu_{20}\mu_{21}\mu_{12}\mu_{23}\mu_{34} \\
& -3\mu_{20}\mu_{21}\mu_{12}\mu_{14}\mu_{43} + 3\mu_{20}\mu_{21}\mu_{12}\mu_{05}\mu_{52} + 3\mu_{20}\mu_{21}\mu_{03}\mu_{50}\mu_{16} \\
& -9\mu_{20}\mu_{21}\mu_{03}\mu_{41}\mu_{25} + 10\mu_{20}\mu_{21}\mu_{03}\mu_{32}\mu_{34} - 6\mu_{20}\mu_{21}\mu_{03}\mu_{23}\mu_{43} \\
& +3\mu_{20}\mu_{21}\mu_{03}\mu_{14}\mu_{52} - \mu_{20}\mu_{21}\mu_{03}\mu_{05}\mu_{61} + 6\mu_{20}\mu_{12}^2\mu_{41}\mu_{25} \\
& -18\mu_{20}\mu_{12}^2\mu_{32}\mu_{34} + 18\mu_{20}\mu_{12}^2\mu_{23}\mu_{43} - 6\mu_{20}\mu_{12}^2\mu_{14}\mu_{52} \\
& -3\mu_{20}\mu_{12}\mu_{03}\mu_{50}\mu_{25} + 7\mu_{20}\mu_{12}\mu_{03}\mu_{41}\mu_{34} - 3\mu_{20}\mu_{12}\mu_{03}\mu_{32}\mu_{43} \\
& -3\mu_{20}\mu_{12}\mu_{03}\mu_{23}\mu_{52} + 2\mu_{20}\mu_{12}\mu_{03}\mu_{14}\mu_{61} + \mu_{20}\mu_{03}^2\mu_{50}\mu_{34} \\
& -3\mu_{20}\mu_{03}^2\mu_{41}\mu_{43} + 3\mu_{20}\mu_{03}^2\mu_{32}\mu_{52} - \mu_{20}\mu_{03}^2\mu_{23}\mu_{61} + \mu_{11}\mu_{30}^2\mu_{32}\mu_{07} \\
& -3\mu_{11}\mu_{30}^2\mu_{23}\mu_{16} + 3\mu_{11}\mu_{30}^2\mu_{14}\mu_{25} - \mu_{11}\mu_{30}^2\mu_{05}\mu_{34} \\
& -2\mu_{11}\mu_{30}\mu_{21}\mu_{41}\mu_{07} + 4\mu_{11}\mu_{30}\mu_{21}\mu_{32}\mu_{16} - 4\mu_{11}\mu_{30}\mu_{21}\mu_{14}\mu_{34} \\
& +2\mu_{11}\mu_{30}\mu_{21}\mu_{05}\mu_{43} + \mu_{11}\mu_{30}\mu_{12}\mu_{50}\mu_{07} - 5\mu_{11}\mu_{30}\mu_{12}\mu_{41}\mu_{16} \\
& +12\mu_{11}\mu_{30}\mu_{12}\mu_{32}\mu_{25} - 16\mu_{11}\mu_{30}\mu_{12}\mu_{23}\mu_{34} + 11\mu_{11}\mu_{30}\mu_{12}\mu_{14}\mu_{43} \\
& -3\mu_{11}\mu_{30}\mu_{12}\mu_{05}\mu_{52} + \mu_{11}\mu_{30}\mu_{03}\mu_{50}\mu_{16} - 3\mu_{11}\mu_{30}\mu_{03}\mu_{41}\mu_{25} \\
& +2\mu_{11}\mu_{30}\mu_{03}\mu_{32}\mu_{34} + 2\mu_{11}\mu_{30}\mu_{03}\mu_{23}\mu_{43} - 3\mu_{11}\mu_{30}\mu_{03}\mu_{14}\mu_{52} \\
& +\mu_{11}\mu_{30}\mu_{03}\mu_{05}\mu_{61} + 6\mu_{11}\mu_{21}^2\mu_{41}\mu_{16} - 21\mu_{11}\mu_{21}^2\mu_{32}\mu_{25} \\
& +27\mu_{11}\mu_{21}^2\mu_{23}\mu_{34} - 15\mu_{11}\mu_{21}^2\mu_{14}\mu_{43} + 3\mu_{11}\mu_{21}^2\mu_{05}\mu_{52} \\
& -3\mu_{11}\mu_{21}\mu_{12}\mu_{50}\mu_{16} + 9\mu_{11}\mu_{21}\mu_{12}\mu_{41}\mu_{25} - 6\mu_{11}\mu_{21}\mu_{12}\mu_{32}\mu_{34} \\
& -6\mu_{11}\mu_{21}\mu_{12}\mu_{23}\mu_{43} + 9\mu_{11}\mu_{21}\mu_{12}\mu_{14}\mu_{52} - 3\mu_{11}\mu_{21}\mu_{12}\mu_{05}\mu_{61} \\
& -3\mu_{11}\mu_{21}\mu_{03}\mu_{50}\mu_{25} + 11\mu_{11}\mu_{21}\mu_{03}\mu_{41}\mu_{34} - 16\mu_{11}\mu_{21}\mu_{03}\mu_{32}\mu_{43} \\
& +12\mu_{11}\mu_{21}\mu_{03}\mu_{23}\mu_{52} - 5\mu_{11}\mu_{21}\mu_{03}\mu_{14}\mu_{61} + \mu_{11}\mu_{21}\mu_{03}\mu_{05}\mu_{70} \\
& +3\mu_{11}\mu_{12}^2\mu_{50}\mu_{25} - 15\mu_{11}\mu_{12}^2\mu_{41}\mu_{34} + 27\mu_{11}\mu_{12}^2\mu_{32}\mu_{43} - 21\mu_{11}\mu_{12}^2\mu_{23}\mu_{52} \\
& +6\mu_{11}\mu_{12}^2\mu_{14}\mu_{61} + 2\mu_{11}\mu_{12}\mu_{03}\mu_{50}\mu_{34} - 4\mu_{11}\mu_{12}\mu_{03}\mu_{41}\mu_{43} \\
& +4\mu_{11}\mu_{12}\mu_{03}\mu_{23}\mu_{61} - 2\mu_{11}\mu_{12}\mu_{03}\mu_{14}\mu_{70} - \mu_{11}\mu_{03}^2\mu_{50}\mu_{43} \\
& +3\mu_{11}\mu_{03}^2\mu_{41}\mu_{52} - 3\mu_{11}\mu_{03}^2\mu_{32}\mu_{61} + \mu_{11}\mu_{03}^2\mu_{23}\mu_{70} - \mu_{02}\mu_{30}^2\mu_{32}\mu_{16} \\
& +3\mu_{02}\mu_{30}^2\mu_{23}\mu_{25} - 3\mu_{02}\mu_{30}^2\mu_{14}\mu_{34} + \mu_{02}\mu_{30}^2\mu_{05}\mu_{43} \\
& +2\mu_{02}\mu_{30}\mu_{21}\mu_{41}\mu_{16} - 3\mu_{02}\mu_{30}\mu_{21}\mu_{32}\mu_{25} - 3\mu_{02}\mu_{30}\mu_{21}\mu_{23}\mu_{34} \\
& +7\mu_{02}\mu_{30}\mu_{21}\mu_{14}\mu_{43} - 3\mu_{02}\mu_{30}\mu_{21}\mu_{05}\mu_{52} - \mu_{02}\mu_{30}\mu_{12}\mu_{50}\mu_{16} \\
& +3\mu_{02}\mu_{30}\mu_{12}\mu_{41}\mu_{25} - 6\mu_{02}\mu_{30}\mu_{12}\mu_{32}\mu_{34} + 10\mu_{02}\mu_{30}\mu_{12}\mu_{23}\mu_{43} \\
& -9\mu_{02}\mu_{30}\mu_{12}\mu_{14}\mu_{52} + 3\mu_{02}\mu_{30}\mu_{12}\mu_{05}\mu_{61} + \mu_{02}\mu_{30}\mu_{03}\mu_{32}\mu_{43} \\
& -3\mu_{02}\mu_{30}\mu_{03}\mu_{23}\mu_{52} + 3\mu_{02}\mu_{30}\mu_{03}\mu_{14}\mu_{61} - \mu_{02}\mu_{30}\mu_{03}\mu_{05}\mu_{70} \\
& -6\mu_{02}\mu_{21}^2\mu_{41}\mu_{25} + 18\mu_{02}\mu_{21}^2\mu_{32}\mu_{34} - 18\mu_{02}\mu_{21}^2\mu_{23}\mu_{43} + 6\mu_{02}\mu_{21}^2\mu_{14}\mu_{52} \\
& +3\mu_{02}\mu_{21}\mu_{12}\mu_{50}\mu_{25} - 3\mu_{02}\mu_{21}\mu_{12}\mu_{41}\mu_{34} - 9\mu_{02}\mu_{21}\mu_{12}\mu_{32}\mu_{43} \\
& +15\mu_{02}\mu_{21}\mu_{12}\mu_{23}\mu_{52} - 6\mu_{02}\mu_{21}\mu_{12}\mu_{14}\mu_{61} - 2\mu_{02}\mu_{21}\mu_{03}\mu_{41}\mu_{43} \\
& +6\mu_{02}\mu_{21}\mu_{03}\mu_{32}\mu_{52} - 6\mu_{02}\mu_{21}\mu_{03}\mu_{23}\mu_{61} + 2\mu_{02}\mu_{21}\mu_{03}\mu_{14}\mu_{70} \\
& -3\mu_{02}\mu_{12}^2\mu_{50}\mu_{34} + 9\mu_{02}\mu_{12}^2\mu_{41}\mu_{43} - 9\mu_{02}\mu_{12}^2\mu_{32}\mu_{52} + 3\mu_{02}\mu_{12}^2\mu_{23}\mu_{61} \\
& +\mu_{02}\mu_{12}\mu_{03}\mu_{50}\mu_{43} - 3\mu_{02}\mu_{12}\mu_{03}\mu_{41}\mu_{52} + 3\mu_{02}\mu_{12}\mu_{03}\mu_{32}\mu_{61} \\
& -\mu_{02}\mu_{12}\mu_{03}\mu_{23}\mu_{70})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,2,0,1,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 2 | 2 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |



**Simultaneous invariants of the orders 2, 4, 5 and 7**

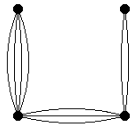
$$
\begin{aligned}
I_{259} \;=\; & (-\mu_{20}\mu_{40}\mu_{32}\mu_{07} + 3\mu_{20}\mu_{40}\mu_{23}\mu_{16} - 3\mu_{20}\mu_{40}\mu_{14}\mu_{25} + \mu_{20}\mu_{40}\mu_{05}\mu_{34} \\
& +4\mu_{20}\mu_{31}\mu_{32}\mu_{16} - 12\mu_{20}\mu_{31}\mu_{23}\mu_{25} + 12\mu_{20}\mu_{31}\mu_{14}\mu_{34} - 4\mu_{20}\mu_{31}\mu_{05}\mu_{43} \\
& -6\mu_{20}\mu_{22}\mu_{32}\mu_{25} + 18\mu_{20}\mu_{22}\mu_{23}\mu_{34} - 18\mu_{20}\mu_{22}\mu_{14}\mu_{43} + 6\mu_{20}\mu_{22}\mu_{05}\mu_{52} \\
& +4\mu_{20}\mu_{13}\mu_{32}\mu_{34} - 12\mu_{20}\mu_{13}\mu_{23}\mu_{43} + 12\mu_{20}\mu_{13}\mu_{14}\mu_{52} - 4\mu_{20}\mu_{13}\mu_{05}\mu_{61} \\
& -\mu_{20}\mu_{04}\mu_{32}\mu_{43} + 3\mu_{20}\mu_{04}\mu_{23}\mu_{52} - 3\mu_{20}\mu_{04}\mu_{14}\mu_{61} + \mu_{20}\mu_{04}\mu_{05}\mu_{70} \\
& +2\mu_{11}\mu_{40}\mu_{41}\mu_{07} - 6\mu_{11}\mu_{40}\mu_{32}\mu_{16} + 6\mu_{11}\mu_{40}\mu_{23}\mu_{25} - 2\mu_{11}\mu_{40}\mu_{14}\mu_{34} \\
& -8\mu_{11}\mu_{31}\mu_{41}\mu_{16} + 24\mu_{11}\mu_{31}\mu_{32}\mu_{25} - 24\mu_{11}\mu_{31}\mu_{23}\mu_{34} + 8\mu_{11}\mu_{31}\mu_{14}\mu_{43} \\
& +12\mu_{11}\mu_{22}\mu_{41}\mu_{25} - 36\mu_{11}\mu_{22}\mu_{32}\mu_{34} + 36\mu_{11}\mu_{22}\mu_{23}\mu_{43} - 12\mu_{11}\mu_{22}\mu_{14}\mu_{52} \\
& -8\mu_{11}\mu_{13}\mu_{41}\mu_{34} + 24\mu_{11}\mu_{13}\mu_{32}\mu_{43} - 24\mu_{11}\mu_{13}\mu_{23}\mu_{52} + 8\mu_{11}\mu_{13}\mu_{14}\mu_{61} \\
& +2\mu_{11}\mu_{04}\mu_{41}\mu_{43} - 6\mu_{11}\mu_{04}\mu_{32}\mu_{52} + 6\mu_{11}\mu_{04}\mu_{23}\mu_{61} - 2\mu_{11}\mu_{04}\mu_{14}\mu_{70} \\
& -\mu_{02}\mu_{40}\mu_{50}\mu_{07} + 3\mu_{02}\mu_{40}\mu_{41}\mu_{16} - 3\mu_{02}\mu_{40}\mu_{32}\mu_{25} + \mu_{02}\mu_{40}\mu_{23}\mu_{34} \\
& +4\mu_{02}\mu_{31}\mu_{50}\mu_{16} - 12\mu_{02}\mu_{31}\mu_{41}\mu_{25} + 12\mu_{02}\mu_{31}\mu_{32}\mu_{34} - 4\mu_{02}\mu_{31}\mu_{23}\mu_{43} \\
& -6\mu_{02}\mu_{22}\mu_{50}\mu_{25} + 18\mu_{02}\mu_{22}\mu_{41}\mu_{34} - 18\mu_{02}\mu_{22}\mu_{32}\mu_{43} + 6\mu_{02}\mu_{22}\mu_{23}\mu_{52} \\
& +4\mu_{02}\mu_{13}\mu_{50}\mu_{34} - 12\mu_{02}\mu_{13}\mu_{41}\mu_{43} + 12\mu_{02}\mu_{13}\mu_{32}\mu_{52} - 4\mu_{02}\mu_{13}\mu_{23}\mu_{61} \\
& -\mu_{02}\mu_{04}\mu_{50}\mu_{43} + 3\mu_{02}\mu_{04}\mu_{41}\mu_{52} - 3\mu_{02}\mu_{04}\mu_{32}\mu_{61} + \mu_{02}\mu_{04}\mu_{23}\mu_{70})/\mu_{00}^{13}
\end{aligned}
$$

weight=9

structure: 1,0,1,1,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 |



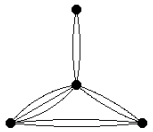
$$
\begin{aligned}
I_{260} \;=\; & (-\mu_{20}\mu_{40}\mu_{32}\mu_{07} + 3\mu_{20}\mu_{40}\mu_{23}\mu_{16} - 3\mu_{20}\mu_{40}\mu_{14}\mu_{25} + \mu_{20}\mu_{40}\mu_{05}\mu_{34} \\
& +2\mu_{20}\mu_{31}\mu_{41}\mu_{07} - 4\mu_{20}\mu_{31}\mu_{32}\mu_{16} + 4\mu_{20}\mu_{31}\mu_{14}\mu_{34} - 2\mu_{20}\mu_{31}\mu_{05}\mu_{43} \\
& -\mu_{20}\mu_{22}\mu_{50}\mu_{07} - \mu_{20}\mu_{22}\mu_{41}\mu_{16} + 8\mu_{20}\mu_{22}\mu_{32}\mu_{25} - 8\mu_{20}\mu_{22}\mu_{23}\mu_{34} \\
& +\mu_{20}\mu_{22}\mu_{14}\mu_{43} + \mu_{20}\mu_{22}\mu_{05}\mu_{52} + 2\mu_{20}\mu_{13}\mu_{50}\mu_{16} - 4\mu_{20}\mu_{13}\mu_{41}\mu_{25} \\
& +4\mu_{20}\mu_{13}\mu_{23}\mu_{43} - 2\mu_{20}\mu_{13}\mu_{14}\mu_{52} - \mu_{20}\mu_{04}\mu_{50}\mu_{25} + 3\mu_{20}\mu_{04}\mu_{41}\mu_{34} \\
& -3\mu_{20}\mu_{04}\mu_{32}\mu_{43} + \mu_{20}\mu_{04}\mu_{23}\mu_{52} + 2\mu_{11}\mu_{40}\mu_{32}\mu_{16} - 6\mu_{11}\mu_{40}\mu_{23}\mu_{25} \\
& +6\mu_{11}\mu_{40}\mu_{14}\mu_{34} - 2\mu_{11}\mu_{40}\mu_{05}\mu_{43} - 4\mu_{11}\mu_{31}\mu_{41}\mu_{16} + 8\mu_{11}\mu_{31}\mu_{32}\mu_{25} \\
& -8\mu_{11}\mu_{31}\mu_{14}\mu_{43} + 4\mu_{11}\mu_{31}\mu_{05}\mu_{52} + 2\mu_{11}\mu_{22}\mu_{50}\mu_{16} + 2\mu_{11}\mu_{22}\mu_{41}\mu_{25} \\
& -16\mu_{11}\mu_{22}\mu_{32}\mu_{34} + 16\mu_{11}\mu_{22}\mu_{23}\mu_{43} - 2\mu_{11}\mu_{22}\mu_{14}\mu_{52} - 2\mu_{11}\mu_{22}\mu_{05}\mu_{61} \\
& -4\mu_{11}\mu_{13}\mu_{50}\mu_{25} + 8\mu_{11}\mu_{13}\mu_{41}\mu_{34} - 8\mu_{11}\mu_{13}\mu_{23}\mu_{52} + 4\mu_{11}\mu_{13}\mu_{14}\mu_{61} \\
& +2\mu_{11}\mu_{04}\mu_{50}\mu_{34} - 6\mu_{11}\mu_{04}\mu_{41}\mu_{43} + 6\mu_{11}\mu_{04}\mu_{32}\mu_{52} - 2\mu_{11}\mu_{04}\mu_{23}\mu_{61} \\
& -\mu_{02}\mu_{40}\mu_{32}\mu_{25} + 3\mu_{02}\mu_{40}\mu_{23}\mu_{34} - 3\mu_{02}\mu_{40}\mu_{14}\mu_{43} + \mu_{02}\mu_{40}\mu_{05}\mu_{52} \\
& +2\mu_{02}\mu_{31}\mu_{41}\mu_{25} - 4\mu_{02}\mu_{31}\mu_{32}\mu_{34} + 4\mu_{02}\mu_{31}\mu_{14}\mu_{52} - 2\mu_{02}\mu_{31}\mu_{05}\mu_{61} \\
& -\mu_{02}\mu_{22}\mu_{50}\mu_{25} - \mu_{02}\mu_{22}\mu_{41}\mu_{34} + 8\mu_{02}\mu_{22}\mu_{32}\mu_{43} - 8\mu_{02}\mu_{22}\mu_{23}\mu_{52} \\
& +\mu_{02}\mu_{22}\mu_{14}\mu_{61} + \mu_{02}\mu_{22}\mu_{05}\mu_{70} + 2\mu_{02}\mu_{13}\mu_{50}\mu_{34} - 4\mu_{02}\mu_{13}\mu_{41}\mu_{43} \\
& +4\mu_{02}\mu_{13}\mu_{23}\mu_{61} - 2\mu_{02}\mu_{13}\mu_{14}\mu_{70} - \mu_{02}\mu_{04}\mu_{50}\mu_{43} + 3\mu_{02}\mu_{04}\mu_{41}\mu_{52} \\
& -3\mu_{02}\mu_{04}\mu_{32}\mu_{61} + \mu_{02}\mu_{04}\mu_{23}\mu_{70})/\mu_{00}^{13}
\end{aligned}
$$

weight=9

structure: 1,0,1,1,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 4 |



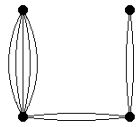
$$
\begin{aligned}
I_{261} \;=\; & (-\mu_{20}\mu_{22}\mu_{50}\mu_{07} + 5\mu_{20}\mu_{22}\mu_{41}\mu_{16} - 10\mu_{20}\mu_{22}\mu_{32}\mu_{25} + 10\mu_{20}\mu_{22}\mu_{23}\mu_{34} \\
& -5\mu_{20}\mu_{22}\mu_{14}\mu_{43} + \mu_{20}\mu_{22}\mu_{05}\mu_{52} + 2\mu_{20}\mu_{13}\mu_{50}\mu_{16} - 10\mu_{20}\mu_{13}\mu_{41}\mu_{25} \\
& +20\mu_{20}\mu_{13}\mu_{32}\mu_{34} - 20\mu_{20}\mu_{13}\mu_{23}\mu_{43} + 10\mu_{20}\mu_{13}\mu_{14}\mu_{52} - 2\mu_{20}\mu_{13}\mu_{05}\mu_{61} \\
& -\mu_{20}\mu_{04}\mu_{50}\mu_{25} + 5\mu_{20}\mu_{04}\mu_{41}\mu_{34} - 10\mu_{20}\mu_{04}\mu_{32}\mu_{43} + 10\mu_{20}\mu_{04}\mu_{23}\mu_{52} \\
& -5\mu_{20}\mu_{04}\mu_{14}\mu_{61} + \mu_{20}\mu_{04}\mu_{05}\mu_{70} + 2\mu_{11}\mu_{31}\mu_{50}\mu_{07} - 10\mu_{11}\mu_{31}\mu_{41}\mu_{16} \\
& +20\mu_{11}\mu_{31}\mu_{32}\mu_{25} - 20\mu_{11}\mu_{31}\mu_{23}\mu_{34} + 10\mu_{11}\mu_{31}\mu_{14}\mu_{43} - 2\mu_{11}\mu_{31}\mu_{05}\mu_{52} \\
& -4\mu_{11}\mu_{22}\mu_{50}\mu_{16} + 20\mu_{11}\mu_{22}\mu_{41}\mu_{25} - 40\mu_{11}\mu_{22}\mu_{32}\mu_{34} + 40\mu_{11}\mu_{22}\mu_{23}\mu_{43} \\
& -20\mu_{11}\mu_{22}\mu_{14}\mu_{52} + 4\mu_{11}\mu_{22}\mu_{05}\mu_{61} + 2\mu_{11}\mu_{13}\mu_{50}\mu_{25} - 10\mu_{11}\mu_{13}\mu_{41}\mu_{34} \\
& +20\mu_{11}\mu_{13}\mu_{32}\mu_{43} - 20\mu_{11}\mu_{13}\mu_{23}\mu_{52} + 10\mu_{11}\mu_{13}\mu_{14}\mu_{61} - 2\mu_{11}\mu_{13}\mu_{05}\mu_{70} \\
& -\mu_{02}\mu_{40}\mu_{50}\mu_{07} + 5\mu_{02}\mu_{40}\mu_{41}\mu_{16} - 10\mu_{02}\mu_{40}\mu_{32}\mu_{25} + 10\mu_{02}\mu_{40}\mu_{23}\mu_{34} \\
& -5\mu_{02}\mu_{40}\mu_{14}\mu_{43} + \mu_{02}\mu_{40}\mu_{05}\mu_{52} + 2\mu_{02}\mu_{31}\mu_{50}\mu_{16} - 10\mu_{02}\mu_{31}\mu_{41}\mu_{25} \\
& +20\mu_{02}\mu_{31}\mu_{32}\mu_{34} - 20\mu_{02}\mu_{31}\mu_{23}\mu_{43} + 10\mu_{02}\mu_{31}\mu_{14}\mu_{52} - 2\mu_{02}\mu_{31}\mu_{05}\mu_{61} \\
& -\mu_{02}\mu_{22}\mu_{50}\mu_{25} + 5\mu_{02}\mu_{22}\mu_{41}\mu_{34} - 10\mu_{02}\mu_{22}\mu_{32}\mu_{43} + 10\mu_{02}\mu_{22}\mu_{23}\mu_{52} \\
& -5\mu_{02}\mu_{22}\mu_{14}\mu_{61} + \mu_{02}\mu_{22}\mu_{05}\mu_{70})/\mu_{00}^{13}
\end{aligned}
$$

weight=9

structure: 1,0,1,1,0,1

Generating graph:

| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |



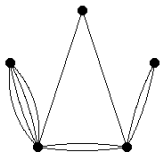
$$
\begin{aligned}
I_{262} \;=\; & (\mu_{20}^2\mu_{40}\mu_{23}\mu_{07} - 2\mu_{20}^2\mu_{40}\mu_{14}\mu_{16} + \mu_{20}^2\mu_{40}\mu_{05}\mu_{25} - 4\mu_{20}^2\mu_{31}\mu_{23}\mu_{16} \\
& +8\mu_{20}^2\mu_{31}\mu_{14}\mu_{25} - 4\mu_{20}^2\mu_{31}\mu_{05}\mu_{34} + 6\mu_{20}^2\mu_{22}\mu_{23}\mu_{25} - 12\mu_{20}^2\mu_{22}\mu_{14}\mu_{34} \\
& +6\mu_{20}^2\mu_{22}\mu_{05}\mu_{43} - 4\mu_{20}^2\mu_{13}\mu_{23}\mu_{34} + 8\mu_{20}^2\mu_{13}\mu_{14}\mu_{43} - 4\mu_{20}^2\mu_{13}\mu_{05}\mu_{52} \\
& +\mu_{20}^2\mu_{04}\mu_{23}\mu_{43} - 2\mu_{20}^2\mu_{04}\mu_{14}\mu_{52} + \mu_{20}^2\mu_{04}\mu_{05}\mu_{61} \\
& -3\mu_{20}\mu_{11}\mu_{40}\mu_{32}\mu_{07} + 5\mu_{20}\mu_{11}\mu_{40}\mu_{23}\mu_{16} - \mu_{20}\mu_{11}\mu_{40}\mu_{14}\mu_{25} \\
& -\mu_{20}\mu_{11}\mu_{40}\mu_{05}\mu_{34} + 12\mu_{20}\mu_{11}\mu_{31}\mu_{32}\mu_{16} - 20\mu_{20}\mu_{11}\mu_{31}\mu_{23}\mu_{25} \\
& +4\mu_{20}\mu_{11}\mu_{31}\mu_{14}\mu_{34} + 4\mu_{20}\mu_{11}\mu_{31}\mu_{05}\mu_{43} - 18\mu_{20}\mu_{11}\mu_{22}\mu_{32}\mu_{25} \\
& +30\mu_{20}\mu_{11}\mu_{22}\mu_{23}\mu_{34} - 6\mu_{20}\mu_{11}\mu_{22}\mu_{14}\mu_{43} - 6\mu_{20}\mu_{11}\mu_{22}\mu_{05}\mu_{52} \\
& +12\mu_{20}\mu_{11}\mu_{13}\mu_{32}\mu_{34} - 20\mu_{20}\mu_{11}\mu_{13}\mu_{23}\mu_{43} + 4\mu_{20}\mu_{11}\mu_{13}\mu_{14}\mu_{52} \\
& +4\mu_{20}\mu_{11}\mu_{13}\mu_{05}\mu_{61} - 3\mu_{20}\mu_{11}\mu_{04}\mu_{32}\mu_{43} + 5\mu_{20}\mu_{11}\mu_{04}\mu_{23}\mu_{52} \\
& -\mu_{20}\mu_{11}\mu_{04}\mu_{14}\mu_{61} - \mu_{20}\mu_{11}\mu_{04}\mu_{05}\mu_{70} + \mu_{20}\mu_{02}\mu_{40}\mu_{41}\mu_{07} \\
& -\mu_{20}\mu_{02}\mu_{40}\mu_{32}\mu_{16} - \mu_{20}\mu_{02}\mu_{40}\mu_{23}\mu_{25} + \mu_{20}\mu_{02}\mu_{40}\mu_{14}\mu_{34} \\
& -4\mu_{20}\mu_{02}\mu_{31}\mu_{41}\mu_{16} + 4\mu_{20}\mu_{02}\mu_{31}\mu_{32}\mu_{25} + 4\mu_{20}\mu_{02}\mu_{31}\mu_{23}\mu_{34} \\
& -4\mu_{20}\mu_{02}\mu_{31}\mu_{14}\mu_{43} + 6\mu_{20}\mu_{02}\mu_{22}\mu_{41}\mu_{25} - 6\mu_{20}\mu_{02}\mu_{22}\mu_{32}\mu_{34} \\
& -6\mu_{20}\mu_{02}\mu_{22}\mu_{23}\mu_{43} + 6\mu_{20}\mu_{02}\mu_{22}\mu_{14}\mu_{52} - 4\mu_{20}\mu_{02}\mu_{13}\mu_{41}\mu_{34} \\
& +4\mu_{20}\mu_{02}\mu_{13}\mu_{32}\mu_{43} + 4\mu_{20}\mu_{02}\mu_{13}\mu_{23}\mu_{52} - 4\mu_{20}\mu_{02}\mu_{13}\mu_{14}\mu_{61} \\
& +\mu_{20}\mu_{02}\mu_{04}\mu_{41}\mu_{43} - \mu_{20}\mu_{02}\mu_{04}\mu_{32}\mu_{52} - \mu_{20}\mu_{02}\mu_{04}\mu_{23}\mu_{61} \\
& +\mu_{20}\mu_{02}\mu_{04}\mu_{14}\mu_{70} + 2\mu_{11}^2\mu_{40}\mu_{41}\mu_{07} - 2\mu_{11}^2\mu_{40}\mu_{32}\mu_{16} \\
& -2\mu_{11}^2\mu_{40}\mu_{23}\mu_{25} + 2\mu_{11}^2\mu_{40}\mu_{14}\mu_{34} - 8\mu_{11}^2\mu_{31}\mu_{41}\mu_{16} + 8\mu_{11}^2\mu_{31}\mu_{32}\mu_{25} \\
& +8\mu_{11}^2\mu_{31}\mu_{23}\mu_{34} - 8\mu_{11}^2\mu_{31}\mu_{14}\mu_{43} + 12\mu_{11}^2\mu_{22}\mu_{41}\mu_{25} - 12\mu_{11}^2\mu_{22}\mu_{32}\mu_{34} \\
& -12\mu_{11}^2\mu_{22}\mu_{23}\mu_{43} + 12\mu_{11}^2\mu_{22}\mu_{14}\mu_{52} - 8\mu_{11}^2\mu_{13}\mu_{41}\mu_{34} + 8\mu_{11}^2\mu_{13}\mu_{32}\mu_{43} \\
& +8\mu_{11}^2\mu_{13}\mu_{23}\mu_{52} - 8\mu_{11}^2\mu_{13}\mu_{14}\mu_{61} + 2\mu_{11}^2\mu_{04}\mu_{41}\mu_{43} - 2\mu_{11}^2\mu_{04}\mu_{32}\mu_{52} \\
& -2\mu_{11}^2\mu_{04}\mu_{23}\mu_{61} + 2\mu_{11}^2\mu_{04}\mu_{14}\mu_{70} - \mu_{11}\mu_{02}\mu_{40}\mu_{50}\mu_{07} \\
& -\mu_{11}\mu_{02}\mu_{40}\mu_{41}\mu_{16} + 5\mu_{11}\mu_{02}\mu_{40}\mu_{32}\mu_{25} - 3\mu_{11}\mu_{02}\mu_{40}\mu_{23}\mu_{34} \\
& +4\mu_{11}\mu_{02}\mu_{31}\mu_{50}\mu_{16} + 4\mu_{11}\mu_{02}\mu_{31}\mu_{41}\mu_{25} - 20\mu_{11}\mu_{02}\mu_{31}\mu_{32}\mu_{34} \\
& +12\mu_{11}\mu_{02}\mu_{31}\mu_{23}\mu_{43} - 6\mu_{11}\mu_{02}\mu_{22}\mu_{50}\mu_{25} - 6\mu_{11}\mu_{02}\mu_{22}\mu_{41}\mu_{34} \\
& +30\mu_{11}\mu_{02}\mu_{22}\mu_{32}\mu_{43} - 18\mu_{11}\mu_{02}\mu_{22}\mu_{23}\mu_{52} + 4\mu_{11}\mu_{02}\mu_{13}\mu_{50}\mu_{34} \\
& +4\mu_{11}\mu_{02}\mu_{13}\mu_{41}\mu_{43} - 20\mu_{11}\mu_{02}\mu_{13}\mu_{32}\mu_{52} + 12\mu_{11}\mu_{02}\mu_{13}\mu_{23}\mu_{61} \\
& -\mu_{11}\mu_{02}\mu_{04}\mu_{50}\mu_{43} - \mu_{11}\mu_{02}\mu_{04}\mu_{41}\mu_{52} + 5\mu_{11}\mu_{02}\mu_{04}\mu_{32}\mu_{61} \\
& -3\mu_{11}\mu_{02}\mu_{04}\mu_{23}\mu_{70} + \mu_{02}^2\mu_{40}\mu_{50}\mu_{16} - 2\mu_{02}^2\mu_{40}\mu_{41}\mu_{25} \\
& +\mu_{02}^2\mu_{40}\mu_{32}\mu_{34} - 4\mu_{02}^2\mu_{31}\mu_{50}\mu_{25} + 8\mu_{02}^2\mu_{31}\mu_{41}\mu_{34} - 4\mu_{02}^2\mu_{31}\mu_{32}\mu_{43} \\
& +6\mu_{02}^2\mu_{22}\mu_{50}\mu_{34} - 12\mu_{02}^2\mu_{22}\mu_{41}\mu_{43} + 6\mu_{02}^2\mu_{22}\mu_{32}\mu_{52} - 4\mu_{02}^2\mu_{13}\mu_{50}\mu_{43} \\
& +8\mu_{02}^2\mu_{13}\mu_{41}\mu_{52} - 4\mu_{02}^2\mu_{13}\mu_{32}\mu_{61} + \mu_{02}^2\mu_{04}\mu_{50}\mu_{52} - 2\mu_{02}^2\mu_{04}\mu_{41}\mu_{61} \\
& +\mu_{02}^2\mu_{04}\mu_{32}\mu_{70})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 2,0,1,1,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5 |



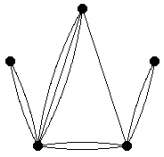
$$
\begin{aligned}
I_{263} \;=\; & (\mu_{20}^2\mu_{40}\mu_{23}\mu_{07} - 2\mu_{20}^2\mu_{40}\mu_{14}\mu_{16} + \mu_{20}^2\mu_{40}\mu_{05}\mu_{25} - \mu_{20}^2\mu_{31}\mu_{32}\mu_{07} \\
& -\mu_{20}^2\mu_{31}\mu_{23}\mu_{16} + 5\mu_{20}^2\mu_{31}\mu_{14}\mu_{25} - 3\mu_{20}^2\mu_{31}\mu_{05}\mu_{34} + 3\mu_{20}^2\mu_{22}\mu_{32}\mu_{16} \\
& -3\mu_{20}^2\mu_{22}\mu_{23}\mu_{25} - 3\mu_{20}^2\mu_{22}\mu_{14}\mu_{34} + 3\mu_{20}^2\mu_{22}\mu_{05}\mu_{43} - 3\mu_{20}^2\mu_{13}\mu_{32}\mu_{25} \\
& +5\mu_{20}^2\mu_{13}\mu_{23}\mu_{34} - \mu_{20}^2\mu_{13}\mu_{14}\mu_{43} - \mu_{20}^2\mu_{13}\mu_{05}\mu_{52} + \mu_{20}^2\mu_{04}\mu_{32}\mu_{34} \\
& -2\mu_{20}^2\mu_{04}\mu_{23}\mu_{43} + \mu_{20}^2\mu_{04}\mu_{14}\mu_{52} - 2\mu_{20}\mu_{11}\mu_{40}\mu_{32}\mu_{07} \\
& +2\mu_{20}\mu_{11}\mu_{40}\mu_{23}\mu_{16} + 2\mu_{20}\mu_{11}\mu_{40}\mu_{14}\mu_{25} - 2\mu_{20}\mu_{11}\mu_{40}\mu_{05}\mu_{34} \\
& +2\mu_{20}\mu_{11}\mu_{31}\mu_{41}\mu_{07} + 4\mu_{20}\mu_{11}\mu_{31}\mu_{32}\mu_{16} - 8\mu_{20}\mu_{11}\mu_{31}\mu_{23}\mu_{25} \\
& -4\mu_{20}\mu_{11}\mu_{31}\mu_{14}\mu_{34} + 6\mu_{20}\mu_{11}\mu_{31}\mu_{05}\mu_{43} - 6\mu_{20}\mu_{11}\mu_{22}\mu_{41}\mu_{16} \\
& +12\mu_{20}\mu_{11}\mu_{22}\mu_{23}\mu_{34} - 6\mu_{20}\mu_{11}\mu_{22}\mu_{05}\mu_{52} + 6\mu_{20}\mu_{11}\mu_{13}\mu_{41}\mu_{25} \\
& -4\mu_{20}\mu_{11}\mu_{13}\mu_{32}\mu_{34} - 8\mu_{20}\mu_{11}\mu_{13}\mu_{23}\mu_{43} + 4\mu_{20}\mu_{11}\mu_{13}\mu_{14}\mu_{52} \\
& +2\mu_{20}\mu_{11}\mu_{13}\mu_{05}\mu_{61} - 2\mu_{20}\mu_{11}\mu_{04}\mu_{41}\mu_{34} + 2\mu_{20}\mu_{11}\mu_{04}\mu_{32}\mu_{43} \\
& +2\mu_{20}\mu_{11}\mu_{04}\mu_{23}\mu_{52} - 2\mu_{20}\mu_{11}\mu_{04}\mu_{14}\mu_{61} + \mu_{20}\mu_{02}\mu_{40}\mu_{41}\mu_{07} \\
& -2\mu_{20}\mu_{02}\mu_{40}\mu_{32}\mu_{16} + 2\mu_{20}\mu_{02}\mu_{40}\mu_{23}\mu_{25} - 2\mu_{20}\mu_{02}\mu_{40}\mu_{14}\mu_{34} \\
& +\mu_{20}\mu_{02}\mu_{40}\mu_{05}\mu_{43} - \mu_{20}\mu_{02}\mu_{31}\mu_{50}\mu_{07} - \mu_{20}\mu_{02}\mu_{31}\mu_{41}\mu_{16} \\
& +4\mu_{20}\mu_{02}\mu_{31}\mu_{32}\mu_{25} - 4\mu_{20}\mu_{02}\mu_{31}\mu_{23}\mu_{34} + 5\mu_{20}\mu_{02}\mu_{31}\mu_{14}\mu_{43} \\
& -3\mu_{20}\mu_{02}\mu_{31}\mu_{05}\mu_{52} + 3\mu_{20}\mu_{02}\mu_{22}\mu_{50}\mu_{16} - 3\mu_{20}\mu_{02}\mu_{22}\mu_{41}\mu_{25} \\
& -3\mu_{20}\mu_{02}\mu_{22}\mu_{14}\mu_{52} + 3\mu_{20}\mu_{02}\mu_{22}\mu_{05}\mu_{61} - 3\mu_{20}\mu_{02}\mu_{13}\mu_{50}\mu_{25} \\
& +5\mu_{20}\mu_{02}\mu_{13}\mu_{41}\mu_{34} - 4\mu_{20}\mu_{02}\mu_{13}\mu_{32}\mu_{43} + 4\mu_{20}\mu_{02}\mu_{13}\mu_{23}\mu_{52} \\
& -\mu_{20}\mu_{02}\mu_{13}\mu_{14}\mu_{61} - \mu_{20}\mu_{02}\mu_{13}\mu_{05}\mu_{70} + \mu_{20}\mu_{02}\mu_{04}\mu_{50}\mu_{34} \\
& -2\mu_{20}\mu_{02}\mu_{04}\mu_{41}\mu_{43} + 2\mu_{20}\mu_{02}\mu_{04}\mu_{32}\mu_{52} - 2\mu_{20}\mu_{02}\mu_{04}\mu_{23}\mu_{61} \\
& +\mu_{20}\mu_{02}\mu_{04}\mu_{14}\mu_{70} + 4\mu_{11}^2\mu_{40}\mu_{32}\mu_{16} - 8\mu_{11}^2\mu_{40}\mu_{23}\mu_{25} \\
& +4\mu_{11}^2\mu_{40}\mu_{14}\mu_{34} - 4\mu_{11}^2\mu_{31}\mu_{41}\mu_{16} - 4\mu_{11}^2\mu_{31}\mu_{32}\mu_{25} + 20\mu_{11}^2\mu_{31}\mu_{23}\mu_{34} \\
& -12\mu_{11}^2\mu_{31}\mu_{14}\mu_{43} + 12\mu_{11}^2\mu_{22}\mu_{41}\mu_{25} - 12\mu_{11}^2\mu_{22}\mu_{32}\mu_{34} - 12\mu_{11}^2\mu_{22}\mu_{23}\mu_{43} \\
& +12\mu_{11}^2\mu_{22}\mu_{14}\mu_{52} - 12\mu_{11}^2\mu_{13}\mu_{41}\mu_{34} + 20\mu_{11}^2\mu_{13}\mu_{32}\mu_{43} - 4\mu_{11}^2\mu_{13}\mu_{23}\mu_{52} \\
& -4\mu_{11}^2\mu_{13}\mu_{14}\mu_{61} + 4\mu_{11}^2\mu_{04}\mu_{41}\mu_{43} - 8\mu_{11}^2\mu_{04}\mu_{32}\mu_{52} + 4\mu_{11}^2\mu_{04}\mu_{23}\mu_{61} \\
& -2\mu_{11}\mu_{02}\mu_{40}\mu_{41}\mu_{16} + 2\mu_{11}\mu_{02}\mu_{40}\mu_{32}\mu_{25} + 2\mu_{11}\mu_{02}\mu_{40}\mu_{23}\mu_{34} \\
& -2\mu_{11}\mu_{02}\mu_{40}\mu_{14}\mu_{43} + 2\mu_{11}\mu_{02}\mu_{31}\mu_{50}\mu_{16} + 4\mu_{11}\mu_{02}\mu_{31}\mu_{41}\mu_{25} \\
& -8\mu_{11}\mu_{02}\mu_{31}\mu_{32}\mu_{34} - 4\mu_{11}\mu_{02}\mu_{31}\mu_{23}\mu_{43} + 6\mu_{11}\mu_{02}\mu_{31}\mu_{14}\mu_{52} \\
& -6\mu_{11}\mu_{02}\mu_{22}\mu_{50}\mu_{25} + 12\mu_{11}\mu_{02}\mu_{22}\mu_{32}\mu_{43} - 6\mu_{11}\mu_{02}\mu_{22}\mu_{14}\mu_{61} \\
& +6\mu_{11}\mu_{02}\mu_{13}\mu_{50}\mu_{34} - 4\mu_{11}\mu_{02}\mu_{13}\mu_{41}\mu_{43} - 8\mu_{11}\mu_{02}\mu_{13}\mu_{32}\mu_{52} \\
& +4\mu_{11}\mu_{02}\mu_{13}\mu_{23}\mu_{61} + 2\mu_{11}\mu_{02}\mu_{13}\mu_{14}\mu_{70} - 2\mu_{11}\mu_{02}\mu_{04}\mu_{50}\mu_{43} \\
& +2\mu_{11}\mu_{02}\mu_{04}\mu_{41}\mu_{52} + 2\mu_{11}\mu_{02}\mu_{04}\mu_{32}\mu_{61} - 2\mu_{11}\mu_{02}\mu_{04}\mu_{23}\mu_{70} \\
& +\mu_{02}^2\mu_{40}\mu_{41}\mu_{25} - 2\mu_{02}^2\mu_{40}\mu_{32}\mu_{34} + \mu_{02}^2\mu_{40}\mu_{23}\mu_{43} - \mu_{02}^2\mu_{31}\mu_{50}\mu_{25} \\
& -\mu_{02}^2\mu_{31}\mu_{41}\mu_{34} + 5\mu_{02}^2\mu_{31}\mu_{32}\mu_{43} - 3\mu_{02}^2\mu_{31}\mu_{23}\mu_{52} + 3\mu_{02}^2\mu_{22}\mu_{50}\mu_{34} \\
& -3\mu_{02}^2\mu_{22}\mu_{41}\mu_{43} - 3\mu_{02}^2\mu_{22}\mu_{32}\mu_{52} + 3\mu_{02}^2\mu_{22}\mu_{23}\mu_{61} - 3\mu_{02}^2\mu_{13}\mu_{50}\mu_{43} \\
& +5\mu_{02}^2\mu_{13}\mu_{41}\mu_{52} - \mu_{02}^2\mu_{13}\mu_{32}\mu_{61} - \mu_{02}^2\mu_{13}\mu_{23}\mu_{70} + \mu_{02}^2\mu_{04}\mu_{50}\mu_{52} \\
& -2\mu_{02}^2\mu_{04}\mu_{41}\mu_{61} + \mu_{02}^2\mu_{04}\mu_{32}\mu_{70})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 2,0,1,1,0,1

Generating graph:

| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 |



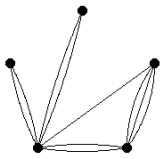
$$
\begin{aligned}
I_{264} \;=\; & (\mu_{20}^2\mu_{40}\mu_{23}\mu_{07} - 2\mu_{20}^2\mu_{40}\mu_{14}\mu_{16} + \mu_{20}^2\mu_{40}\mu_{05}\mu_{25} - 3\mu_{20}^2\mu_{31}\mu_{32}\mu_{07} \\
& +5\mu_{20}^2\mu_{31}\mu_{23}\mu_{16} - \mu_{20}^2\mu_{31}\mu_{14}\mu_{25} - \mu_{20}^2\mu_{31}\mu_{05}\mu_{34} + 3\mu_{20}^2\mu_{22}\mu_{41}\mu_{07} \\
& -3\mu_{20}^2\mu_{22}\mu_{32}\mu_{16} - 3\mu_{20}^2\mu_{22}\mu_{23}\mu_{25} + 3\mu_{20}^2\mu_{22}\mu_{14}\mu_{34} - \mu_{20}^2\mu_{13}\mu_{50}\mu_{07} \\
& -\mu_{20}^2\mu_{13}\mu_{41}\mu_{16} + 5\mu_{20}^2\mu_{13}\mu_{32}\mu_{25} - 3\mu_{20}^2\mu_{13}\mu_{23}\mu_{34} + \mu_{20}^2\mu_{04}\mu_{50}\mu_{16} \\
& -2\mu_{20}^2\mu_{04}\mu_{41}\mu_{25} + \mu_{20}^2\mu_{04}\mu_{32}\mu_{34} - 4\mu_{20}\mu_{11}\mu_{40}\mu_{23}\mu_{16} \\
& +8\mu_{20}\mu_{11}\mu_{40}\mu_{14}\mu_{25} - 4\mu_{20}\mu_{11}\mu_{40}\mu_{05}\mu_{34} + 12\mu_{20}\mu_{11}\mu_{31}\mu_{32}\mu_{16} \\
& -20\mu_{20}\mu_{11}\mu_{31}\mu_{23}\mu_{25} + 4\mu_{20}\mu_{11}\mu_{31}\mu_{14}\mu_{34} + 4\mu_{20}\mu_{11}\mu_{31}\mu_{05}\mu_{43} \\
& -12\mu_{20}\mu_{11}\mu_{22}\mu_{41}\mu_{16} + 12\mu_{20}\mu_{11}\mu_{22}\mu_{32}\mu_{25} + 12\mu_{20}\mu_{11}\mu_{22}\mu_{23}\mu_{34} \\
& -12\mu_{20}\mu_{11}\mu_{22}\mu_{14}\mu_{43} + 4\mu_{20}\mu_{11}\mu_{13}\mu_{50}\mu_{16} + 4\mu_{20}\mu_{11}\mu_{13}\mu_{41}\mu_{25} \\
& -20\mu_{20}\mu_{11}\mu_{13}\mu_{32}\mu_{34} + 12\mu_{20}\mu_{11}\mu_{13}\mu_{23}\mu_{43} - 4\mu_{20}\mu_{11}\mu_{04}\mu_{50}\mu_{25} \\
& +8\mu_{20}\mu_{11}\mu_{04}\mu_{41}\mu_{34} - 4\mu_{20}\mu_{11}\mu_{04}\mu_{32}\mu_{43} + 2\mu_{20}\mu_{02}\mu_{40}\mu_{23}\mu_{25} \\
& -4\mu_{20}\mu_{02}\mu_{40}\mu_{14}\mu_{34} + 2\mu_{20}\mu_{02}\mu_{40}\mu_{05}\mu_{43} - 6\mu_{20}\mu_{02}\mu_{31}\mu_{32}\mu_{25} \\
& +10\mu_{20}\mu_{02}\mu_{31}\mu_{23}\mu_{34} - 2\mu_{20}\mu_{02}\mu_{31}\mu_{14}\mu_{43} - 2\mu_{20}\mu_{02}\mu_{31}\mu_{05}\mu_{52} \\
& +6\mu_{20}\mu_{02}\mu_{22}\mu_{41}\mu_{25} - 6\mu_{20}\mu_{02}\mu_{22}\mu_{32}\mu_{34} - 6\mu_{20}\mu_{02}\mu_{22}\mu_{23}\mu_{43} \\
& +6\mu_{20}\mu_{02}\mu_{22}\mu_{14}\mu_{52} - 2\mu_{20}\mu_{02}\mu_{13}\mu_{50}\mu_{25} - 2\mu_{20}\mu_{02}\mu_{13}\mu_{41}\mu_{34} \\
& +10\mu_{20}\mu_{02}\mu_{13}\mu_{32}\mu_{43} - 6\mu_{20}\mu_{02}\mu_{13}\mu_{23}\mu_{52} + 2\mu_{20}\mu_{02}\mu_{04}\mu_{50}\mu_{34} \\
& -4\mu_{20}\mu_{02}\mu_{04}\mu_{41}\mu_{43} + 2\mu_{20}\mu_{02}\mu_{04}\mu_{32}\mu_{52} + 4\mu_{11}^2\mu_{40}\mu_{23}\mu_{25} \\
& -8\mu_{11}^2\mu_{40}\mu_{14}\mu_{34} + 4\mu_{11}^2\mu_{40}\mu_{05}\mu_{43} - 12\mu_{11}^2\mu_{31}\mu_{32}\mu_{25} + 20\mu_{11}^2\mu_{31}\mu_{23}\mu_{34} \\
& -4\mu_{11}^2\mu_{31}\mu_{14}\mu_{43} - 4\mu_{11}^2\mu_{31}\mu_{05}\mu_{52} + 12\mu_{11}^2\mu_{22}\mu_{41}\mu_{25} - 12\mu_{11}^2\mu_{22}\mu_{32}\mu_{34} \\
& -12\mu_{11}^2\mu_{22}\mu_{23}\mu_{43} + 12\mu_{11}^2\mu_{22}\mu_{14}\mu_{52} - 4\mu_{11}^2\mu_{13}\mu_{50}\mu_{25} - 4\mu_{11}^2\mu_{13}\mu_{41}\mu_{34} \\
& +20\mu_{11}^2\mu_{13}\mu_{32}\mu_{43} - 12\mu_{11}^2\mu_{13}\mu_{23}\mu_{52} + 4\mu_{11}^2\mu_{04}\mu_{50}\mu_{34} - 8\mu_{11}^2\mu_{04}\mu_{41}\mu_{43} \\
& +4\mu_{11}^2\mu_{04}\mu_{32}\mu_{52} - 4\mu_{11}\mu_{02}\mu_{40}\mu_{23}\mu_{34} + 8\mu_{11}\mu_{02}\mu_{40}\mu_{14}\mu_{43} \\
& -4\mu_{11}\mu_{02}\mu_{40}\mu_{05}\mu_{52} + 12\mu_{11}\mu_{02}\mu_{31}\mu_{32}\mu_{34} - 20\mu_{11}\mu_{02}\mu_{31}\mu_{23}\mu_{43} \\
& +4\mu_{11}\mu_{02}\mu_{31}\mu_{14}\mu_{52} + 4\mu_{11}\mu_{02}\mu_{31}\mu_{05}\mu_{61} - 12\mu_{11}\mu_{02}\mu_{22}\mu_{41}\mu_{34} \\
& +12\mu_{11}\mu_{02}\mu_{22}\mu_{32}\mu_{43} + 12\mu_{11}\mu_{02}\mu_{22}\mu_{23}\mu_{52} - 12\mu_{11}\mu_{02}\mu_{22}\mu_{14}\mu_{61} \\
& +4\mu_{11}\mu_{02}\mu_{13}\mu_{50}\mu_{34} + 4\mu_{11}\mu_{02}\mu_{13}\mu_{41}\mu_{43} - 20\mu_{11}\mu_{02}\mu_{13}\mu_{32}\mu_{52} \\
& +12\mu_{11}\mu_{02}\mu_{13}\mu_{23}\mu_{61} - 4\mu_{11}\mu_{02}\mu_{04}\mu_{50}\mu_{43} + 8\mu_{11}\mu_{02}\mu_{04}\mu_{41}\mu_{52} \\
& -4\mu_{11}\mu_{02}\mu_{04}\mu_{32}\mu_{61} + \mu_{02}^2\mu_{40}\mu_{23}\mu_{43} - 2\mu_{02}^2\mu_{40}\mu_{14}\mu_{52} \\
& +\mu_{02}^2\mu_{40}\mu_{05}\mu_{61} - 3\mu_{02}^2\mu_{31}\mu_{32}\mu_{43} + 5\mu_{02}^2\mu_{31}\mu_{23}\mu_{52} - \mu_{02}^2\mu_{31}\mu_{14}\mu_{61} \\
& -\mu_{02}^2\mu_{31}\mu_{05}\mu_{70} + 3\mu_{02}^2\mu_{22}\mu_{41}\mu_{43} - 3\mu_{02}^2\mu_{22}\mu_{32}\mu_{52} - 3\mu_{02}^2\mu_{22}\mu_{23}\mu_{61} \\
& +3\mu_{02}^2\mu_{22}\mu_{14}\mu_{70} - \mu_{02}^2\mu_{13}\mu_{50}\mu_{43} - \mu_{02}^2\mu_{13}\mu_{41}\mu_{52} + 5\mu_{02}^2\mu_{13}\mu_{32}\mu_{61} \\
& -3\mu_{02}^2\mu_{13}\mu_{23}\mu_{70} + \mu_{02}^2\mu_{04}\mu_{50}\mu_{52} - 2\mu_{02}^2\mu_{04}\mu_{41}\mu_{61} + \mu_{02}^2\mu_{04}\mu_{32}\mu_{70})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 2,0,1,1,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 5 |



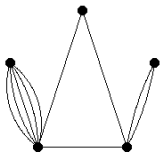
$$
\begin{aligned}
I_{265} \;=\; & (\mu_{20}^2\mu_{13}\mu_{50}\mu_{07} - 5\mu_{20}^2\mu_{13}\mu_{41}\mu_{16} + 10\mu_{20}^2\mu_{13}\mu_{32}\mu_{25} - 10\mu_{20}^2\mu_{13}\mu_{23}\mu_{34} \\
& +5\mu_{20}^2\mu_{13}\mu_{14}\mu_{43} - \mu_{20}^2\mu_{13}\mu_{05}\mu_{52} - \mu_{20}^2\mu_{04}\mu_{50}\mu_{16} + 5\mu_{20}^2\mu_{04}\mu_{41}\mu_{25} \\
& -10\mu_{20}^2\mu_{04}\mu_{32}\mu_{34} + 10\mu_{20}^2\mu_{04}\mu_{23}\mu_{43} - 5\mu_{20}^2\mu_{04}\mu_{14}\mu_{52} + \mu_{20}^2\mu_{04}\mu_{05}\mu_{61} \\
& -3\mu_{20}\mu_{11}\mu_{22}\mu_{50}\mu_{07} + 15\mu_{20}\mu_{11}\mu_{22}\mu_{41}\mu_{16} - 30\mu_{20}\mu_{11}\mu_{22}\mu_{32}\mu_{25} \\
& +30\mu_{20}\mu_{11}\mu_{22}\mu_{23}\mu_{34} - 15\mu_{20}\mu_{11}\mu_{22}\mu_{14}\mu_{43} + 3\mu_{20}\mu_{11}\mu_{22}\mu_{05}\mu_{52} \\
& +2\mu_{20}\mu_{11}\mu_{13}\mu_{50}\mu_{16} - 10\mu_{20}\mu_{11}\mu_{13}\mu_{41}\mu_{25} + 20\mu_{20}\mu_{11}\mu_{13}\mu_{32}\mu_{34} \\
& -20\mu_{20}\mu_{11}\mu_{13}\mu_{23}\mu_{43} + 10\mu_{20}\mu_{11}\mu_{13}\mu_{14}\mu_{52} - 2\mu_{20}\mu_{11}\mu_{13}\mu_{05}\mu_{61} \\
& +\mu_{20}\mu_{11}\mu_{04}\mu_{50}\mu_{25} - 5\mu_{20}\mu_{11}\mu_{04}\mu_{41}\mu_{34} + 10\mu_{20}\mu_{11}\mu_{04}\mu_{32}\mu_{43} \\
& -10\mu_{20}\mu_{11}\mu_{04}\mu_{23}\mu_{52} + 5\mu_{20}\mu_{11}\mu_{04}\mu_{14}\mu_{61} - \mu_{20}\mu_{11}\mu_{04}\mu_{05}\mu_{70} \\
& +\mu_{20}\mu_{02}\mu_{31}\mu_{50}\mu_{07} - 5\mu_{20}\mu_{02}\mu_{31}\mu_{41}\mu_{16} + 10\mu_{20}\mu_{02}\mu_{31}\mu_{32}\mu_{25} \\
& -10\mu_{20}\mu_{02}\mu_{31}\mu_{23}\mu_{34} + 5\mu_{20}\mu_{02}\mu_{31}\mu_{14}\mu_{43} - \mu_{20}\mu_{02}\mu_{31}\mu_{05}\mu_{52} \\
& -\mu_{20}\mu_{02}\mu_{13}\mu_{50}\mu_{25} + 5\mu_{20}\mu_{02}\mu_{13}\mu_{41}\mu_{34} - 10\mu_{20}\mu_{02}\mu_{13}\mu_{32}\mu_{43} \\
& +10\mu_{20}\mu_{02}\mu_{13}\mu_{23}\mu_{52} - 5\mu_{20}\mu_{02}\mu_{13}\mu_{14}\mu_{61} + \mu_{20}\mu_{02}\mu_{13}\mu_{05}\mu_{70} \\
& +2\mu_{11}^2\mu_{31}\mu_{50}\mu_{07} - 10\mu_{11}^2\mu_{31}\mu_{41}\mu_{16} + 20\mu_{11}^2\mu_{31}\mu_{32}\mu_{25} - 20\mu_{11}^2\mu_{31}\mu_{23}\mu_{34} \\
& +10\mu_{11}^2\mu_{31}\mu_{14}\mu_{43} - 2\mu_{11}^2\mu_{31}\mu_{05}\mu_{52} - 2\mu_{11}^2\mu_{13}\mu_{50}\mu_{25} + 10\mu_{11}^2\mu_{13}\mu_{41}\mu_{34} \\
& -20\mu_{11}^2\mu_{13}\mu_{32}\mu_{43} + 20\mu_{11}^2\mu_{13}\mu_{23}\mu_{52} - 10\mu_{11}^2\mu_{13}\mu_{14}\mu_{61} + 2\mu_{11}^2\mu_{13}\mu_{05}\mu_{70} \\
& -\mu_{11}\mu_{02}\mu_{40}\mu_{50}\mu_{07} + 5\mu_{11}\mu_{02}\mu_{40}\mu_{41}\mu_{16} - 10\mu_{11}\mu_{02}\mu_{40}\mu_{32}\mu_{25} \\
& +10\mu_{11}\mu_{02}\mu_{40}\mu_{23}\mu_{34} - 5\mu_{11}\mu_{02}\mu_{40}\mu_{14}\mu_{43} + \mu_{11}\mu_{02}\mu_{40}\mu_{05}\mu_{52} \\
& -2\mu_{11}\mu_{02}\mu_{31}\mu_{50}\mu_{16} + 10\mu_{11}\mu_{02}\mu_{31}\mu_{41}\mu_{25} - 20\mu_{11}\mu_{02}\mu_{31}\mu_{32}\mu_{34} \\
& +20\mu_{11}\mu_{02}\mu_{31}\mu_{23}\mu_{43} - 10\mu_{11}\mu_{02}\mu_{31}\mu_{14}\mu_{52} + 2\mu_{11}\mu_{02}\mu_{31}\mu_{05}\mu_{61} \\
& +3\mu_{11}\mu_{02}\mu_{22}\mu_{50}\mu_{25} - 15\mu_{11}\mu_{02}\mu_{22}\mu_{41}\mu_{34} + 30\mu_{11}\mu_{02}\mu_{22}\mu_{32}\mu_{43} \\
& -30\mu_{11}\mu_{02}\mu_{22}\mu_{23}\mu_{52} + 15\mu_{11}\mu_{02}\mu_{22}\mu_{14}\mu_{61} - 3\mu_{11}\mu_{02}\mu_{22}\mu_{05}\mu_{70} \\
& +\mu_{02}^2\mu_{40}\mu_{50}\mu_{16} - 5\mu_{02}^2\mu_{40}\mu_{41}\mu_{25} + 10\mu_{02}^2\mu_{40}\mu_{32}\mu_{34} - 10\mu_{02}^2\mu_{40}\mu_{23}\mu_{43} \\
& +5\mu_{02}^2\mu_{40}\mu_{14}\mu_{52} - \mu_{02}^2\mu_{40}\mu_{05}\mu_{61} - \mu_{02}^2\mu_{31}\mu_{50}\mu_{25} + 5\mu_{02}^2\mu_{31}\mu_{41}\mu_{34} \\
& -10\mu_{02}^2\mu_{31}\mu_{32}\mu_{43} + 10\mu_{02}^2\mu_{31}\mu_{23}\mu_{52} - 5\mu_{02}^2\mu_{31}\mu_{14}\mu_{61} + \mu_{02}^2\mu_{31}\mu_{05}\mu_{70})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 2,0,1,1,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5 |



**Simultaneous invariants of the orders 2, 3, 6 and 7**

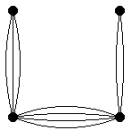
$$
\begin{aligned}
I_{266} \;=\; & (-\mu_{20}\mu_{30}\mu_{42}\mu_{07} + 4\mu_{20}\mu_{30}\mu_{33}\mu_{16} - 6\mu_{20}\mu_{30}\mu_{24}\mu_{25} + 4\mu_{20}\mu_{30}\mu_{15}\mu_{34} \\
& -\mu_{20}\mu_{30}\mu_{06}\mu_{43} + 3\mu_{20}\mu_{21}\mu_{42}\mu_{16} - 12\mu_{20}\mu_{21}\mu_{33}\mu_{25} + 18\mu_{20}\mu_{21}\mu_{24}\mu_{34} \\
& -12\mu_{20}\mu_{21}\mu_{15}\mu_{43} + 3\mu_{20}\mu_{21}\mu_{06}\mu_{52} - 3\mu_{20}\mu_{12}\mu_{42}\mu_{25} + 12\mu_{20}\mu_{12}\mu_{33}\mu_{34} \\
& -18\mu_{20}\mu_{12}\mu_{24}\mu_{43} + 12\mu_{20}\mu_{12}\mu_{15}\mu_{52} - 3\mu_{20}\mu_{12}\mu_{06}\mu_{61} + \mu_{20}\mu_{03}\mu_{42}\mu_{34} \\
& -4\mu_{20}\mu_{03}\mu_{33}\mu_{43} + 6\mu_{20}\mu_{03}\mu_{24}\mu_{52} - 4\mu_{20}\mu_{03}\mu_{15}\mu_{61} + \mu_{20}\mu_{03}\mu_{06}\mu_{70} \\
& +2\mu_{11}\mu_{30}\mu_{51}\mu_{07} - 8\mu_{11}\mu_{30}\mu_{42}\mu_{16} + 12\mu_{11}\mu_{30}\mu_{33}\mu_{25} - 8\mu_{11}\mu_{30}\mu_{24}\mu_{34} \\
& +2\mu_{11}\mu_{30}\mu_{15}\mu_{43} - 6\mu_{11}\mu_{21}\mu_{51}\mu_{16} + 24\mu_{11}\mu_{21}\mu_{42}\mu_{25} - 36\mu_{11}\mu_{21}\mu_{33}\mu_{34} \\
& +24\mu_{11}\mu_{21}\mu_{24}\mu_{43} - 6\mu_{11}\mu_{21}\mu_{15}\mu_{52} + 6\mu_{11}\mu_{12}\mu_{51}\mu_{25} - 24\mu_{11}\mu_{12}\mu_{42}\mu_{34} \\
& +36\mu_{11}\mu_{12}\mu_{33}\mu_{43} - 24\mu_{11}\mu_{12}\mu_{24}\mu_{52} + 6\mu_{11}\mu_{12}\mu_{15}\mu_{61} - 2\mu_{11}\mu_{03}\mu_{51}\mu_{34} \\
& +8\mu_{11}\mu_{03}\mu_{42}\mu_{43} - 12\mu_{11}\mu_{03}\mu_{33}\mu_{52} + 8\mu_{11}\mu_{03}\mu_{24}\mu_{61} - 2\mu_{11}\mu_{03}\mu_{15}\mu_{70} \\
& -\mu_{02}\mu_{30}\mu_{60}\mu_{07} + 4\mu_{02}\mu_{30}\mu_{51}\mu_{16} - 6\mu_{02}\mu_{30}\mu_{42}\mu_{25} + 4\mu_{02}\mu_{30}\mu_{33}\mu_{34} \\
& -\mu_{02}\mu_{30}\mu_{24}\mu_{43} + 3\mu_{02}\mu_{21}\mu_{60}\mu_{16} - 12\mu_{02}\mu_{21}\mu_{51}\mu_{25} + 18\mu_{02}\mu_{21}\mu_{42}\mu_{34} \\
& -12\mu_{02}\mu_{21}\mu_{33}\mu_{43} + 3\mu_{02}\mu_{21}\mu_{24}\mu_{52} - 3\mu_{02}\mu_{12}\mu_{60}\mu_{25} + 12\mu_{02}\mu_{12}\mu_{51}\mu_{34} \\
& -18\mu_{02}\mu_{12}\mu_{42}\mu_{43} + 12\mu_{02}\mu_{12}\mu_{33}\mu_{52} - 3\mu_{02}\mu_{12}\mu_{24}\mu_{61} + \mu_{02}\mu_{03}\mu_{60}\mu_{34} \\
& -4\mu_{02}\mu_{03}\mu_{51}\mu_{43} + 6\mu_{02}\mu_{03}\mu_{42}\mu_{52} - 4\mu_{02}\mu_{03}\mu_{33}\mu_{61} + \mu_{02}\mu_{03}\mu_{24}\mu_{70})/\mu_{00}^{13}
\end{aligned}
$$

weight=9

structure: 1,1,0,0,1,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 |



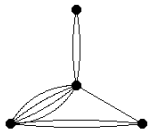
$$
\begin{aligned}
I_{267} \;=\; & (-\mu_{20}\mu_{30}\mu_{42}\mu_{07} + 4\mu_{20}\mu_{30}\mu_{33}\mu_{16} - 6\mu_{20}\mu_{30}\mu_{24}\mu_{25} + 4\mu_{20}\mu_{30}\mu_{15}\mu_{34} \\
& -\mu_{20}\mu_{30}\mu_{06}\mu_{43} + 2\mu_{20}\mu_{21}\mu_{51}\mu_{07} - 7\mu_{20}\mu_{21}\mu_{42}\mu_{16} + 8\mu_{20}\mu_{21}\mu_{33}\mu_{25} \\
& -2\mu_{20}\mu_{21}\mu_{24}\mu_{34} - 2\mu_{20}\mu_{21}\mu_{15}\mu_{43} + \mu_{20}\mu_{21}\mu_{06}\mu_{52} - \mu_{20}\mu_{12}\mu_{60}\mu_{07} \\
& +2\mu_{20}\mu_{12}\mu_{51}\mu_{16} + 2\mu_{20}\mu_{12}\mu_{42}\mu_{25} - 8\mu_{20}\mu_{12}\mu_{33}\mu_{34} + 7\mu_{20}\mu_{12}\mu_{24}\mu_{43} \\
& -2\mu_{20}\mu_{12}\mu_{15}\mu_{52} + \mu_{20}\mu_{03}\mu_{60}\mu_{16} - 4\mu_{20}\mu_{03}\mu_{51}\mu_{25} + 6\mu_{20}\mu_{03}\mu_{42}\mu_{34} \\
& -4\mu_{20}\mu_{03}\mu_{33}\mu_{43} + \mu_{20}\mu_{03}\mu_{24}\mu_{52} + 2\mu_{11}\mu_{30}\mu_{42}\mu_{16} - 8\mu_{11}\mu_{30}\mu_{33}\mu_{25} \\
& +12\mu_{11}\mu_{30}\mu_{24}\mu_{34} - 8\mu_{11}\mu_{30}\mu_{15}\mu_{43} + 2\mu_{11}\mu_{30}\mu_{06}\mu_{52} - 4\mu_{11}\mu_{21}\mu_{51}\mu_{16} \\
& +14\mu_{11}\mu_{21}\mu_{42}\mu_{25} - 16\mu_{11}\mu_{21}\mu_{33}\mu_{34} + 4\mu_{11}\mu_{21}\mu_{24}\mu_{43} + 4\mu_{11}\mu_{21}\mu_{15}\mu_{52} \\
& -2\mu_{11}\mu_{21}\mu_{06}\mu_{61} + 2\mu_{11}\mu_{12}\mu_{60}\mu_{16} - 4\mu_{11}\mu_{12}\mu_{51}\mu_{25} - 4\mu_{11}\mu_{12}\mu_{42}\mu_{34} \\
& +16\mu_{11}\mu_{12}\mu_{33}\mu_{43} - 14\mu_{11}\mu_{12}\mu_{24}\mu_{52} + 4\mu_{11}\mu_{12}\mu_{15}\mu_{61} - 2\mu_{11}\mu_{03}\mu_{60}\mu_{25} \\
& +8\mu_{11}\mu_{03}\mu_{51}\mu_{34} - 12\mu_{11}\mu_{03}\mu_{42}\mu_{43} + 8\mu_{11}\mu_{03}\mu_{33}\mu_{52} - 2\mu_{11}\mu_{03}\mu_{24}\mu_{61} \\
& -\mu_{02}\mu_{30}\mu_{42}\mu_{25} + 4\mu_{02}\mu_{30}\mu_{33}\mu_{34} - 6\mu_{02}\mu_{30}\mu_{24}\mu_{43} + 4\mu_{02}\mu_{30}\mu_{15}\mu_{52} \\
& -\mu_{02}\mu_{30}\mu_{06}\mu_{61} + 2\mu_{02}\mu_{21}\mu_{51}\mu_{25} - 7\mu_{02}\mu_{21}\mu_{42}\mu_{34} + 8\mu_{02}\mu_{21}\mu_{33}\mu_{43} \\
& -2\mu_{02}\mu_{21}\mu_{24}\mu_{52} - 2\mu_{02}\mu_{21}\mu_{15}\mu_{61} + \mu_{02}\mu_{21}\mu_{06}\mu_{70} - \mu_{02}\mu_{12}\mu_{60}\mu_{25} \\
& +2\mu_{02}\mu_{12}\mu_{51}\mu_{34} + 2\mu_{02}\mu_{12}\mu_{42}\mu_{43} - 8\mu_{02}\mu_{12}\mu_{33}\mu_{52} + 7\mu_{02}\mu_{12}\mu_{24}\mu_{61} \\
& -2\mu_{02}\mu_{12}\mu_{15}\mu_{70} + \mu_{02}\mu_{03}\mu_{60}\mu_{34} - 4\mu_{02}\mu_{03}\mu_{51}\mu_{43} + 6\mu_{02}\mu_{03}\mu_{42}\mu_{52} \\
& -4\mu_{02}\mu_{03}\mu_{33}\mu_{61} + \mu_{02}\mu_{03}\mu_{24}\mu_{70})/\mu_{00}^{13}
\end{aligned}
$$

weight=9

structure: 1,1,0,0,1,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 4 |

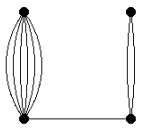


$$
\begin{aligned}
I_{268} \;=\; & (-\mu_{20}\mu_{12}\mu_{60}\mu_{07} + 6\mu_{20}\mu_{12}\mu_{51}\mu_{16} - 15\mu_{20}\mu_{12}\mu_{42}\mu_{25} + 20\mu_{20}\mu_{12}\mu_{33}\mu_{34} \\
& -15\mu_{20}\mu_{12}\mu_{24}\mu_{43} + 6\mu_{20}\mu_{12}\mu_{15}\mu_{52} - \mu_{20}\mu_{12}\mu_{06}\mu_{61} + \mu_{20}\mu_{03}\mu_{60}\mu_{16} \\
& -6\mu_{20}\mu_{03}\mu_{51}\mu_{25} + 15\mu_{20}\mu_{03}\mu_{42}\mu_{34} - 20\mu_{20}\mu_{03}\mu_{33}\mu_{43} + 15\mu_{20}\mu_{03}\mu_{24}\mu_{52} \\
& -6\mu_{20}\mu_{03}\mu_{15}\mu_{61} + \mu_{20}\mu_{03}\mu_{06}\mu_{70} + 2\mu_{11}\mu_{21}\mu_{60}\mu_{07} - 12\mu_{11}\mu_{21}\mu_{51}\mu_{16} \\
& +30\mu_{11}\mu_{21}\mu_{42}\mu_{25} - 40\mu_{11}\mu_{21}\mu_{33}\mu_{34} + 30\mu_{11}\mu_{21}\mu_{24}\mu_{43} - 12\mu_{11}\mu_{21}\mu_{15}\mu_{52} \\
& +2\mu_{11}\mu_{21}\mu_{06}\mu_{61} - 2\mu_{11}\mu_{12}\mu_{60}\mu_{16} + 12\mu_{11}\mu_{12}\mu_{51}\mu_{25} - 30\mu_{11}\mu_{12}\mu_{42}\mu_{34} \\
& +40\mu_{11}\mu_{12}\mu_{33}\mu_{43} - 30\mu_{11}\mu_{12}\mu_{24}\mu_{52} + 12\mu_{11}\mu_{12}\mu_{15}\mu_{61} - 2\mu_{11}\mu_{12}\mu_{06}\mu_{70} \\
& -\mu_{02}\mu_{30}\mu_{60}\mu_{07} + 6\mu_{02}\mu_{30}\mu_{51}\mu_{16} - 15\mu_{02}\mu_{30}\mu_{42}\mu_{25} + 20\mu_{02}\mu_{30}\mu_{33}\mu_{34} \\
& -15\mu_{02}\mu_{30}\mu_{24}\mu_{43} + 6\mu_{02}\mu_{30}\mu_{15}\mu_{52} - \mu_{02}\mu_{30}\mu_{06}\mu_{61} + \mu_{02}\mu_{21}\mu_{60}\mu_{16} \\
& -6\mu_{02}\mu_{21}\mu_{51}\mu_{25} + 15\mu_{02}\mu_{21}\mu_{42}\mu_{34} - 20\mu_{02}\mu_{21}\mu_{33}\mu_{43} + 15\mu_{02}\mu_{21}\mu_{24}\mu_{52} \\
& -6\mu_{02}\mu_{21}\mu_{15}\mu_{61} + \mu_{02}\mu_{21}\mu_{06}\mu_{70})/\mu_{00}^{13}
\end{aligned}
$$

weight=9

structure: 1,1,0,0,1,1
Generating graph:

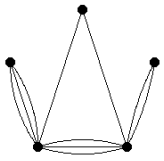
$$\begin{array}{cccccccccc} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 2 & 2 \\ 2 & 3 & 3 & 3 & 3 & 3 & 3 & 4 & 4 \end{array}$$



$$\begin{aligned} I_{269} \;=\; & (\mu_{20}^2\mu_{30}\mu_{33}\mu_{07} - 3\mu_{20}^2\mu_{30}\mu_{24}\mu_{16} + 3\mu_{20}^2\mu_{30}\mu_{15}\mu_{25} - \mu_{20}^2\mu_{30}\mu_{06}\mu_{34} \\ & -3\mu_{20}^2\mu_{21}\mu_{33}\mu_{16} + 9\mu_{20}^2\mu_{21}\mu_{24}\mu_{25} - 9\mu_{20}^2\mu_{21}\mu_{15}\mu_{34} + 3\mu_{20}^2\mu_{21}\mu_{06}\mu_{43} \\ & +3\mu_{20}^2\mu_{12}\mu_{33}\mu_{25} - 9\mu_{20}^2\mu_{12}\mu_{24}\mu_{34} + 9\mu_{20}^2\mu_{12}\mu_{15}\mu_{43} - 3\mu_{20}^2\mu_{12}\mu_{06}\mu_{52} \\ & -\mu_{20}^2\mu_{03}\mu_{33}\mu_{34} + 3\mu_{20}^2\mu_{03}\mu_{24}\mu_{43} - 3\mu_{20}^2\mu_{03}\mu_{15}\mu_{52} + \mu_{20}^2\mu_{03}\mu_{06}\mu_{61} \\ & -3\mu_{20}\mu_{11}\mu_{30}\mu_{42}\mu_{07} + 8\mu_{20}\mu_{11}\mu_{30}\mu_{33}\mu_{16} - 6\mu_{20}\mu_{11}\mu_{30}\mu_{24}\mu_{25} \\ & +\mu_{20}\mu_{11}\mu_{30}\mu_{06}\mu_{43} + 9\mu_{20}\mu_{11}\mu_{21}\mu_{42}\mu_{16} - 24\mu_{20}\mu_{11}\mu_{21}\mu_{33}\mu_{25} \\ & +18\mu_{20}\mu_{11}\mu_{21}\mu_{24}\mu_{34} - 3\mu_{20}\mu_{11}\mu_{21}\mu_{06}\mu_{52} - 9\mu_{20}\mu_{11}\mu_{12}\mu_{42}\mu_{25} \\ & +24\mu_{20}\mu_{11}\mu_{12}\mu_{33}\mu_{34} - 18\mu_{20}\mu_{11}\mu_{12}\mu_{24}\mu_{43} + 3\mu_{20}\mu_{11}\mu_{12}\mu_{06}\mu_{61} \\ & +3\mu_{20}\mu_{11}\mu_{03}\mu_{42}\mu_{34} - 8\mu_{20}\mu_{11}\mu_{03}\mu_{33}\mu_{43} + 6\mu_{20}\mu_{11}\mu_{03}\mu_{24}\mu_{52} \\ & -\mu_{20}\mu_{11}\mu_{03}\mu_{06}\mu_{70} + \mu_{20}\mu_{02}\mu_{30}\mu_{51}\mu_{07} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{42}\mu_{16} \\ & +2\mu_{20}\mu_{02}\mu_{30}\mu_{24}\mu_{34} - \mu_{20}\mu_{02}\mu_{30}\mu_{15}\mu_{43} - 3\mu_{20}\mu_{02}\mu_{21}\mu_{51}\mu_{16} \\ & +6\mu_{20}\mu_{02}\mu_{21}\mu_{42}\mu_{25} - 6\mu_{20}\mu_{02}\mu_{21}\mu_{24}\mu_{43} + 3\mu_{20}\mu_{02}\mu_{21}\mu_{15}\mu_{52} \\ & +3\mu_{20}\mu_{02}\mu_{12}\mu_{51}\mu_{25} - 6\mu_{20}\mu_{02}\mu_{12}\mu_{42}\mu_{34} + 6\mu_{20}\mu_{02}\mu_{12}\mu_{24}\mu_{52} \\ & -3\mu_{20}\mu_{02}\mu_{12}\mu_{15}\mu_{61} - \mu_{20}\mu_{02}\mu_{03}\mu_{51}\mu_{34} + 2\mu_{20}\mu_{02}\mu_{03}\mu_{42}\mu_{43} \\ & -2\mu_{20}\mu_{02}\mu_{03}\mu_{24}\mu_{61} + \mu_{20}\mu_{02}\mu_{03}\mu_{15}\mu_{70} + 2\mu_{11}^2\mu_{30}\mu_{51}\mu_{07} \\ & -4\mu_{11}^2\mu_{30}\mu_{42}\mu_{16} + 4\mu_{11}^2\mu_{30}\mu_{24}\mu_{34} - 2\mu_{11}^2\mu_{30}\mu_{15}\mu_{43} - 6\mu_{11}^2\mu_{21}\mu_{51}\mu_{16} \\ & +12\mu_{11}^2\mu_{21}\mu_{42}\mu_{25} - 12\mu_{11}^2\mu_{21}\mu_{24}\mu_{43} + 6\mu_{11}^2\mu_{21}\mu_{15}\mu_{52} + 6\mu_{11}^2\mu_{12}\mu_{51}\mu_{25} \\ & -12\mu_{11}^2\mu_{12}\mu_{42}\mu_{34} + 12\mu_{11}^2\mu_{12}\mu_{24}\mu_{52} - 6\mu_{11}^2\mu_{12}\mu_{15}\mu_{61} - 2\mu_{11}^2\mu_{03}\mu_{51}\mu_{34} \\ & +4\mu_{11}^2\mu_{03}\mu_{42}\mu_{43} - 4\mu_{11}^2\mu_{03}\mu_{24}\mu_{61} + 2\mu_{11}^2\mu_{03}\mu_{15}\mu_{70} \\ & -\mu_{11}\mu_{02}\mu_{30}\mu_{60}\mu_{07} + 6\mu_{11}\mu_{02}\mu_{30}\mu_{42}\mu_{25} - 8\mu_{11}\mu_{02}\mu_{30}\mu_{33}\mu_{34} \\ & +3\mu_{11}\mu_{02}\mu_{30}\mu_{24}\mu_{43} + 3\mu_{11}\mu_{02}\mu_{21}\mu_{60}\mu_{16} - 18\mu_{11}\mu_{02}\mu_{21}\mu_{42}\mu_{34} \\ & +24\mu_{11}\mu_{02}\mu_{21}\mu_{33}\mu_{43} - 9\mu_{11}\mu_{02}\mu_{21}\mu_{24}\mu_{52} - 3\mu_{11}\mu_{02}\mu_{12}\mu_{60}\mu_{25} \\ & +18\mu_{11}\mu_{02}\mu_{12}\mu_{42}\mu_{43} - 24\mu_{11}\mu_{02}\mu_{12}\mu_{33}\mu_{52} + 9\mu_{11}\mu_{02}\mu_{12}\mu_{24}\mu_{61} \\ & +\mu_{11}\mu_{02}\mu_{03}\mu_{60}\mu_{34} - 6\mu_{11}\mu_{02}\mu_{03}\mu_{42}\mu_{52} + 8\mu_{11}\mu_{02}\mu_{03}\mu_{33}\mu_{61} \\ & -3\mu_{11}\mu_{02}\mu_{03}\mu_{24}\mu_{70} + \mu_{02}^2\mu_{30}\mu_{60}\mu_{16} - 3\mu_{02}^2\mu_{30}\mu_{51}\mu_{25} \\ & +3\mu_{02}^2\mu_{30}\mu_{42}\mu_{34} - \mu_{02}^2\mu_{30}\mu_{33}\mu_{43} - 3\mu_{02}^2\mu_{21}\mu_{60}\mu_{25} + 9\mu_{02}^2\mu_{21}\mu_{51}\mu_{34} \\ & -9\mu_{02}^2\mu_{21}\mu_{42}\mu_{43} + 3\mu_{02}^2\mu_{21}\mu_{33}\mu_{52} + 3\mu_{02}^2\mu_{12}\mu_{60}\mu_{34} - 9\mu_{02}^2\mu_{12}\mu_{51}\mu_{43} \\ & +9\mu_{02}^2\mu_{12}\mu_{42}\mu_{52} - 3\mu_{02}^2\mu_{12}\mu_{33}\mu_{61} - \mu_{02}^2\mu_{03}\mu_{60}\mu_{43} + 3\mu_{02}^2\mu_{03}\mu_{51}\mu_{52} \\ & -3\mu_{02}^2\mu_{03}\mu_{42}\mu_{61} + \mu_{02}^2\mu_{03}\mu_{33}\mu_{70})/\mu_{00}^{15} \end{aligned}$$

weight=10
structure: 2,1,0,0,1,1
Generating graph:

| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 |

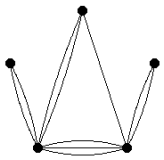


$$
\begin{aligned}
I_{270} \;=\; & (\mu_{20}^2\mu_{30}\mu_{33}\mu_{07} - 3\mu_{20}^2\mu_{30}\mu_{24}\mu_{16} + 3\mu_{20}^2\mu_{30}\mu_{15}\mu_{25} - \mu_{20}^2\mu_{30}\mu_{06}\mu_{34} \\
& -\mu_{20}^2\mu_{21}\mu_{42}\mu_{07} + \mu_{20}^2\mu_{21}\mu_{33}\mu_{16} + 3\mu_{20}^2\mu_{21}\mu_{24}\mu_{25} - 5\mu_{20}^2\mu_{21}\mu_{15}\mu_{34} \\
& +2\mu_{20}^2\mu_{21}\mu_{06}\mu_{43} + 2\mu_{20}^2\mu_{12}\mu_{42}\mu_{16} - 5\mu_{20}^2\mu_{12}\mu_{33}\mu_{25} + 3\mu_{20}^2\mu_{12}\mu_{24}\mu_{34} \\
& +\mu_{20}^2\mu_{12}\mu_{15}\mu_{43} - \mu_{20}^2\mu_{12}\mu_{06}\mu_{52} - \mu_{20}^2\mu_{03}\mu_{42}\mu_{25} + 3\mu_{20}^2\mu_{03}\mu_{33}\mu_{34} \\
& -3\mu_{20}^2\mu_{03}\mu_{24}\mu_{43} + \mu_{20}^2\mu_{03}\mu_{15}\mu_{52} - 2\mu_{20}\mu_{11}\mu_{30}\mu_{42}\mu_{07} \\
& +4\mu_{20}\mu_{11}\mu_{30}\mu_{33}\mu_{16} - 4\mu_{20}\mu_{11}\mu_{30}\mu_{15}\mu_{34} + 2\mu_{20}\mu_{11}\mu_{30}\mu_{06}\mu_{43} \\
& +2\mu_{20}\mu_{11}\mu_{21}\mu_{51}\mu_{07} - 8\mu_{20}\mu_{11}\mu_{21}\mu_{33}\mu_{25} + 4\mu_{20}\mu_{11}\mu_{21}\mu_{24}\mu_{34} \\
& +6\mu_{20}\mu_{11}\mu_{21}\mu_{15}\mu_{43} - 4\mu_{20}\mu_{11}\mu_{21}\mu_{06}\mu_{52} - 4\mu_{20}\mu_{11}\mu_{12}\mu_{51}\mu_{16} \\
& +6\mu_{20}\mu_{11}\mu_{12}\mu_{42}\mu_{25} + 4\mu_{20}\mu_{11}\mu_{12}\mu_{33}\mu_{34} - 8\mu_{20}\mu_{11}\mu_{12}\mu_{24}\mu_{43} \\
& +2\mu_{20}\mu_{11}\mu_{12}\mu_{06}\mu_{61} + 2\mu_{20}\mu_{11}\mu_{03}\mu_{51}\mu_{25} - 4\mu_{20}\mu_{11}\mu_{03}\mu_{42}\mu_{34} \\
& +4\mu_{20}\mu_{11}\mu_{03}\mu_{24}\mu_{52} - 2\mu_{20}\mu_{11}\mu_{03}\mu_{15}\mu_{61} + \mu_{20}\mu_{02}\mu_{30}\mu_{51}\mu_{07} \\
& -3\mu_{20}\mu_{02}\mu_{30}\mu_{42}\mu_{16} + 4\mu_{20}\mu_{02}\mu_{30}\mu_{33}\mu_{25} - 4\mu_{20}\mu_{02}\mu_{30}\mu_{24}\mu_{34} \\
& +3\mu_{20}\mu_{02}\mu_{30}\mu_{15}\mu_{43} - \mu_{20}\mu_{02}\mu_{30}\mu_{06}\mu_{52} - \mu_{20}\mu_{02}\mu_{21}\mu_{60}\mu_{07} \\
& +\mu_{20}\mu_{02}\mu_{21}\mu_{51}\mu_{16} + 2\mu_{20}\mu_{02}\mu_{21}\mu_{42}\mu_{25} - 4\mu_{20}\mu_{02}\mu_{21}\mu_{33}\mu_{34} \\
& +5\mu_{20}\mu_{02}\mu_{21}\mu_{24}\mu_{43} - 5\mu_{20}\mu_{02}\mu_{21}\mu_{15}\mu_{52} + 2\mu_{20}\mu_{02}\mu_{21}\mu_{06}\mu_{61} \\
& +2\mu_{20}\mu_{02}\mu_{12}\mu_{60}\mu_{16} - 5\mu_{20}\mu_{02}\mu_{12}\mu_{51}\mu_{25} + 5\mu_{20}\mu_{02}\mu_{12}\mu_{42}\mu_{34} \\
& -4\mu_{20}\mu_{02}\mu_{12}\mu_{33}\mu_{43} + 2\mu_{20}\mu_{02}\mu_{12}\mu_{24}\mu_{52} + \mu_{20}\mu_{02}\mu_{12}\mu_{15}\mu_{61} \\
& -\mu_{20}\mu_{02}\mu_{12}\mu_{06}\mu_{70} - \mu_{20}\mu_{02}\mu_{03}\mu_{60}\mu_{25} + 3\mu_{20}\mu_{02}\mu_{03}\mu_{51}\mu_{34} \\
& -4\mu_{20}\mu_{02}\mu_{03}\mu_{42}\mu_{43} + 4\mu_{20}\mu_{02}\mu_{03}\mu_{33}\mu_{52} - 3\mu_{20}\mu_{02}\mu_{03}\mu_{24}\mu_{61} \\
& +\mu_{20}\mu_{02}\mu_{03}\mu_{15}\mu_{70} + 4\mu_{11}^2\mu_{30}\mu_{42}\mu_{16} - 12\mu_{11}^2\mu_{30}\mu_{33}\mu_{25} \\
& +12\mu_{11}^2\mu_{30}\mu_{24}\mu_{34} - 4\mu_{11}^2\mu_{30}\mu_{15}\mu_{43} - 4\mu_{11}^2\mu_{21}\mu_{51}\mu_{16} + 4\mu_{11}^2\mu_{21}\mu_{42}\mu_{25} \\
& +12\mu_{11}^2\mu_{21}\mu_{33}\mu_{34} - 20\mu_{11}^2\mu_{21}\mu_{24}\mu_{43} + 8\mu_{11}^2\mu_{21}\mu_{15}\mu_{52} + 8\mu_{11}^2\mu_{12}\mu_{51}\mu_{25} \\
& -20\mu_{11}^2\mu_{12}\mu_{42}\mu_{34} + 12\mu_{11}^2\mu_{12}\mu_{33}\mu_{43} + 4\mu_{11}^2\mu_{12}\mu_{24}\mu_{52} - 4\mu_{11}^2\mu_{12}\mu_{15}\mu_{61} \\
& -4\mu_{11}^2\mu_{03}\mu_{51}\mu_{34} + 12\mu_{11}^2\mu_{03}\mu_{42}\mu_{43} - 12\mu_{11}^2\mu_{03}\mu_{33}\mu_{52} + 4\mu_{11}^2\mu_{03}\mu_{24}\mu_{61} \\
& -2\mu_{11}\mu_{02}\mu_{30}\mu_{51}\mu_{16} + 4\mu_{11}\mu_{02}\mu_{30}\mu_{42}\mu_{25} - 4\mu_{11}\mu_{02}\mu_{30}\mu_{24}\mu_{43} \\
& +2\mu_{11}\mu_{02}\mu_{30}\mu_{15}\mu_{52} + 2\mu_{11}\mu_{02}\mu_{21}\mu_{60}\mu_{16} - 8\mu_{11}\mu_{02}\mu_{21}\mu_{42}\mu_{34} \\
& +4\mu_{11}\mu_{02}\mu_{21}\mu_{33}\mu_{43} + 6\mu_{11}\mu_{02}\mu_{21}\mu_{24}\mu_{52} - 4\mu_{11}\mu_{02}\mu_{21}\mu_{15}\mu_{61} \\
& -4\mu_{11}\mu_{02}\mu_{12}\mu_{60}\mu_{25} + 6\mu_{11}\mu_{02}\mu_{12}\mu_{51}\mu_{34} + 4\mu_{11}\mu_{02}\mu_{12}\mu_{42}\mu_{43} \\
& -8\mu_{11}\mu_{02}\mu_{12}\mu_{33}\mu_{52} + 2\mu_{11}\mu_{02}\mu_{12}\mu_{15}\mu_{70} + 2\mu_{11}\mu_{02}\mu_{03}\mu_{60}\mu_{34} \\
& -4\mu_{11}\mu_{02}\mu_{03}\mu_{51}\mu_{43} + 4\mu_{11}\mu_{02}\mu_{03}\mu_{33}\mu_{61} - 2\mu_{11}\mu_{02}\mu_{03}\mu_{24}\mu_{70} \\
& +\mu_{02}^2\mu_{30}\mu_{51}\mu_{25} - 3\mu_{02}^2\mu_{30}\mu_{42}\mu_{34} + 3\mu_{02}^2\mu_{30}\mu_{33}\mu_{43} - \mu_{02}^2\mu_{30}\mu_{24}\mu_{52} \\
& -\mu_{02}^2\mu_{21}\mu_{60}\mu_{25} + \mu_{02}^2\mu_{21}\mu_{51}\mu_{34} + 3\mu_{02}^2\mu_{21}\mu_{42}\mu_{43} - 5\mu_{02}^2\mu_{21}\mu_{33}\mu_{52} \\
& +2\mu_{02}^2\mu_{21}\mu_{24}\mu_{61} + 2\mu_{02}^2\mu_{12}\mu_{60}\mu_{34} - 5\mu_{02}^2\mu_{12}\mu_{51}\mu_{43} + 3\mu_{02}^2\mu_{12}\mu_{42}\mu_{52} \\
& +\mu_{02}^2\mu_{12}\mu_{33}\mu_{61} - \mu_{02}^2\mu_{12}\mu_{24}\mu_{70} - \mu_{02}^2\mu_{03}\mu_{60}\mu_{43} + 3\mu_{02}^2\mu_{03}\mu_{51}\mu_{52} \\
& -3\mu_{02}^2\mu_{03}\mu_{42}\mu_{61} + \mu_{02}^2\mu_{03}\mu_{33}\mu_{70})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 2,1,0,0,1,1
Generating graph:

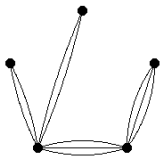
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |



$$
\begin{aligned}
I_{271} \;=\; & (\mu_{20}^2\mu_{30}\mu_{33}\mu_{07} - 3\mu_{20}^2\mu_{30}\mu_{24}\mu_{16} + 3\mu_{20}^2\mu_{30}\mu_{15}\mu_{25} - \mu_{20}^2\mu_{30}\mu_{06}\mu_{34} \\
& -3\mu_{20}^2\mu_{21}\mu_{42}\mu_{07} + 9\mu_{20}^2\mu_{21}\mu_{33}\mu_{16} - 9\mu_{20}^2\mu_{21}\mu_{24}\mu_{25} + 3\mu_{20}^2\mu_{21}\mu_{15}\mu_{34} \\
& +3\mu_{20}^2\mu_{12}\mu_{51}\mu_{07} - 9\mu_{20}^2\mu_{12}\mu_{42}\mu_{16} + 9\mu_{20}^2\mu_{12}\mu_{33}\mu_{25} - 3\mu_{20}^2\mu_{12}\mu_{24}\mu_{34} \\
& -\mu_{20}^2\mu_{03}\mu_{60}\mu_{07} + 3\mu_{20}^2\mu_{03}\mu_{51}\mu_{16} - 3\mu_{20}^2\mu_{03}\mu_{42}\mu_{25} + \mu_{20}^2\mu_{03}\mu_{33}\mu_{34} \\
& -4\mu_{20}\mu_{11}\mu_{30}\mu_{33}\mu_{16} + 12\mu_{20}\mu_{11}\mu_{30}\mu_{24}\mu_{25} - 12\mu_{20}\mu_{11}\mu_{30}\mu_{15}\mu_{34} \\
& +4\mu_{20}\mu_{11}\mu_{30}\mu_{06}\mu_{43} + 12\mu_{20}\mu_{11}\mu_{21}\mu_{42}\mu_{16} - 36\mu_{20}\mu_{11}\mu_{21}\mu_{33}\mu_{25} \\
& +36\mu_{20}\mu_{11}\mu_{21}\mu_{24}\mu_{34} - 12\mu_{20}\mu_{11}\mu_{21}\mu_{15}\mu_{43} - 12\mu_{20}\mu_{11}\mu_{12}\mu_{51}\mu_{16} \\
& +36\mu_{20}\mu_{11}\mu_{12}\mu_{42}\mu_{25} - 36\mu_{20}\mu_{11}\mu_{12}\mu_{33}\mu_{34} + 12\mu_{20}\mu_{11}\mu_{12}\mu_{24}\mu_{43} \\
& +4\mu_{20}\mu_{11}\mu_{03}\mu_{60}\mu_{16} - 12\mu_{20}\mu_{11}\mu_{03}\mu_{51}\mu_{25} + 12\mu_{20}\mu_{11}\mu_{03}\mu_{42}\mu_{34} \\
& -4\mu_{20}\mu_{11}\mu_{03}\mu_{33}\mu_{43} + 2\mu_{20}\mu_{02}\mu_{30}\mu_{33}\mu_{25} - 6\mu_{20}\mu_{02}\mu_{30}\mu_{24}\mu_{34} \\
& +6\mu_{20}\mu_{02}\mu_{30}\mu_{15}\mu_{43} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{06}\mu_{52} - 6\mu_{20}\mu_{02}\mu_{21}\mu_{42}\mu_{25} \\
& +18\mu_{20}\mu_{02}\mu_{21}\mu_{33}\mu_{34} - 18\mu_{20}\mu_{02}\mu_{21}\mu_{24}\mu_{43} + 6\mu_{20}\mu_{02}\mu_{21}\mu_{15}\mu_{52} \\
& +6\mu_{20}\mu_{02}\mu_{12}\mu_{51}\mu_{25} - 18\mu_{20}\mu_{02}\mu_{12}\mu_{42}\mu_{34} + 18\mu_{20}\mu_{02}\mu_{12}\mu_{33}\mu_{43} \\
& -6\mu_{20}\mu_{02}\mu_{12}\mu_{24}\mu_{52} - 2\mu_{20}\mu_{02}\mu_{03}\mu_{60}\mu_{25} + 6\mu_{20}\mu_{02}\mu_{03}\mu_{51}\mu_{34} \\
& -6\mu_{20}\mu_{02}\mu_{03}\mu_{42}\mu_{43} + 2\mu_{20}\mu_{02}\mu_{03}\mu_{33}\mu_{52} + 4\mu_{11}^2\mu_{30}\mu_{33}\mu_{25} \\
& -12\mu_{11}^2\mu_{30}\mu_{24}\mu_{34} + 12\mu_{11}^2\mu_{30}\mu_{15}\mu_{43} - 4\mu_{11}^2\mu_{30}\mu_{06}\mu_{52} - 12\mu_{11}^2\mu_{21}\mu_{42}\mu_{25} \\
& +36\mu_{11}^2\mu_{21}\mu_{33}\mu_{34} - 36\mu_{11}^2\mu_{21}\mu_{24}\mu_{43} + 12\mu_{11}^2\mu_{21}\mu_{15}\mu_{52} + 12\mu_{11}^2\mu_{12}\mu_{51}\mu_{25} \\
& -36\mu_{11}^2\mu_{12}\mu_{42}\mu_{34} + 36\mu_{11}^2\mu_{12}\mu_{33}\mu_{43} - 12\mu_{11}^2\mu_{12}\mu_{24}\mu_{52} - 4\mu_{11}^2\mu_{03}\mu_{60}\mu_{25} \\
& +12\mu_{11}^2\mu_{03}\mu_{51}\mu_{34} - 12\mu_{11}^2\mu_{03}\mu_{42}\mu_{43} + 4\mu_{11}^2\mu_{03}\mu_{33}\mu_{52} \\
& -4\mu_{11}\mu_{02}\mu_{30}\mu_{33}\mu_{34} + 12\mu_{11}\mu_{02}\mu_{30}\mu_{24}\mu_{43} - 12\mu_{11}\mu_{02}\mu_{30}\mu_{15}\mu_{52} \\
& +4\mu_{11}\mu_{02}\mu_{30}\mu_{06}\mu_{61} + 12\mu_{11}\mu_{02}\mu_{21}\mu_{42}\mu_{34} - 36\mu_{11}\mu_{02}\mu_{21}\mu_{33}\mu_{43} \\
& +36\mu_{11}\mu_{02}\mu_{21}\mu_{24}\mu_{52} - 12\mu_{11}\mu_{02}\mu_{21}\mu_{15}\mu_{61} - 12\mu_{11}\mu_{02}\mu_{12}\mu_{51}\mu_{34} \\
& +36\mu_{11}\mu_{02}\mu_{12}\mu_{42}\mu_{43} - 36\mu_{11}\mu_{02}\mu_{12}\mu_{33}\mu_{52} + 12\mu_{11}\mu_{02}\mu_{12}\mu_{24}\mu_{61} \\
& +4\mu_{11}\mu_{02}\mu_{03}\mu_{60}\mu_{34} - 12\mu_{11}\mu_{02}\mu_{03}\mu_{51}\mu_{43} + 12\mu_{11}\mu_{02}\mu_{03}\mu_{42}\mu_{52} \\
& -4\mu_{11}\mu_{02}\mu_{03}\mu_{33}\mu_{61} + \mu_{02}^2\mu_{30}\mu_{33}\mu_{43} - 3\mu_{02}^2\mu_{30}\mu_{24}\mu_{52} \\
& +3\mu_{02}^2\mu_{30}\mu_{15}\mu_{61} - \mu_{02}^2\mu_{30}\mu_{06}\mu_{70} - 3\mu_{02}^2\mu_{21}\mu_{42}\mu_{43} + 9\mu_{02}^2\mu_{21}\mu_{33}\mu_{52} \\
& -9\mu_{02}^2\mu_{21}\mu_{24}\mu_{61} + 3\mu_{02}^2\mu_{21}\mu_{15}\mu_{70} + 3\mu_{02}^2\mu_{12}\mu_{51}\mu_{43} - 9\mu_{02}^2\mu_{12}\mu_{42}\mu_{52} \\
& +9\mu_{02}^2\mu_{12}\mu_{33}\mu_{61} - 3\mu_{02}^2\mu_{12}\mu_{24}\mu_{70} - \mu_{02}^2\mu_{03}\mu_{60}\mu_{43} + 3\mu_{02}^2\mu_{03}\mu_{51}\mu_{52} \\
& -3\mu_{02}^2\mu_{03}\mu_{42}\mu_{61} + \mu_{02}^2\mu_{03}\mu_{33}\mu_{70})/\mu_{00}^{15}
\end{aligned}
$$

weight=10
structure: 2,1,0,0,1,1
Generating graph:

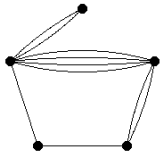
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



$$
\begin{aligned}
I_{272} \;=\; & (-\mu_{20}^2\mu_{21}\mu_{42}\mu_{07} + 4\mu_{20}^2\mu_{21}\mu_{33}\mu_{16} - 6\mu_{20}^2\mu_{21}\mu_{24}\mu_{25} + 4\mu_{20}^2\mu_{21}\mu_{15}\mu_{34} \\
& -\mu_{20}^2\mu_{21}\mu_{06}\mu_{43} + 2\mu_{20}^2\mu_{12}\mu_{51}\mu_{07} - 8\mu_{20}^2\mu_{12}\mu_{42}\mu_{16} + 12\mu_{20}^2\mu_{12}\mu_{33}\mu_{25} \\
& -8\mu_{20}^2\mu_{12}\mu_{24}\mu_{34} + 2\mu_{20}^2\mu_{12}\mu_{15}\mu_{43} - \mu_{20}^2\mu_{03}\mu_{60}\mu_{07} + 4\mu_{20}^2\mu_{03}\mu_{51}\mu_{16} \\
& -6\mu_{20}^2\mu_{03}\mu_{42}\mu_{25} + 4\mu_{20}^2\mu_{03}\mu_{33}\mu_{34} - \mu_{20}^2\mu_{03}\mu_{24}\mu_{43} \\
& +\mu_{20}\mu_{11}\mu_{30}\mu_{42}\mu_{07} - 4\mu_{20}\mu_{11}\mu_{30}\mu_{33}\mu_{16} + 6\mu_{20}\mu_{11}\mu_{30}\mu_{24}\mu_{25} \\
& -4\mu_{20}\mu_{11}\mu_{30}\mu_{15}\mu_{34} + \mu_{20}\mu_{11}\mu_{30}\mu_{06}\mu_{43} - 2\mu_{20}\mu_{11}\mu_{21}\mu_{51}\mu_{07} \\
& +11\mu_{20}\mu_{11}\mu_{21}\mu_{42}\mu_{16} - 24\mu_{20}\mu_{11}\mu_{21}\mu_{33}\mu_{25} + 26\mu_{20}\mu_{11}\mu_{21}\mu_{24}\mu_{34} \\
& -14\mu_{20}\mu_{11}\mu_{21}\mu_{15}\mu_{43} + 3\mu_{20}\mu_{11}\mu_{21}\mu_{06}\mu_{52} + \mu_{20}\mu_{11}\mu_{12}\mu_{60}\mu_{07} \\
& -10\mu_{20}\mu_{11}\mu_{12}\mu_{51}\mu_{16} + 30\mu_{20}\mu_{11}\mu_{12}\mu_{42}\mu_{25} - 40\mu_{20}\mu_{11}\mu_{12}\mu_{33}\mu_{34} \\
& +25\mu_{20}\mu_{11}\mu_{12}\mu_{24}\mu_{43} - 6\mu_{20}\mu_{11}\mu_{12}\mu_{15}\mu_{52} + 3\mu_{20}\mu_{11}\mu_{03}\mu_{60}\mu_{16} \\
& -12\mu_{20}\mu_{11}\mu_{03}\mu_{51}\mu_{25} + 18\mu_{20}\mu_{11}\mu_{03}\mu_{42}\mu_{34} - 12\mu_{20}\mu_{11}\mu_{03}\mu_{33}\mu_{43} \\
& +3\mu_{20}\mu_{11}\mu_{03}\mu_{24}\mu_{52} - \mu_{20}\mu_{02}\mu_{30}\mu_{42}\mu_{16} + 4\mu_{20}\mu_{02}\mu_{30}\mu_{33}\mu_{25} \\
& -6\mu_{20}\mu_{02}\mu_{30}\mu_{24}\mu_{34} + 4\mu_{20}\mu_{02}\mu_{30}\mu_{15}\mu_{43} - \mu_{20}\mu_{02}\mu_{30}\mu_{06}\mu_{52} \\
& +2\mu_{20}\mu_{02}\mu_{21}\mu_{51}\mu_{16} - 9\mu_{20}\mu_{02}\mu_{21}\mu_{42}\mu_{25} + 16\mu_{20}\mu_{02}\mu_{21}\mu_{33}\mu_{34} \\
& -14\mu_{20}\mu_{02}\mu_{21}\mu_{24}\mu_{43} + 6\mu_{20}\mu_{02}\mu_{21}\mu_{15}\mu_{52} - \mu_{20}\mu_{02}\mu_{21}\mu_{06}\mu_{61} \\
& -\mu_{20}\mu_{02}\mu_{12}\mu_{60}\mu_{16} + 6\mu_{20}\mu_{02}\mu_{12}\mu_{51}\mu_{25} - 14\mu_{20}\mu_{02}\mu_{12}\mu_{42}\mu_{34} \\
& +16\mu_{20}\mu_{02}\mu_{12}\mu_{33}\mu_{43} - 9\mu_{20}\mu_{02}\mu_{12}\mu_{24}\mu_{52} + 2\mu_{20}\mu_{02}\mu_{12}\mu_{15}\mu_{61} \\
& -\mu_{20}\mu_{02}\mu_{03}\mu_{60}\mu_{25} + 4\mu_{20}\mu_{02}\mu_{03}\mu_{51}\mu_{34} - 6\mu_{20}\mu_{02}\mu_{03}\mu_{42}\mu_{43} \\
& +4\mu_{20}\mu_{02}\mu_{03}\mu_{33}\mu_{52} - \mu_{20}\mu_{02}\mu_{03}\mu_{24}\mu_{61} - 2\mu_{11}^2\mu_{30}\mu_{42}\mu_{16} \\
& +8\mu_{11}^2\mu_{30}\mu_{33}\mu_{25} - 12\mu_{11}^2\mu_{30}\mu_{24}\mu_{34} + 8\mu_{11}^2\mu_{30}\mu_{15}\mu_{43} - 2\mu_{11}^2\mu_{30}\mu_{06}\mu_{52} \\
& +4\mu_{11}^2\mu_{21}\mu_{51}\mu_{16} - 18\mu_{11}^2\mu_{21}\mu_{42}\mu_{25} + 32\mu_{11}^2\mu_{21}\mu_{33}\mu_{34} - 28\mu_{11}^2\mu_{21}\mu_{24}\mu_{43} \\
& +12\mu_{11}^2\mu_{21}\mu_{15}\mu_{52} - 2\mu_{11}^2\mu_{21}\mu_{06}\mu_{61} - 2\mu_{11}^2\mu_{12}\mu_{60}\mu_{16} + 12\mu_{11}^2\mu_{12}\mu_{51}\mu_{25} \\
& -28\mu_{11}^2\mu_{12}\mu_{42}\mu_{34} + 32\mu_{11}^2\mu_{12}\mu_{33}\mu_{43} - 18\mu_{11}^2\mu_{12}\mu_{24}\mu_{52} + 4\mu_{11}^2\mu_{12}\mu_{15}\mu_{61} \\
& -2\mu_{11}^2\mu_{03}\mu_{60}\mu_{25} + 8\mu_{11}^2\mu_{03}\mu_{51}\mu_{34} - 12\mu_{11}^2\mu_{03}\mu_{42}\mu_{43} + 8\mu_{11}^2\mu_{03}\mu_{33}\mu_{52} \\
& -2\mu_{11}^2\mu_{03}\mu_{24}\mu_{61} + 3\mu_{11}\mu_{02}\mu_{30}\mu_{42}\mu_{25} - 12\mu_{11}\mu_{02}\mu_{30}\mu_{33}\mu_{34} \\
& +18\mu_{11}\mu_{02}\mu_{30}\mu_{24}\mu_{43} - 12\mu_{11}\mu_{02}\mu_{30}\mu_{15}\mu_{52} + 3\mu_{11}\mu_{02}\mu_{30}\mu_{06}\mu_{61} \\
& -6\mu_{11}\mu_{02}\mu_{21}\mu_{51}\mu_{25} + 25\mu_{11}\mu_{02}\mu_{21}\mu_{42}\mu_{34} - 40\mu_{11}\mu_{02}\mu_{21}\mu_{33}\mu_{43} \\
& +30\mu_{11}\mu_{02}\mu_{21}\mu_{24}\mu_{52} - 10\mu_{11}\mu_{02}\mu_{21}\mu_{15}\mu_{61} + \mu_{11}\mu_{02}\mu_{21}\mu_{06}\mu_{70} \\
& +3\mu_{11}\mu_{02}\mu_{12}\mu_{60}\mu_{25} - 14\mu_{11}\mu_{02}\mu_{12}\mu_{51}\mu_{34} + 26\mu_{11}\mu_{02}\mu_{12}\mu_{42}\mu_{43} \\
& -24\mu_{11}\mu_{02}\mu_{12}\mu_{33}\mu_{52} + 11\mu_{11}\mu_{02}\mu_{12}\mu_{24}\mu_{61} - 2\mu_{11}\mu_{02}\mu_{12}\mu_{15}\mu_{70} \\
& +\mu_{11}\mu_{02}\mu_{03}\mu_{60}\mu_{34} - 4\mu_{11}\mu_{02}\mu_{03}\mu_{51}\mu_{43} + 6\mu_{11}\mu_{02}\mu_{03}\mu_{42}\mu_{52} \\
& -4\mu_{11}\mu_{02}\mu_{03}\mu_{33}\mu_{61} + \mu_{11}\mu_{02}\mu_{03}\mu_{24}\mu_{70} - \mu_{02}^2\mu_{30}\mu_{42}\mu_{34} \\
& +4\mu_{02}^2\mu_{30}\mu_{33}\mu_{43} - 6\mu_{02}^2\mu_{30}\mu_{24}\mu_{52} + 4\mu_{02}^2\mu_{30}\mu_{15}\mu_{61} - \mu_{02}^2\mu_{30}\mu_{06}\mu_{70} \\
& +2\mu_{02}^2\mu_{21}\mu_{51}\mu_{34} - 8\mu_{02}^2\mu_{21}\mu_{42}\mu_{43} + 12\mu_{02}^2\mu_{21}\mu_{33}\mu_{52} - 8\mu_{02}^2\mu_{21}\mu_{24}\mu_{61} \\
& +2\mu_{02}^2\mu_{21}\mu_{15}\mu_{70} - \mu_{02}^2\mu_{12}\mu_{60}\mu_{34} + 4\mu_{02}^2\mu_{12}\mu_{51}\mu_{43} - 6\mu_{02}^2\mu_{12}\mu_{42}\mu_{52} \\
& +4\mu_{02}^2\mu_{12}\mu_{33}\mu_{61} - \mu_{02}^2\mu_{12}\mu_{24}\mu_{70})/\mu_{00}^{15}
\end{aligned}
$$

weight=10
structure: 2,1,0,0,1,1
Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 2 | 2 | 2 | 3 | 4 | 4 | 5 | 5 | 5 |

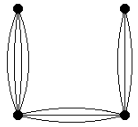


**Simultaneous invariants of the orders 3, 4, 6 and 7**

$$
\begin{aligned}
I_{273} \;=\; & (\mu_{30}\mu_{40}\mu_{33}\mu_{07} - 3\mu_{30}\mu_{40}\mu_{24}\mu_{16} + 3\mu_{30}\mu_{40}\mu_{15}\mu_{25} - \mu_{30}\mu_{40}\mu_{06}\mu_{34} \\
& -4\mu_{30}\mu_{31}\mu_{33}\mu_{16} + 12\mu_{30}\mu_{31}\mu_{24}\mu_{25} - 12\mu_{30}\mu_{31}\mu_{15}\mu_{34} + 4\mu_{30}\mu_{31}\mu_{06}\mu_{43} \\
& +6\mu_{30}\mu_{22}\mu_{33}\mu_{25} - 18\mu_{30}\mu_{22}\mu_{24}\mu_{34} + 18\mu_{30}\mu_{22}\mu_{15}\mu_{43} - 6\mu_{30}\mu_{22}\mu_{06}\mu_{52} \\
& -4\mu_{30}\mu_{13}\mu_{33}\mu_{34} + 12\mu_{30}\mu_{13}\mu_{24}\mu_{43} - 12\mu_{30}\mu_{13}\mu_{15}\mu_{52} + 4\mu_{30}\mu_{13}\mu_{06}\mu_{61} \\
& +\mu_{30}\mu_{04}\mu_{33}\mu_{43} - 3\mu_{30}\mu_{04}\mu_{24}\mu_{52} + 3\mu_{30}\mu_{04}\mu_{15}\mu_{61} - \mu_{30}\mu_{04}\mu_{06}\mu_{70} \\
& -3\mu_{21}\mu_{40}\mu_{42}\mu_{07} + 9\mu_{21}\mu_{40}\mu_{33}\mu_{16} - 9\mu_{21}\mu_{40}\mu_{24}\mu_{25} + 3\mu_{21}\mu_{40}\mu_{15}\mu_{34} \\
& +12\mu_{21}\mu_{31}\mu_{42}\mu_{16} - 36\mu_{21}\mu_{31}\mu_{33}\mu_{25} + 36\mu_{21}\mu_{31}\mu_{24}\mu_{34} - 12\mu_{21}\mu_{31}\mu_{15}\mu_{43} \\
& -18\mu_{21}\mu_{22}\mu_{42}\mu_{25} + 54\mu_{21}\mu_{22}\mu_{33}\mu_{34} - 54\mu_{21}\mu_{22}\mu_{24}\mu_{43} + 18\mu_{21}\mu_{22}\mu_{15}\mu_{52} \\
& +12\mu_{21}\mu_{13}\mu_{42}\mu_{34} - 36\mu_{21}\mu_{13}\mu_{33}\mu_{43} + 36\mu_{21}\mu_{13}\mu_{24}\mu_{52} - 12\mu_{21}\mu_{13}\mu_{15}\mu_{61} \\
& -3\mu_{21}\mu_{04}\mu_{42}\mu_{43} + 9\mu_{21}\mu_{04}\mu_{33}\mu_{52} - 9\mu_{21}\mu_{04}\mu_{24}\mu_{61} + 3\mu_{21}\mu_{04}\mu_{15}\mu_{70} \\
& +3\mu_{12}\mu_{40}\mu_{51}\mu_{07} - 9\mu_{12}\mu_{40}\mu_{42}\mu_{16} + 9\mu_{12}\mu_{40}\mu_{33}\mu_{25} - 3\mu_{12}\mu_{40}\mu_{24}\mu_{34} \\
& -12\mu_{12}\mu_{31}\mu_{51}\mu_{16} + 36\mu_{12}\mu_{31}\mu_{42}\mu_{25} - 36\mu_{12}\mu_{31}\mu_{33}\mu_{34} + 12\mu_{12}\mu_{31}\mu_{24}\mu_{43} \\
& +18\mu_{12}\mu_{22}\mu_{51}\mu_{25} - 54\mu_{12}\mu_{22}\mu_{42}\mu_{34} + 54\mu_{12}\mu_{22}\mu_{33}\mu_{43} - 18\mu_{12}\mu_{22}\mu_{24}\mu_{52} \\
& -12\mu_{12}\mu_{13}\mu_{51}\mu_{34} + 36\mu_{12}\mu_{13}\mu_{42}\mu_{43} - 36\mu_{12}\mu_{13}\mu_{33}\mu_{52} + 12\mu_{12}\mu_{13}\mu_{24}\mu_{61} \\
& +3\mu_{12}\mu_{04}\mu_{51}\mu_{43} - 9\mu_{12}\mu_{04}\mu_{42}\mu_{52} + 9\mu_{12}\mu_{04}\mu_{33}\mu_{61} - 3\mu_{12}\mu_{04}\mu_{24}\mu_{70} \\
& -\mu_{03}\mu_{40}\mu_{60}\mu_{07} + 3\mu_{03}\mu_{40}\mu_{51}\mu_{16} - 3\mu_{03}\mu_{40}\mu_{42}\mu_{25} + \mu_{03}\mu_{40}\mu_{33}\mu_{34} \\
& +4\mu_{03}\mu_{31}\mu_{60}\mu_{16} - 12\mu_{03}\mu_{31}\mu_{51}\mu_{25} + 12\mu_{03}\mu_{31}\mu_{42}\mu_{34} - 4\mu_{03}\mu_{31}\mu_{33}\mu_{43} \\
& -6\mu_{03}\mu_{22}\mu_{60}\mu_{25} + 18\mu_{03}\mu_{22}\mu_{51}\mu_{34} - 18\mu_{03}\mu_{22}\mu_{42}\mu_{43} + 6\mu_{03}\mu_{22}\mu_{33}\mu_{52} \\
& +4\mu_{03}\mu_{13}\mu_{60}\mu_{34} - 12\mu_{03}\mu_{13}\mu_{51}\mu_{43} + 12\mu_{03}\mu_{13}\mu_{42}\mu_{52} - 4\mu_{03}\mu_{13}\mu_{33}\mu_{61} \\
& -\mu_{03}\mu_{04}\mu_{60}\mu_{43} + 3\mu_{03}\mu_{04}\mu_{51}\mu_{52} - 3\mu_{03}\mu_{04}\mu_{42}\mu_{61} + \mu_{03}\mu_{04}\mu_{33}\mu_{70})/\mu_{00}^{14}
\end{aligned}
$$

weight=10
structure: 0,1,1,0,1,1
Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |



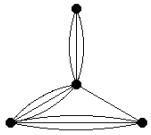
$$
\begin{aligned}
I_{274} \;=\; & (\mu_{30}\mu_{40}\mu_{33}\mu_{07} - 3\mu_{30}\mu_{40}\mu_{24}\mu_{16} + 3\mu_{30}\mu_{40}\mu_{15}\mu_{25} - \mu_{30}\mu_{40}\mu_{06}\mu_{34} \\
& -3\mu_{30}\mu_{31}\mu_{42}\mu_{07} + 8\mu_{30}\mu_{31}\mu_{33}\mu_{16} - 6\mu_{30}\mu_{31}\mu_{24}\mu_{25} + \mu_{30}\mu_{31}\mu_{06}\mu_{43} \\
& +3\mu_{30}\mu_{22}\mu_{51}\mu_{07} - 6\mu_{30}\mu_{22}\mu_{42}\mu_{16} + 6\mu_{30}\mu_{22}\mu_{24}\mu_{34} - 3\mu_{30}\mu_{22}\mu_{15}\mu_{43} \\
& -\mu_{30}\mu_{13}\mu_{60}\mu_{07} + 6\mu_{30}\mu_{13}\mu_{42}\mu_{25} - 8\mu_{30}\mu_{13}\mu_{33}\mu_{34} + 3\mu_{30}\mu_{13}\mu_{24}\mu_{43} \\
& +\mu_{30}\mu_{04}\mu_{60}\mu_{16} - 3\mu_{30}\mu_{04}\mu_{51}\mu_{25} + 3\mu_{30}\mu_{04}\mu_{42}\mu_{34} - \mu_{30}\mu_{04}\mu_{33}\mu_{43} \\
& -3\mu_{21}\mu_{40}\mu_{33}\mu_{16} + 9\mu_{21}\mu_{40}\mu_{24}\mu_{25} - 9\mu_{21}\mu_{40}\mu_{15}\mu_{34} + 3\mu_{21}\mu_{40}\mu_{06}\mu_{43} \\
& +9\mu_{21}\mu_{31}\mu_{42}\mu_{16} - 24\mu_{21}\mu_{31}\mu_{33}\mu_{25} + 18\mu_{21}\mu_{31}\mu_{24}\mu_{34} - 3\mu_{21}\mu_{31}\mu_{06}\mu_{52} \\
& -9\mu_{21}\mu_{22}\mu_{51}\mu_{16} + 18\mu_{21}\mu_{22}\mu_{42}\mu_{25} - 18\mu_{21}\mu_{22}\mu_{24}\mu_{43} + 9\mu_{21}\mu_{22}\mu_{15}\mu_{52} \\
& +3\mu_{21}\mu_{13}\mu_{60}\mu_{16} - 18\mu_{21}\mu_{13}\mu_{42}\mu_{34} + 24\mu_{21}\mu_{13}\mu_{33}\mu_{43} - 9\mu_{21}\mu_{13}\mu_{24}\mu_{52} \\
& -3\mu_{21}\mu_{04}\mu_{60}\mu_{25} + 9\mu_{21}\mu_{04}\mu_{51}\mu_{34} - 9\mu_{21}\mu_{04}\mu_{42}\mu_{43} + 3\mu_{21}\mu_{04}\mu_{33}\mu_{52} \\
& +3\mu_{12}\mu_{40}\mu_{33}\mu_{25} - 9\mu_{12}\mu_{40}\mu_{24}\mu_{34} + 9\mu_{12}\mu_{40}\mu_{15}\mu_{43} - 3\mu_{12}\mu_{40}\mu_{06}\mu_{52} \\
& -9\mu_{12}\mu_{31}\mu_{42}\mu_{25} + 24\mu_{12}\mu_{31}\mu_{33}\mu_{34} - 18\mu_{12}\mu_{31}\mu_{24}\mu_{43} + 3\mu_{12}\mu_{31}\mu_{06}\mu_{61} \\
& +9\mu_{12}\mu_{22}\mu_{51}\mu_{25} - 18\mu_{12}\mu_{22}\mu_{42}\mu_{34} + 18\mu_{12}\mu_{22}\mu_{24}\mu_{52} - 9\mu_{12}\mu_{22}\mu_{15}\mu_{61} \\
& -3\mu_{12}\mu_{13}\mu_{60}\mu_{25} + 18\mu_{12}\mu_{13}\mu_{42}\mu_{43} - 24\mu_{12}\mu_{13}\mu_{33}\mu_{52} + 9\mu_{12}\mu_{13}\mu_{24}\mu_{61} \\
& +3\mu_{12}\mu_{04}\mu_{60}\mu_{34} - 9\mu_{12}\mu_{04}\mu_{51}\mu_{43} + 9\mu_{12}\mu_{04}\mu_{42}\mu_{52} - 3\mu_{12}\mu_{04}\mu_{33}\mu_{61} \\
& -\mu_{03}\mu_{40}\mu_{33}\mu_{34} + 3\mu_{03}\mu_{40}\mu_{24}\mu_{43} - 3\mu_{03}\mu_{40}\mu_{15}\mu_{52} + \mu_{03}\mu_{40}\mu_{06}\mu_{61} \\
& +3\mu_{03}\mu_{31}\mu_{42}\mu_{34} - 8\mu_{03}\mu_{31}\mu_{33}\mu_{43} + 6\mu_{03}\mu_{31}\mu_{24}\mu_{52} - \mu_{03}\mu_{31}\mu_{06}\mu_{70} \\
& -3\mu_{03}\mu_{22}\mu_{51}\mu_{34} + 6\mu_{03}\mu_{22}\mu_{42}\mu_{43} - 6\mu_{03}\mu_{22}\mu_{24}\mu_{61} + 3\mu_{03}\mu_{22}\mu_{15}\mu_{70} \\
& +\mu_{03}\mu_{13}\mu_{60}\mu_{34} - 6\mu_{03}\mu_{13}\mu_{42}\mu_{52} + 8\mu_{03}\mu_{13}\mu_{33}\mu_{61} - 3\mu_{03}\mu_{13}\mu_{24}\mu_{70} \\
& -\mu_{03}\mu_{04}\mu_{60}\mu_{43} + 3\mu_{03}\mu_{04}\mu_{51}\mu_{52} - 3\mu_{03}\mu_{04}\mu_{42}\mu_{61} + \mu_{03}\mu_{04}\mu_{33}\mu_{70})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,1,1,0,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |



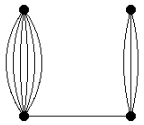
$$
\begin{aligned}
I_{275} \;=\; & (\mu_{30}\mu_{13}\mu_{60}\mu_{07} - 6\mu_{30}\mu_{13}\mu_{51}\mu_{16} + 15\mu_{30}\mu_{13}\mu_{42}\mu_{25} - 20\mu_{30}\mu_{13}\mu_{33}\mu_{34} \\
& +15\mu_{30}\mu_{13}\mu_{24}\mu_{43} - 6\mu_{30}\mu_{13}\mu_{15}\mu_{52} + \mu_{30}\mu_{13}\mu_{06}\mu_{61} - \mu_{30}\mu_{04}\mu_{60}\mu_{16} \\
& +6\mu_{30}\mu_{04}\mu_{51}\mu_{25} - 15\mu_{30}\mu_{04}\mu_{42}\mu_{34} + 20\mu_{30}\mu_{04}\mu_{33}\mu_{43} - 15\mu_{30}\mu_{04}\mu_{24}\mu_{52} \\
& +6\mu_{30}\mu_{04}\mu_{15}\mu_{61} - \mu_{30}\mu_{04}\mu_{06}\mu_{70} - 3\mu_{21}\mu_{22}\mu_{60}\mu_{07} + 18\mu_{21}\mu_{22}\mu_{51}\mu_{16} \\
& -45\mu_{21}\mu_{22}\mu_{42}\mu_{25} + 60\mu_{21}\mu_{22}\mu_{33}\mu_{34} - 45\mu_{21}\mu_{22}\mu_{24}\mu_{43} + 18\mu_{21}\mu_{22}\mu_{15}\mu_{52} \\
& -3\mu_{21}\mu_{22}\mu_{06}\mu_{61} + 3\mu_{21}\mu_{13}\mu_{60}\mu_{16} - 18\mu_{21}\mu_{13}\mu_{51}\mu_{25} + 45\mu_{21}\mu_{13}\mu_{42}\mu_{34} \\
& -60\mu_{21}\mu_{13}\mu_{33}\mu_{43} + 45\mu_{21}\mu_{13}\mu_{24}\mu_{52} - 18\mu_{21}\mu_{13}\mu_{15}\mu_{61} + 3\mu_{21}\mu_{13}\mu_{06}\mu_{70} \\
& +3\mu_{12}\mu_{31}\mu_{60}\mu_{07} - 18\mu_{12}\mu_{31}\mu_{51}\mu_{16} + 45\mu_{12}\mu_{31}\mu_{42}\mu_{25} - 60\mu_{12}\mu_{31}\mu_{33}\mu_{34} \\
& +45\mu_{12}\mu_{31}\mu_{24}\mu_{43} - 18\mu_{12}\mu_{31}\mu_{15}\mu_{52} + 3\mu_{12}\mu_{31}\mu_{06}\mu_{61} - 3\mu_{12}\mu_{22}\mu_{60}\mu_{16} \\
& +18\mu_{12}\mu_{22}\mu_{51}\mu_{25} - 45\mu_{12}\mu_{22}\mu_{42}\mu_{34} + 60\mu_{12}\mu_{22}\mu_{33}\mu_{43} - 45\mu_{12}\mu_{22}\mu_{24}\mu_{52} \\
& +18\mu_{12}\mu_{22}\mu_{15}\mu_{61} - 3\mu_{12}\mu_{22}\mu_{06}\mu_{70} - \mu_{03}\mu_{40}\mu_{60}\mu_{07} + 6\mu_{03}\mu_{40}\mu_{51}\mu_{16} \\
& -15\mu_{03}\mu_{40}\mu_{42}\mu_{25} + 20\mu_{03}\mu_{40}\mu_{33}\mu_{34} - 15\mu_{03}\mu_{40}\mu_{24}\mu_{43} + 6\mu_{03}\mu_{40}\mu_{15}\mu_{52} \\
& -\mu_{03}\mu_{40}\mu_{06}\mu_{61} + \mu_{03}\mu_{31}\mu_{60}\mu_{16} - 6\mu_{03}\mu_{31}\mu_{51}\mu_{25} + 15\mu_{03}\mu_{31}\mu_{42}\mu_{34} \\
& -20\mu_{03}\mu_{31}\mu_{33}\mu_{43} + 15\mu_{03}\mu_{31}\mu_{24}\mu_{52} - 6\mu_{03}\mu_{31}\mu_{15}\mu_{61} + \mu_{03}\mu_{31}\mu_{06}\mu_{70})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,1,1,0,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |



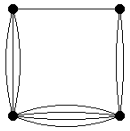
$$
\begin{aligned}
I_{276} \;=\; & (\mu_{30}\mu_{31}\mu_{42}\mu_{07} - 4\mu_{30}\mu_{31}\mu_{33}\mu_{16} + 6\mu_{30}\mu_{31}\mu_{24}\mu_{25} - 4\mu_{30}\mu_{31}\mu_{15}\mu_{34} \\
& +\mu_{30}\mu_{31}\mu_{06}\mu_{43} - 3\mu_{30}\mu_{22}\mu_{42}\mu_{16} + 12\mu_{30}\mu_{22}\mu_{33}\mu_{25} - 18\mu_{30}\mu_{22}\mu_{24}\mu_{34} \\
& +12\mu_{30}\mu_{22}\mu_{15}\mu_{43} - 3\mu_{30}\mu_{22}\mu_{06}\mu_{52} + 3\mu_{30}\mu_{13}\mu_{42}\mu_{25} - 12\mu_{30}\mu_{13}\mu_{33}\mu_{34} \\
& +18\mu_{30}\mu_{13}\mu_{24}\mu_{43} - 12\mu_{30}\mu_{13}\mu_{15}\mu_{52} + 3\mu_{30}\mu_{13}\mu_{06}\mu_{61} - \mu_{30}\mu_{04}\mu_{42}\mu_{34} \\
& +4\mu_{30}\mu_{04}\mu_{33}\mu_{43} - 6\mu_{30}\mu_{04}\mu_{24}\mu_{52} + 4\mu_{30}\mu_{04}\mu_{15}\mu_{61} - \mu_{30}\mu_{04}\mu_{06}\mu_{70} \\
& -\mu_{21}\mu_{40}\mu_{42}\mu_{07} + 4\mu_{21}\mu_{40}\mu_{33}\mu_{16} - 6\mu_{21}\mu_{40}\mu_{24}\mu_{25} + 4\mu_{21}\mu_{40}\mu_{15}\mu_{34} \\
& -\mu_{21}\mu_{40}\mu_{06}\mu_{43} - 2\mu_{21}\mu_{31}\mu_{51}\mu_{07} + 11\mu_{21}\mu_{31}\mu_{42}\mu_{16} - 24\mu_{21}\mu_{31}\mu_{33}\mu_{25} \\
& +26\mu_{21}\mu_{31}\mu_{24}\mu_{34} - 14\mu_{21}\mu_{31}\mu_{15}\mu_{43} + 3\mu_{21}\mu_{31}\mu_{06}\mu_{52} + 6\mu_{21}\mu_{22}\mu_{51}\mu_{16} \\
& -27\mu_{21}\mu_{22}\mu_{42}\mu_{25} + 48\mu_{21}\mu_{22}\mu_{33}\mu_{34} - 42\mu_{21}\mu_{22}\mu_{24}\mu_{43} + 18\mu_{21}\mu_{22}\mu_{15}\mu_{52} \\
& -3\mu_{21}\mu_{22}\mu_{06}\mu_{61} - 6\mu_{21}\mu_{13}\mu_{51}\mu_{25} + 25\mu_{21}\mu_{13}\mu_{42}\mu_{34} - 40\mu_{21}\mu_{13}\mu_{33}\mu_{43} \\
& +30\mu_{21}\mu_{13}\mu_{24}\mu_{52} - 10\mu_{21}\mu_{13}\mu_{15}\mu_{61} + \mu_{21}\mu_{13}\mu_{06}\mu_{70} + 2\mu_{21}\mu_{04}\mu_{51}\mu_{34} \\
& -8\mu_{21}\mu_{04}\mu_{42}\mu_{43} + 12\mu_{21}\mu_{04}\mu_{33}\mu_{52} - 8\mu_{21}\mu_{04}\mu_{24}\mu_{61} + 2\mu_{21}\mu_{04}\mu_{15}\mu_{70} \\
& +2\mu_{12}\mu_{40}\mu_{51}\mu_{07} - 8\mu_{12}\mu_{40}\mu_{42}\mu_{16} + 12\mu_{12}\mu_{40}\mu_{33}\mu_{25} - 8\mu_{12}\mu_{40}\mu_{24}\mu_{34} \\
& +2\mu_{12}\mu_{40}\mu_{15}\mu_{43} + \mu_{12}\mu_{31}\mu_{60}\mu_{07} - 10\mu_{12}\mu_{31}\mu_{51}\mu_{16} + 30\mu_{12}\mu_{31}\mu_{42}\mu_{25} \\
& -40\mu_{12}\mu_{31}\mu_{33}\mu_{34} + 25\mu_{12}\mu_{31}\mu_{24}\mu_{43} - 6\mu_{12}\mu_{31}\mu_{15}\mu_{52} - 3\mu_{12}\mu_{22}\mu_{60}\mu_{16} \\
& +18\mu_{12}\mu_{22}\mu_{51}\mu_{25} - 42\mu_{12}\mu_{22}\mu_{42}\mu_{34} + 48\mu_{12}\mu_{22}\mu_{33}\mu_{43} - 27\mu_{12}\mu_{22}\mu_{24}\mu_{52} \\
& +6\mu_{12}\mu_{22}\mu_{15}\mu_{61} + 3\mu_{12}\mu_{13}\mu_{60}\mu_{25} - 14\mu_{12}\mu_{13}\mu_{51}\mu_{34} + 26\mu_{12}\mu_{13}\mu_{42}\mu_{43} \\
& -24\mu_{12}\mu_{13}\mu_{33}\mu_{52} + 11\mu_{12}\mu_{13}\mu_{24}\mu_{61} - 2\mu_{12}\mu_{13}\mu_{15}\mu_{70} - \mu_{12}\mu_{04}\mu_{60}\mu_{34} \\
& +4\mu_{12}\mu_{04}\mu_{51}\mu_{43} - 6\mu_{12}\mu_{04}\mu_{42}\mu_{52} + 4\mu_{12}\mu_{04}\mu_{33}\mu_{61} - \mu_{12}\mu_{04}\mu_{24}\mu_{70} \\
& -\mu_{03}\mu_{40}\mu_{60}\mu_{07} + 4\mu_{03}\mu_{40}\mu_{51}\mu_{16} - 6\mu_{03}\mu_{40}\mu_{42}\mu_{25} + 4\mu_{03}\mu_{40}\mu_{33}\mu_{34} \\
& -\mu_{03}\mu_{40}\mu_{24}\mu_{43} + 3\mu_{03}\mu_{31}\mu_{60}\mu_{16} - 12\mu_{03}\mu_{31}\mu_{51}\mu_{25} + 18\mu_{03}\mu_{31}\mu_{42}\mu_{34} \\
& -12\mu_{03}\mu_{31}\mu_{33}\mu_{43} + 3\mu_{03}\mu_{31}\mu_{24}\mu_{52} - 3\mu_{03}\mu_{22}\mu_{60}\mu_{25} + 12\mu_{03}\mu_{22}\mu_{51}\mu_{34} \\
& -18\mu_{03}\mu_{22}\mu_{42}\mu_{43} + 12\mu_{03}\mu_{22}\mu_{33}\mu_{52} - 3\mu_{03}\mu_{22}\mu_{24}\mu_{61} + \mu_{03}\mu_{13}\mu_{60}\mu_{34} \\
& -4\mu_{03}\mu_{13}\mu_{51}\mu_{43} + 6\mu_{03}\mu_{13}\mu_{42}\mu_{52} - 4\mu_{03}\mu_{13}\mu_{33}\mu_{61} + \mu_{03}\mu_{13}\mu_{24}\mu_{70})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,1,1,0,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 |



**Simultaneous invariants of the orders 2, 5, 6 and 7**

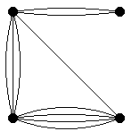
$$
\begin{aligned}
I_{277} \;=\; & (\mu_{20}\mu_{50}\mu_{33}\mu_{07} - 3\mu_{20}\mu_{50}\mu_{24}\mu_{16} + 3\mu_{20}\mu_{50}\mu_{15}\mu_{25} - \mu_{20}\mu_{50}\mu_{06}\mu_{34} \\
& -\mu_{20}\mu_{41}\mu_{42}\mu_{07} - \mu_{20}\mu_{41}\mu_{33}\mu_{16} + 9\mu_{20}\mu_{41}\mu_{24}\mu_{25} - 11\mu_{20}\mu_{41}\mu_{15}\mu_{34} \\
& +4\mu_{20}\mu_{41}\mu_{06}\mu_{43} + 4\mu_{20}\mu_{32}\mu_{42}\mu_{16} - 6\mu_{20}\mu_{32}\mu_{33}\mu_{25} - 6\mu_{20}\mu_{32}\mu_{24}\mu_{34} \\
& +14\mu_{20}\mu_{32}\mu_{15}\mu_{43} - 6\mu_{20}\mu_{32}\mu_{06}\mu_{52} - 6\mu_{20}\mu_{23}\mu_{42}\mu_{25} + 14\mu_{20}\mu_{23}\mu_{33}\mu_{34} \\
& -6\mu_{20}\mu_{23}\mu_{24}\mu_{43} - 6\mu_{20}\mu_{23}\mu_{15}\mu_{52} + 4\mu_{20}\mu_{23}\mu_{06}\mu_{61} + 4\mu_{20}\mu_{14}\mu_{42}\mu_{34} \\
& -11\mu_{20}\mu_{14}\mu_{33}\mu_{43} + 9\mu_{20}\mu_{14}\mu_{24}\mu_{52} - \mu_{20}\mu_{14}\mu_{15}\mu_{61} - \mu_{20}\mu_{14}\mu_{06}\mu_{70} \\
& -\mu_{20}\mu_{05}\mu_{42}\mu_{43} + 3\mu_{20}\mu_{05}\mu_{33}\mu_{52} - 3\mu_{20}\mu_{05}\mu_{24}\mu_{61} + \mu_{20}\mu_{05}\mu_{15}\mu_{70} \\
& -2\mu_{11}\mu_{50}\mu_{42}\mu_{07} + 6\mu_{11}\mu_{50}\mu_{33}\mu_{16} - 6\mu_{11}\mu_{50}\mu_{24}\mu_{25} + 2\mu_{11}\mu_{50}\mu_{15}\mu_{34} \\
& +2\mu_{11}\mu_{41}\mu_{51}\mu_{07} + 2\mu_{11}\mu_{41}\mu_{42}\mu_{16} - 18\mu_{11}\mu_{41}\mu_{33}\mu_{25} + 22\mu_{11}\mu_{41}\mu_{24}\mu_{34} \\
& -8\mu_{11}\mu_{41}\mu_{15}\mu_{43} - 8\mu_{11}\mu_{32}\mu_{51}\mu_{16} + 12\mu_{11}\mu_{32}\mu_{42}\mu_{25} + 12\mu_{11}\mu_{32}\mu_{33}\mu_{34} \\
& -28\mu_{11}\mu_{32}\mu_{24}\mu_{43} + 12\mu_{11}\mu_{32}\mu_{15}\mu_{52} + 12\mu_{11}\mu_{23}\mu_{51}\mu_{25} - 28\mu_{11}\mu_{23}\mu_{42}\mu_{34} \\
& +12\mu_{11}\mu_{23}\mu_{33}\mu_{43} + 12\mu_{11}\mu_{23}\mu_{24}\mu_{52} - 8\mu_{11}\mu_{23}\mu_{15}\mu_{61} - 8\mu_{11}\mu_{14}\mu_{51}\mu_{34} \\
& +22\mu_{11}\mu_{14}\mu_{42}\mu_{43} - 18\mu_{11}\mu_{14}\mu_{33}\mu_{52} + 2\mu_{11}\mu_{14}\mu_{24}\mu_{61} + 2\mu_{11}\mu_{14}\mu_{15}\mu_{70} \\
& +2\mu_{11}\mu_{05}\mu_{51}\mu_{43} - 6\mu_{11}\mu_{05}\mu_{42}\mu_{52} + 6\mu_{11}\mu_{05}\mu_{33}\mu_{61} - 2\mu_{11}\mu_{05}\mu_{24}\mu_{70} \\
& +\mu_{02}\mu_{50}\mu_{51}\mu_{07} - 3\mu_{02}\mu_{50}\mu_{42}\mu_{16} + 3\mu_{02}\mu_{50}\mu_{33}\mu_{25} - \mu_{02}\mu_{50}\mu_{24}\mu_{34} \\
& -\mu_{02}\mu_{41}\mu_{60}\mu_{07} - \mu_{02}\mu_{41}\mu_{51}\mu_{16} + 9\mu_{02}\mu_{41}\mu_{42}\mu_{25} - 11\mu_{02}\mu_{41}\mu_{33}\mu_{34} \\
& +4\mu_{02}\mu_{41}\mu_{24}\mu_{43} + 4\mu_{02}\mu_{32}\mu_{60}\mu_{16} - 6\mu_{02}\mu_{32}\mu_{51}\mu_{25} - 6\mu_{02}\mu_{32}\mu_{42}\mu_{34} \\
& +14\mu_{02}\mu_{32}\mu_{33}\mu_{43} - 6\mu_{02}\mu_{32}\mu_{24}\mu_{52} - 6\mu_{02}\mu_{23}\mu_{60}\mu_{25} + 14\mu_{02}\mu_{23}\mu_{51}\mu_{34} \\
& -6\mu_{02}\mu_{23}\mu_{42}\mu_{43} - 6\mu_{02}\mu_{23}\mu_{33}\mu_{52} + 4\mu_{02}\mu_{23}\mu_{24}\mu_{61} + 4\mu_{02}\mu_{14}\mu_{60}\mu_{34} \\
& -11\mu_{02}\mu_{14}\mu_{51}\mu_{43} + 9\mu_{02}\mu_{14}\mu_{42}\mu_{52} - \mu_{02}\mu_{14}\mu_{33}\mu_{61} - \mu_{02}\mu_{14}\mu_{24}\mu_{70} \\
& -\mu_{02}\mu_{05}\mu_{60}\mu_{43} + 3\mu_{02}\mu_{05}\mu_{51}\mu_{52} - 3\mu_{02}\mu_{05}\mu_{42}\mu_{61} + \mu_{02}\mu_{05}\mu_{33}\mu_{70})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 1,0,0,1,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |



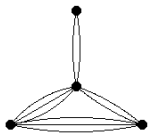
$$
\begin{aligned}
I_{278} \;=\; & (\mu_{20}\mu_{50}\mu_{33}\mu_{07} - 3\mu_{20}\mu_{50}\mu_{24}\mu_{16} + 3\mu_{20}\mu_{50}\mu_{15}\mu_{25} - \mu_{20}\mu_{50}\mu_{06}\mu_{34} \\
& -3\mu_{20}\mu_{41}\mu_{42}\mu_{07} + 7\mu_{20}\mu_{41}\mu_{33}\mu_{16} - 3\mu_{20}\mu_{41}\mu_{24}\mu_{25} - 3\mu_{20}\mu_{41}\mu_{15}\mu_{34} \\
& +2\mu_{20}\mu_{41}\mu_{06}\mu_{43} + 3\mu_{20}\mu_{32}\mu_{51}\mu_{07} - 3\mu_{20}\mu_{32}\mu_{42}\mu_{16} - 8\mu_{20}\mu_{32}\mu_{33}\mu_{25} \\
& +12\mu_{20}\mu_{32}\mu_{24}\mu_{34} - 3\mu_{20}\mu_{32}\mu_{15}\mu_{43} - \mu_{20}\mu_{32}\mu_{06}\mu_{52} - \mu_{20}\mu_{23}\mu_{60}\mu_{07} \\
& -3\mu_{20}\mu_{23}\mu_{51}\mu_{16} + 12\mu_{20}\mu_{23}\mu_{42}\mu_{25} - 8\mu_{20}\mu_{23}\mu_{33}\mu_{34} - 3\mu_{20}\mu_{23}\mu_{24}\mu_{43} \\
& +3\mu_{20}\mu_{23}\mu_{15}\mu_{52} + 2\mu_{20}\mu_{14}\mu_{60}\mu_{16} - 3\mu_{20}\mu_{14}\mu_{51}\mu_{25} - 3\mu_{20}\mu_{14}\mu_{42}\mu_{34} \\
& +7\mu_{20}\mu_{14}\mu_{33}\mu_{43} - 3\mu_{20}\mu_{14}\mu_{24}\mu_{52} - \mu_{20}\mu_{05}\mu_{60}\mu_{25} + 3\mu_{20}\mu_{05}\mu_{51}\mu_{34} \\
& -3\mu_{20}\mu_{05}\mu_{42}\mu_{43} + \mu_{20}\mu_{05}\mu_{33}\mu_{52} - 2\mu_{11}\mu_{50}\mu_{33}\mu_{16} + 6\mu_{11}\mu_{50}\mu_{24}\mu_{25} \\
& -6\mu_{11}\mu_{50}\mu_{15}\mu_{34} + 2\mu_{11}\mu_{50}\mu_{06}\mu_{43} + 6\mu_{11}\mu_{41}\mu_{42}\mu_{16} - 14\mu_{11}\mu_{41}\mu_{33}\mu_{25} \\
& +6\mu_{11}\mu_{41}\mu_{24}\mu_{34} + 6\mu_{11}\mu_{41}\mu_{15}\mu_{43} - 4\mu_{11}\mu_{41}\mu_{06}\mu_{52} - 6\mu_{11}\mu_{32}\mu_{51}\mu_{16} \\
& +6\mu_{11}\mu_{32}\mu_{42}\mu_{25} + 16\mu_{11}\mu_{32}\mu_{33}\mu_{34} - 24\mu_{11}\mu_{32}\mu_{24}\mu_{43} + 6\mu_{11}\mu_{32}\mu_{15}\mu_{52} \\
& +2\mu_{11}\mu_{32}\mu_{06}\mu_{61} + 2\mu_{11}\mu_{23}\mu_{60}\mu_{16} + 6\mu_{11}\mu_{23}\mu_{51}\mu_{25} - 24\mu_{11}\mu_{23}\mu_{42}\mu_{34} \\
& +16\mu_{11}\mu_{23}\mu_{33}\mu_{43} + 6\mu_{11}\mu_{23}\mu_{24}\mu_{52} - 6\mu_{11}\mu_{23}\mu_{15}\mu_{61} - 4\mu_{11}\mu_{14}\mu_{60}\mu_{25} \\
& +6\mu_{11}\mu_{14}\mu_{51}\mu_{34} + 6\mu_{11}\mu_{14}\mu_{42}\mu_{43} - 14\mu_{11}\mu_{14}\mu_{33}\mu_{52} + 6\mu_{11}\mu_{14}\mu_{24}\mu_{61} \\
& +2\mu_{11}\mu_{05}\mu_{60}\mu_{34} - 6\mu_{11}\mu_{05}\mu_{51}\mu_{43} + 6\mu_{11}\mu_{05}\mu_{42}\mu_{52} - 2\mu_{11}\mu_{05}\mu_{33}\mu_{61} \\
& +\mu_{02}\mu_{50}\mu_{33}\mu_{25} - 3\mu_{02}\mu_{50}\mu_{24}\mu_{34} + 3\mu_{02}\mu_{50}\mu_{15}\mu_{43} - \mu_{02}\mu_{50}\mu_{06}\mu_{52} \\
& -3\mu_{02}\mu_{41}\mu_{42}\mu_{25} + 7\mu_{02}\mu_{41}\mu_{33}\mu_{34} - 3\mu_{02}\mu_{41}\mu_{24}\mu_{43} - 3\mu_{02}\mu_{41}\mu_{15}\mu_{52} \\
& +2\mu_{02}\mu_{41}\mu_{06}\mu_{61} + 3\mu_{02}\mu_{32}\mu_{51}\mu_{25} - 3\mu_{02}\mu_{32}\mu_{42}\mu_{34} - 8\mu_{02}\mu_{32}\mu_{33}\mu_{43} \\
& +12\mu_{02}\mu_{32}\mu_{24}\mu_{52} - 3\mu_{02}\mu_{32}\mu_{15}\mu_{61} - \mu_{02}\mu_{32}\mu_{06}\mu_{70} - \mu_{02}\mu_{23}\mu_{60}\mu_{25} \\
& -3\mu_{02}\mu_{23}\mu_{51}\mu_{34} + 12\mu_{02}\mu_{23}\mu_{42}\mu_{43} - 8\mu_{02}\mu_{23}\mu_{33}\mu_{52} - 3\mu_{02}\mu_{23}\mu_{24}\mu_{61} \\
& +3\mu_{02}\mu_{23}\mu_{15}\mu_{70} + 2\mu_{02}\mu_{14}\mu_{60}\mu_{34} - 3\mu_{02}\mu_{14}\mu_{51}\mu_{43} - 3\mu_{02}\mu_{14}\mu_{42}\mu_{52} \\
& +7\mu_{02}\mu_{14}\mu_{33}\mu_{61} - 3\mu_{02}\mu_{14}\mu_{24}\mu_{70} - \mu_{02}\mu_{05}\mu_{60}\mu_{43} + 3\mu_{02}\mu_{05}\mu_{51}\mu_{52} \\
& -3\mu_{02}\mu_{05}\mu_{42}\mu_{61} + \mu_{02}\mu_{05}\mu_{33}\mu_{70})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 1,0,0,1,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |



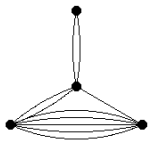
$$
\begin{aligned}
I_{279} \;=\; & (-\mu_{20}\mu_{32}\mu_{51}\mu_{07} + 5\mu_{20}\mu_{32}\mu_{42}\mu_{16} - 10\mu_{20}\mu_{32}\mu_{33}\mu_{25} + 10\mu_{20}\mu_{32}\mu_{24}\mu_{34} \\
& -5\mu_{20}\mu_{32}\mu_{15}\mu_{43} + \mu_{20}\mu_{32}\mu_{06}\mu_{52} + \mu_{20}\mu_{23}\mu_{60}\mu_{07} - 3\mu_{20}\mu_{23}\mu_{51}\mu_{16} \\
& +10\mu_{20}\mu_{23}\mu_{33}\mu_{34} - 15\mu_{20}\mu_{23}\mu_{24}\mu_{43} + 9\mu_{20}\mu_{23}\mu_{15}\mu_{52} - 2\mu_{20}\mu_{23}\mu_{06}\mu_{61} \\
& -2\mu_{20}\mu_{14}\mu_{60}\mu_{16} + 9\mu_{20}\mu_{14}\mu_{51}\mu_{25} - 15\mu_{20}\mu_{14}\mu_{42}\mu_{34} + 10\mu_{20}\mu_{14}\mu_{33}\mu_{43} \\
& -3\mu_{20}\mu_{14}\mu_{15}\mu_{61} + \mu_{20}\mu_{14}\mu_{06}\mu_{70} + \mu_{20}\mu_{05}\mu_{60}\mu_{25} - 5\mu_{20}\mu_{05}\mu_{51}\mu_{34} \\
& +10\mu_{20}\mu_{05}\mu_{42}\mu_{43} - 10\mu_{20}\mu_{05}\mu_{33}\mu_{52} + 5\mu_{20}\mu_{05}\mu_{24}\mu_{61} - \mu_{20}\mu_{05}\mu_{15}\mu_{70} \\
& +2\mu_{11}\mu_{41}\mu_{51}\mu_{07} - 10\mu_{11}\mu_{41}\mu_{42}\mu_{16} + 20\mu_{11}\mu_{41}\mu_{33}\mu_{25} - 20\mu_{11}\mu_{41}\mu_{24}\mu_{34} \\
& +10\mu_{11}\mu_{41}\mu_{15}\mu_{43} - 2\mu_{11}\mu_{41}\mu_{06}\mu_{52} - 2\mu_{11}\mu_{32}\mu_{60}\mu_{07} + 6\mu_{11}\mu_{32}\mu_{51}\mu_{16} \\
& -20\mu_{11}\mu_{32}\mu_{33}\mu_{34} + 30\mu_{11}\mu_{32}\mu_{24}\mu_{43} - 18\mu_{11}\mu_{32}\mu_{15}\mu_{52} + 4\mu_{11}\mu_{32}\mu_{06}\mu_{61} \\
& +4\mu_{11}\mu_{23}\mu_{60}\mu_{16} - 18\mu_{11}\mu_{23}\mu_{51}\mu_{25} + 30\mu_{11}\mu_{23}\mu_{42}\mu_{34} - 20\mu_{11}\mu_{23}\mu_{33}\mu_{43} \\
& +6\mu_{11}\mu_{23}\mu_{15}\mu_{61} - 2\mu_{11}\mu_{23}\mu_{06}\mu_{70} - 2\mu_{11}\mu_{14}\mu_{60}\mu_{25} + 10\mu_{11}\mu_{14}\mu_{51}\mu_{34} \\
& -20\mu_{11}\mu_{14}\mu_{42}\mu_{43} + 20\mu_{11}\mu_{14}\mu_{33}\mu_{52} - 10\mu_{11}\mu_{14}\mu_{24}\mu_{61} + 2\mu_{11}\mu_{14}\mu_{15}\mu_{70} \\
& -\mu_{02}\mu_{50}\mu_{51}\mu_{07} + 5\mu_{02}\mu_{50}\mu_{42}\mu_{16} - 10\mu_{02}\mu_{50}\mu_{33}\mu_{25} + 10\mu_{02}\mu_{50}\mu_{24}\mu_{34} \\
& -5\mu_{02}\mu_{50}\mu_{15}\mu_{43} + \mu_{02}\mu_{50}\mu_{06}\mu_{52} + \mu_{02}\mu_{41}\mu_{60}\mu_{07} - 3\mu_{02}\mu_{41}\mu_{51}\mu_{16} \\
& +10\mu_{02}\mu_{41}\mu_{33}\mu_{34} - 15\mu_{02}\mu_{41}\mu_{24}\mu_{43} + 9\mu_{02}\mu_{41}\mu_{15}\mu_{52} - 2\mu_{02}\mu_{41}\mu_{06}\mu_{61} \\
& -2\mu_{02}\mu_{32}\mu_{60}\mu_{16} + 9\mu_{02}\mu_{32}\mu_{51}\mu_{25} - 15\mu_{02}\mu_{32}\mu_{42}\mu_{34} + 10\mu_{02}\mu_{32}\mu_{33}\mu_{43} \\
& -3\mu_{02}\mu_{32}\mu_{15}\mu_{61} + \mu_{02}\mu_{32}\mu_{06}\mu_{70} + \mu_{02}\mu_{23}\mu_{60}\mu_{25} - 5\mu_{02}\mu_{23}\mu_{51}\mu_{34} \\
& +10\mu_{02}\mu_{23}\mu_{42}\mu_{43} - 10\mu_{02}\mu_{23}\mu_{33}\mu_{52} + 5\mu_{02}\mu_{23}\mu_{24}\mu_{61} - \mu_{02}\mu_{23}\mu_{15}\mu_{70})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 1,0,0,1,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |



**Homogeneous invariants of the order 8**

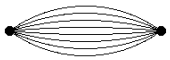
$$I_{280} = (\mu_{80}\mu_{08} - 8\mu_{71}\mu_{17} + 28\mu_{62}\mu_{26} - 56\mu_{53}\mu_{35} + 35\mu_{44}^2)/\mu_{00}^{10}$$

weight=8

structure: 0,0,0,0,0,0,2

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |



**Simultaneous invariants of the orders 2 and 8**

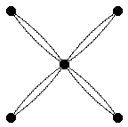
$$\begin{aligned} I_{281} \;=\; & (\mu_{20}^4\mu_{08} - 8\mu_{20}^3\mu_{11}\mu_{17} + 4\mu_{20}^3\mu_{02}\mu_{26} + 24\mu_{20}^2\mu_{11}^2\mu_{26} - 24\mu_{20}^2\mu_{11}\mu_{02}\mu_{35} \\ & +6\mu_{20}^2\mu_{02}^2\mu_{44} - 32\mu_{20}\mu_{11}^3\mu_{35} + 48\mu_{20}\mu_{11}^2\mu_{02}\mu_{44} - 24\mu_{20}\mu_{11}\mu_{02}^2\mu_{53} + 4\mu_{20}\mu_{02}^3\mu_{62} \\ & +16\mu_{11}^4\mu_{44} - 32\mu_{11}^3\mu_{02}\mu_{53} + 24\mu_{11}^2\mu_{02}^2\mu_{62} - 8\mu_{11}\mu_{02}^3\mu_{71} + \mu_{02}^4\mu_{80})/\mu_{00}^{13} \end{aligned}$$

weight=8

structure: 4,0,0,0,0,0,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 |



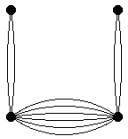
$$\begin{aligned} I_{282} \;=\; & (\mu_{20}^2\mu_{62}\mu_{08} - 6\mu_{20}^2\mu_{53}\mu_{17} + 15\mu_{20}^2\mu_{44}\mu_{26} - 10\mu_{20}^2\mu_{35}^2 - 2\mu_{20}\mu_{11}\mu_{71}\mu_{08} \\ & +10\mu_{20}\mu_{11}\mu_{62}\mu_{17} - 18\mu_{20}\mu_{11}\mu_{53}\mu_{26} + 10\mu_{20}\mu_{11}\mu_{44}\mu_{35} + \mu_{20}\mu_{02}\mu_{80}\mu_{08} \\ & -6\mu_{20}\mu_{02}\mu_{71}\mu_{17} + 16\mu_{20}\mu_{02}\mu_{62}\mu_{26} - 26\mu_{20}\mu_{02}\mu_{53}\mu_{35} + 15\mu_{20}\mu_{02}\mu_{44}^2 \\ & +4\mu_{11}^2\mu_{71}\mu_{17} - 24\mu_{11}^2\mu_{62}\mu_{26} + 60\mu_{11}^2\mu_{53}\mu_{35} - 40\mu_{11}^2\mu_{44}^2 - 2\mu_{11}\mu_{02}\mu_{80}\mu_{17} \\ & +10\mu_{11}\mu_{02}\mu_{71}\mu_{26} - 18\mu_{11}\mu_{02}\mu_{62}\mu_{35} + 10\mu_{11}\mu_{02}\mu_{53}\mu_{44} + \mu_{02}^2\mu_{80}\mu_{26} \\ & -6\mu_{02}^2\mu_{71}\mu_{35} + 15\mu_{02}^2\mu_{62}\mu_{44} - 10\mu_{02}^2\mu_{53}^2)/\mu_{00}^{14} \end{aligned}$$

weight=10

structure: 2,0,0,0,0,0,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 |



**Simultaneous invariants of the orders 3 and 8**

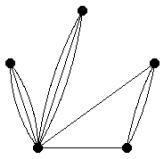
$$\begin{aligned} I_{283} \;=\; & (\mu_{30}^3\mu_{12}\mu_{08} - \mu_{30}^3\mu_{03}\mu_{17} - \mu_{30}^2\mu_{21}^2\mu_{08} - 5\mu_{30}^2\mu_{21}\mu_{12}\mu_{17} \\ & +7\mu_{30}^2\mu_{21}\mu_{03}\mu_{26} + 5\mu_{30}^2\mu_{12}^2\mu_{26} - 8\mu_{30}^2\mu_{12}\mu_{03}\mu_{35} + 2\mu_{30}^2\mu_{03}^2\mu_{44} \\ & +6\mu_{30}\mu_{21}^3\mu_{17} - 3\mu_{30}\mu_{21}^2\mu_{12}\mu_{26} - 13\mu_{30}\mu_{21}^2\mu_{03}\mu_{35} - 6\mu_{30}\mu_{21}\mu_{12}^2\mu_{35} \\ & +28\mu_{30}\mu_{21}\mu_{12}\mu_{03}\mu_{44} - 8\mu_{30}\mu_{21}\mu_{03}^2\mu_{53} + 3\mu_{30}\mu_{12}^3\mu_{44} - 13\mu_{30}\mu_{12}^2\mu_{03}\mu_{53} \\ & +7\mu_{30}\mu_{12}\mu_{03}^2\mu_{62} - \mu_{30}\mu_{03}^3\mu_{71} - 9\mu_{21}^4\mu_{26} + 27\mu_{21}^3\mu_{12}\mu_{35} + 3\mu_{21}^3\mu_{03}\mu_{44} \\ & -36\mu_{21}^2\mu_{12}^2\mu_{44} - 6\mu_{21}^2\mu_{12}\mu_{03}\mu_{53} + 5\mu_{21}^2\mu_{03}^2\mu_{62} + 27\mu_{21}\mu_{12}^3\mu_{53} \\ & -3\mu_{21}\mu_{12}^2\mu_{03}\mu_{62} - 5\mu_{21}\mu_{12}\mu_{03}^2\mu_{71} + \mu_{21}\mu_{03}^3\mu_{80} - 9\mu_{12}^4\mu_{62} + 6\mu_{12}^3\mu_{03}\mu_{71} \\ & -\mu_{12}^2\mu_{03}^2\mu_{80})/\mu_{00}^{15} \end{aligned}$$

weight=10

structure: 0,4,0,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 |



**Simultaneous invariants of the orders 4 and 8**

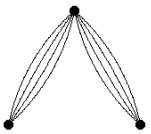
$$\begin{aligned} I_{284} \;=\; & (\mu_{40}^2\mu_{08} - 8\mu_{40}\mu_{31}\mu_{17} + 12\mu_{40}\mu_{22}\mu_{26} - 8\mu_{40}\mu_{13}\mu_{35} + 2\mu_{40}\mu_{04}\mu_{44} + 16\mu_{31}^2\mu_{26} \\ & -48\mu_{31}\mu_{22}\mu_{35} + 32\mu_{31}\mu_{13}\mu_{44} - 8\mu_{31}\mu_{04}\mu_{53} + 36\mu_{22}^2\mu_{44} - 48\mu_{22}\mu_{13}\mu_{53} \\ & +12\mu_{22}\mu_{04}\mu_{62} + 16\mu_{13}^2\mu_{62} - 8\mu_{13}\mu_{04}\mu_{71} + \mu_{04}^2\mu_{80})/\mu_{00}^{11} \end{aligned}$$

weight=8

structure: 0,0,2,0,0,0,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |



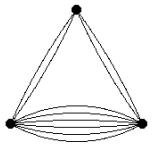
$$
\begin{aligned}
I_{285} \;=\; & (\mu_{40}\mu_{62}\mu_{08} - 6\mu_{40}\mu_{53}\mu_{17} + 15\mu_{40}\mu_{44}\mu_{26} - 10\mu_{40}\mu_{35}^2 - 2\mu_{31}\mu_{71}\mu_{08} \\
& +10\mu_{31}\mu_{62}\mu_{17} - 18\mu_{31}\mu_{53}\mu_{26} + 10\mu_{31}\mu_{44}\mu_{35} + \mu_{22}\mu_{80}\mu_{08} - 2\mu_{22}\mu_{71}\mu_{17} \\
& -8\mu_{22}\mu_{62}\mu_{26} + 34\mu_{22}\mu_{53}\mu_{35} - 25\mu_{22}\mu_{44}^2 - 2\mu_{13}\mu_{80}\mu_{17} + 10\mu_{13}\mu_{71}\mu_{26} \\
& -18\mu_{13}\mu_{62}\mu_{35} + 10\mu_{13}\mu_{53}\mu_{44} + \mu_{04}\mu_{80}\mu_{26} - 6\mu_{04}\mu_{71}\mu_{35} + 15\mu_{04}\mu_{62}\mu_{44} \\
& -10\mu_{04}\mu_{53}^2)/\mu_{00}^{13}
\end{aligned}
$$

weight=10

structure: 0,0,1,0,0,0,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |



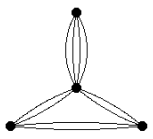
$$
\begin{aligned}
I_{286} \;=\; & (\mu_{40}^2\mu_{22}\mu_{08} - 2\mu_{40}^2\mu_{13}\mu_{17} + \mu_{40}^2\mu_{04}\mu_{26} - \mu_{40}\mu_{31}^2\mu_{08} - 2\mu_{40}\mu_{31}\mu_{22}\mu_{17} \\
& +10\mu_{40}\mu_{31}\mu_{13}\mu_{26} - 6\mu_{40}\mu_{31}\mu_{04}\mu_{35} + 3\mu_{40}\mu_{22}^2\mu_{26} - 14\mu_{40}\mu_{22}\mu_{13}\mu_{35} \\
& +8\mu_{40}\mu_{22}\mu_{04}\mu_{44} + 7\mu_{40}\mu_{13}^2\mu_{44} - 6\mu_{40}\mu_{13}\mu_{04}\mu_{53} + \mu_{40}\mu_{04}^2\mu_{62} + 4\mu_{31}^3\mu_{17} \\
& -14\mu_{31}^2\mu_{22}\mu_{26} - 4\mu_{31}^2\mu_{13}\mu_{35} + 7\mu_{31}^2\mu_{04}\mu_{44} + 24\mu_{31}\mu_{22}^2\mu_{35} - 4\mu_{31}\mu_{22}\mu_{13}\mu_{44} \\
& -14\mu_{31}\mu_{22}\mu_{04}\mu_{53} - 4\mu_{31}\mu_{13}^2\mu_{53} + 10\mu_{31}\mu_{13}\mu_{04}\mu_{62} - 2\mu_{31}\mu_{04}^2\mu_{71} - 18\mu_{22}^3\mu_{44} \\
& +24\mu_{22}^2\mu_{13}\mu_{53} + 3\mu_{22}^2\mu_{04}\mu_{62} - 14\mu_{22}\mu_{13}^2\mu_{62} - 2\mu_{22}\mu_{13}\mu_{04}\mu_{71} + \mu_{22}\mu_{04}^2\mu_{80} \\
& +4\mu_{13}^3\mu_{71} - \mu_{13}^2\mu_{04}\mu_{80})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,0,3,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |



**Simultaneous invariants of the orders 6 and 8**

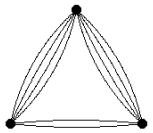
$$
\begin{aligned}
I_{287} \;=\; & (\mu_{60}\mu_{42}\mu_{08} - 4\mu_{60}\mu_{33}\mu_{17} + 6\mu_{60}\mu_{24}\mu_{26} - 4\mu_{60}\mu_{15}\mu_{35} + \mu_{60}\mu_{06}\mu_{44} \\
& -\mu_{51}^2\mu_{08} + 4\mu_{51}\mu_{42}\mu_{17} + 4\mu_{51}\mu_{33}\mu_{26} - 16\mu_{51}\mu_{24}\mu_{35} + 14\mu_{51}\mu_{15}\mu_{44} \\
& -4\mu_{51}\mu_{06}\mu_{53} - 10\mu_{42}^2\mu_{26} + 20\mu_{42}\mu_{33}\mu_{35} + 5\mu_{42}\mu_{24}\mu_{44} - 16\mu_{42}\mu_{15}\mu_{53} \\
& +6\mu_{42}\mu_{06}\mu_{62} - 20\mu_{33}^2\mu_{44} + 20\mu_{33}\mu_{24}\mu_{53} + 4\mu_{33}\mu_{15}\mu_{62} - 4\mu_{33}\mu_{06}\mu_{71} - 10\mu_{24}^2\mu_{62} \\
& +4\mu_{24}\mu_{15}\mu_{71} + \mu_{24}\mu_{06}\mu_{80} - \mu_{15}^2\mu_{80})/\mu_{00}^{13}
\end{aligned}
$$

weight=10

structure: 0,0,0,0,2,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |



**Simultaneous invariants of the orders 2, 3 and 8**

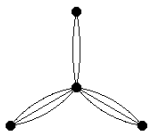
$$
\begin{aligned}
I_{288} \;=\; & (\mu_{20}\mu_{30}^2\mu_{08} - 6\mu_{20}\mu_{30}\mu_{21}\mu_{17} + 6\mu_{20}\mu_{30}\mu_{12}\mu_{26} - 2\mu_{20}\mu_{30}\mu_{03}\mu_{35} \\
& +9\mu_{20}\mu_{21}^2\mu_{26} - 18\mu_{20}\mu_{21}\mu_{12}\mu_{35} + 6\mu_{20}\mu_{21}\mu_{03}\mu_{44} + 9\mu_{20}\mu_{12}^2\mu_{44} \\
& -6\mu_{20}\mu_{12}\mu_{03}\mu_{53} + \mu_{20}\mu_{03}^2\mu_{62} - 2\mu_{11}\mu_{30}^2\mu_{17} + 12\mu_{11}\mu_{30}\mu_{21}\mu_{26} \\
& -12\mu_{11}\mu_{30}\mu_{12}\mu_{35} + 4\mu_{11}\mu_{30}\mu_{03}\mu_{44} - 18\mu_{11}\mu_{21}^2\mu_{35} + 36\mu_{11}\mu_{21}\mu_{12}\mu_{44} \\
& -12\mu_{11}\mu_{21}\mu_{03}\mu_{53} - 18\mu_{11}\mu_{12}^2\mu_{53} + 12\mu_{11}\mu_{12}\mu_{03}\mu_{62} - 2\mu_{11}\mu_{03}^2\mu_{71} \\
& +\mu_{02}\mu_{30}^2\mu_{26} - 6\mu_{02}\mu_{30}\mu_{21}\mu_{35} + 6\mu_{02}\mu_{30}\mu_{12}\mu_{44} - 2\mu_{02}\mu_{30}\mu_{03}\mu_{53} \\
& +9\mu_{02}\mu_{21}^2\mu_{44} - 18\mu_{02}\mu_{21}\mu_{12}\mu_{53} + 6\mu_{02}\mu_{21}\mu_{03}\mu_{62} + 9\mu_{02}\mu_{12}^2\mu_{62} \\
& -6\mu_{02}\mu_{12}\mu_{03}\mu_{71} + \mu_{02}\mu_{03}^2\mu_{80})/\mu_{00}^{12}
\end{aligned}
$$

weight=8

structure: 1,2,0,0,0,0,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 |



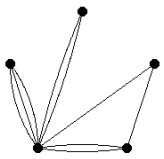
$$
\begin{aligned}
I_{289} \;=\; & (-\mu_{20}^2\mu_{30}\mu_{21}\mu_{08} + 2\mu_{20}^2\mu_{30}\mu_{12}\mu_{17} - \mu_{20}^2\mu_{30}\mu_{03}\mu_{26} + 3\mu_{20}^2\mu_{21}^2\mu_{17} \\
& -9\mu_{20}^2\mu_{21}\mu_{12}\mu_{26} + 4\mu_{20}^2\mu_{21}\mu_{03}\mu_{35} + 6\mu_{20}^2\mu_{12}^2\mu_{35} - 5\mu_{20}^2\mu_{12}\mu_{03}\mu_{44} \\
& +\mu_{20}^2\mu_{03}^2\mu_{53} + \mu_{20}\mu_{11}\mu_{30}^2\mu_{08} - 2\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{17} \\
& -2\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{26} + 2\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{35} - 3\mu_{20}\mu_{11}\mu_{21}^2\mu_{26} \\
& +18\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{35} - 10\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{44} - 15\mu_{20}\mu_{11}\mu_{12}^2\mu_{44} \\
& +14\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{53} - 3\mu_{20}\mu_{11}\mu_{03}^2\mu_{62} - \mu_{20}\mu_{02}\mu_{30}^2\mu_{17} \\
& +4\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{26} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{35} - 3\mu_{20}\mu_{02}\mu_{21}^2\mu_{35} \\
& +2\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{53} + 3\mu_{20}\mu_{02}\mu_{12}^2\mu_{53} - 4\mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{62} \\
& +\mu_{20}\mu_{02}\mu_{03}^2\mu_{71} - 2\mu_{11}^2\mu_{30}^2\mu_{17} + 8\mu_{11}^2\mu_{30}\mu_{21}\mu_{26} - 4\mu_{11}^2\mu_{30}\mu_{12}\mu_{35} \\
& -6\mu_{11}^2\mu_{21}^2\mu_{35} + 4\mu_{11}^2\mu_{21}\mu_{03}\mu_{53} + 6\mu_{11}^2\mu_{12}^2\mu_{53} - 8\mu_{11}^2\mu_{12}\mu_{03}\mu_{62} \\
& +2\mu_{11}^2\mu_{03}^2\mu_{71} + 3\mu_{11}\mu_{02}\mu_{30}^2\mu_{26} - 14\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{35} \\
& +10\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{44} - 2\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{53} + 15\mu_{11}\mu_{02}\mu_{21}^2\mu_{44} \\
& -18\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{53} + 2\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{62} + 3\mu_{11}\mu_{02}\mu_{12}^2\mu_{62} \\
& +2\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{71} - \mu_{11}\mu_{02}\mu_{03}^2\mu_{80} - \mu_{02}^2\mu_{30}^2\mu_{35} + 5\mu_{02}^2\mu_{30}\mu_{21}\mu_{44} \\
& -4\mu_{02}^2\mu_{30}\mu_{12}\mu_{53} + \mu_{02}^2\mu_{30}\mu_{03}\mu_{62} - 6\mu_{02}^2\mu_{21}^2\mu_{53} + 9\mu_{02}^2\mu_{21}\mu_{12}\mu_{62} \\
& -2\mu_{02}^2\mu_{21}\mu_{03}\mu_{71} - 3\mu_{02}^2\mu_{12}^2\mu_{71} + \mu_{02}^2\mu_{12}\mu_{03}\mu_{80})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 2,2,0,0,0,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 |



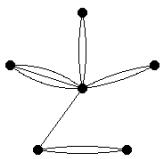
$$
\begin{aligned}
I_{290} \;=\; & (\mu_{20}^3\mu_{30}\mu_{12}\mu_{08} - \mu_{20}^3\mu_{30}\mu_{03}\mu_{17} - 3\mu_{20}^3\mu_{21}\mu_{12}\mu_{17} + 3\mu_{20}^3\mu_{21}\mu_{03}\mu_{26} \\
& +3\mu_{20}^3\mu_{12}^2\mu_{26} - 4\mu_{20}^3\mu_{12}\mu_{03}\mu_{35} + \mu_{20}^3\mu_{03}^2\mu_{44} - 2\mu_{20}^2\mu_{11}\mu_{30}\mu_{21}\mu_{08} \\
& -2\mu_{20}^2\mu_{11}\mu_{30}\mu_{12}\mu_{17} + 4\mu_{20}^2\mu_{11}\mu_{30}\mu_{03}\mu_{26} + 6\mu_{20}^2\mu_{11}\mu_{21}^2\mu_{17} \\
& -10\mu_{20}^2\mu_{11}\mu_{21}\mu_{03}\mu_{35} - 6\mu_{20}^2\mu_{11}\mu_{12}^2\mu_{35} + 14\mu_{20}^2\mu_{11}\mu_{12}\mu_{03}\mu_{44} \\
& -4\mu_{20}^2\mu_{11}\mu_{03}^2\mu_{53} + \mu_{20}^2\mu_{02}\mu_{30}^2\mu_{08} - 4\mu_{20}^2\mu_{02}\mu_{30}\mu_{21}\mu_{17} \\
& +5\mu_{20}^2\mu_{02}\mu_{30}\mu_{12}\mu_{26} - 3\mu_{20}^2\mu_{02}\mu_{30}\mu_{03}\mu_{35} + 3\mu_{20}^2\mu_{02}\mu_{21}^2\mu_{26} \\
& -9\mu_{20}^2\mu_{02}\mu_{21}\mu_{12}\mu_{35} + 7\mu_{20}^2\mu_{02}\mu_{21}\mu_{03}\mu_{44} + 6\mu_{20}^2\mu_{02}\mu_{12}^2\mu_{44} \\
& -8\mu_{20}^2\mu_{02}\mu_{12}\mu_{03}\mu_{53} + 2\mu_{20}^2\mu_{02}\mu_{03}^2\mu_{62} + 8\mu_{20}\mu_{11}^2\mu_{30}\mu_{21}\mu_{17} \\
& -4\mu_{20}\mu_{11}^2\mu_{30}\mu_{12}\mu_{26} - 4\mu_{20}\mu_{11}^2\mu_{30}\mu_{03}\mu_{35} - 24\mu_{20}\mu_{11}^2\mu_{21}^2\mu_{26} \\
& +36\mu_{20}\mu_{11}^2\mu_{21}\mu_{12}\mu_{35} + 4\mu_{20}\mu_{11}^2\mu_{21}\mu_{03}\mu_{44} - 12\mu_{20}\mu_{11}^2\mu_{12}^2\mu_{44} \\
& -8\mu_{20}\mu_{11}^2\mu_{12}\mu_{03}\mu_{53} + 4\mu_{20}\mu_{11}^2\mu_{03}^2\mu_{62} - 4\mu_{20}\mu_{11}\mu_{02}\mu_{30}^2\mu_{17} \\
& +12\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{26} - 12\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{35} \\
& +8\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{44} - 12\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{53} \\
& +12\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{62} - 4\mu_{20}\mu_{11}\mu_{02}\mu_{03}^2\mu_{71} + 2\mu_{20}\mu_{02}^2\mu_{30}^2\mu_{26} \\
& -8\mu_{20}\mu_{02}^2\mu_{30}\mu_{21}\mu_{35} + 7\mu_{20}\mu_{02}^2\mu_{30}\mu_{12}\mu_{44} - 3\mu_{20}\mu_{02}^2\mu_{30}\mu_{03}\mu_{53} \\
& +6\mu_{20}\mu_{02}^2\mu_{21}^2\mu_{44} - 9\mu_{20}\mu_{02}^2\mu_{21}\mu_{12}\mu_{53} + 5\mu_{20}\mu_{02}^2\mu_{21}\mu_{03}\mu_{62} \\
& +3\mu_{20}\mu_{02}^2\mu_{12}^2\mu_{62} - 4\mu_{20}\mu_{02}^2\mu_{12}\mu_{03}\mu_{71} + \mu_{20}\mu_{02}^2\mu_{03}^2\mu_{80} \\
& -8\mu_{11}^3\mu_{30}\mu_{21}\mu_{26} + 8\mu_{11}^3\mu_{30}\mu_{12}\mu_{35} + 24\mu_{11}^3\mu_{21}^2\mu_{35} - 48\mu_{11}^3\mu_{21}\mu_{12}\mu_{44} \\
& +8\mu_{11}^3\mu_{21}\mu_{03}\mu_{53} + 24\mu_{11}^3\mu_{12}^2\mu_{53} - 8\mu_{11}^3\mu_{12}\mu_{03}\mu_{62} + 4\mu_{11}^2\mu_{02}\mu_{30}^2\mu_{26} \\
& -8\mu_{11}^2\mu_{02}\mu_{30}\mu_{21}\mu_{35} + 4\mu_{11}^2\mu_{02}\mu_{30}\mu_{12}\mu_{44} - 4\mu_{11}^2\mu_{02}\mu_{30}\mu_{03}\mu_{53} \\
& -12\mu_{11}^2\mu_{02}\mu_{21}^2\mu_{44} + 36\mu_{11}^2\mu_{02}\mu_{21}\mu_{12}\mu_{53} - 4\mu_{11}^2\mu_{02}\mu_{21}\mu_{03}\mu_{62} \\
& -24\mu_{11}^2\mu_{02}\mu_{12}^2\mu_{62} + 8\mu_{11}^2\mu_{02}\mu_{12}\mu_{03}\mu_{71} - 4\mu_{11}\mu_{02}^2\mu_{30}^2\mu_{35} \\
& +14\mu_{11}\mu_{02}^2\mu_{30}\mu_{21}\mu_{44} - 10\mu_{11}\mu_{02}^2\mu_{30}\mu_{12}\mu_{53} + 4\mu_{11}\mu_{02}^2\mu_{30}\mu_{03}\mu_{62} \\
& -6\mu_{11}\mu_{02}^2\mu_{21}^2\mu_{53} - 2\mu_{11}\mu_{02}^2\mu_{21}\mu_{03}\mu_{71} + 6\mu_{11}\mu_{02}^2\mu_{12}^2\mu_{71} \\
& -2\mu_{11}\mu_{02}^2\mu_{12}\mu_{03}\mu_{80} + \mu_{02}^3\mu_{30}^2\mu_{44} - 4\mu_{02}^3\mu_{30}\mu_{21}\mu_{53} + 3\mu_{02}^3\mu_{30}\mu_{12}\mu_{62} \\
& -\mu_{02}^3\mu_{30}\mu_{03}\mu_{71} + 3\mu_{02}^3\mu_{21}^2\mu_{62} - 3\mu_{02}^3\mu_{21}\mu_{12}\mu_{71} + \mu_{02}^3\mu_{21}\mu_{03}\mu_{80})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 3,2,0,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |



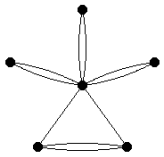
$$
\begin{aligned}
I_{291} \;=\; & (\mu_{20}^3\mu_{30}\mu_{12}\mu_{08} - \mu_{20}^3\mu_{30}\mu_{03}\mu_{17} - \mu_{20}^3\mu_{21}^2\mu_{08} + \mu_{20}^3\mu_{21}\mu_{12}\mu_{17} \\
& +\mu_{20}^3\mu_{21}\mu_{03}\mu_{26} - \mu_{20}^3\mu_{12}^2\mu_{26} - 6\mu_{20}^2\mu_{11}\mu_{30}\mu_{12}\mu_{17} \\
& +6\mu_{20}^2\mu_{11}\mu_{30}\mu_{03}\mu_{26} + 6\mu_{20}^2\mu_{11}\mu_{21}^2\mu_{17} - 6\mu_{20}^2\mu_{11}\mu_{21}\mu_{12}\mu_{26} \\
& -6\mu_{20}^2\mu_{11}\mu_{21}\mu_{03}\mu_{35} + 6\mu_{20}^2\mu_{11}\mu_{12}^2\mu_{35} + 3\mu_{20}^2\mu_{02}\mu_{30}\mu_{12}\mu_{26} \\
& -3\mu_{20}^2\mu_{02}\mu_{30}\mu_{03}\mu_{35} - 3\mu_{20}^2\mu_{02}\mu_{21}^2\mu_{26} + 3\mu_{20}^2\mu_{02}\mu_{21}\mu_{12}\mu_{35} \\
& +3\mu_{20}^2\mu_{02}\mu_{21}\mu_{03}\mu_{44} - 3\mu_{20}^2\mu_{02}\mu_{12}^2\mu_{44} + 12\mu_{20}\mu_{11}^2\mu_{30}\mu_{12}\mu_{26} \\
& -12\mu_{20}\mu_{11}^2\mu_{30}\mu_{03}\mu_{35} - 12\mu_{20}\mu_{11}^2\mu_{21}^2\mu_{26} + 12\mu_{20}\mu_{11}^2\mu_{21}\mu_{12}\mu_{35} \\
& +12\mu_{20}\mu_{11}^2\mu_{21}\mu_{03}\mu_{44} - 12\mu_{20}\mu_{11}^2\mu_{12}^2\mu_{44} - 12\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{35} \\
& +12\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{44} + 12\mu_{20}\mu_{11}\mu_{02}\mu_{21}^2\mu_{35} \\
& -12\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{44} - 12\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{53} \\
& +12\mu_{20}\mu_{11}\mu_{02}\mu_{12}^2\mu_{53} + 3\mu_{20}\mu_{02}^2\mu_{30}\mu_{12}\mu_{44} - 3\mu_{20}\mu_{02}^2\mu_{30}\mu_{03}\mu_{53} \\
& -3\mu_{20}\mu_{02}^2\mu_{21}^2\mu_{44} + 3\mu_{20}\mu_{02}^2\mu_{21}\mu_{12}\mu_{53} + 3\mu_{20}\mu_{02}^2\mu_{21}\mu_{03}\mu_{62} \\
& -3\mu_{20}\mu_{02}^2\mu_{12}^2\mu_{62} - 8\mu_{11}^3\mu_{30}\mu_{12}\mu_{35} + 8\mu_{11}^3\mu_{30}\mu_{03}\mu_{44} + 8\mu_{11}^3\mu_{21}^2\mu_{35} \\
& -8\mu_{11}^3\mu_{21}\mu_{12}\mu_{44} - 8\mu_{11}^3\mu_{21}\mu_{03}\mu_{53} + 8\mu_{11}^3\mu_{12}^2\mu_{53} + 12\mu_{11}^2\mu_{02}\mu_{30}\mu_{12}\mu_{44} \\
& -12\mu_{11}^2\mu_{02}\mu_{30}\mu_{03}\mu_{53} - 12\mu_{11}^2\mu_{02}\mu_{21}^2\mu_{44} + 12\mu_{11}^2\mu_{02}\mu_{21}\mu_{12}\mu_{53} \\
& +12\mu_{11}^2\mu_{02}\mu_{21}\mu_{03}\mu_{62} - 12\mu_{11}^2\mu_{02}\mu_{12}^2\mu_{62} - 6\mu_{11}\mu_{02}^2\mu_{30}\mu_{12}\mu_{53} \\
& +6\mu_{11}\mu_{02}^2\mu_{30}\mu_{03}\mu_{62} + 6\mu_{11}\mu_{02}^2\mu_{21}^2\mu_{53} - 6\mu_{11}\mu_{02}^2\mu_{21}\mu_{12}\mu_{62} \\
& -6\mu_{11}\mu_{02}^2\mu_{21}\mu_{03}\mu_{71} + 6\mu_{11}\mu_{02}^2\mu_{12}^2\mu_{71} + \mu_{02}^3\mu_{30}\mu_{12}\mu_{62} \\
& -\mu_{02}^3\mu_{30}\mu_{03}\mu_{71} - \mu_{02}^3\mu_{21}^2\mu_{62} + \mu_{02}^3\mu_{21}\mu_{12}\mu_{71} + \mu_{02}^3\mu_{21}\mu_{03}\mu_{80} \\
& -\mu_{02}^3\mu_{12}^2\mu_{80})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 3,2,0,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 6 |



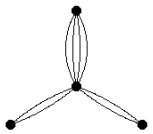
**Simultaneous invariants of the orders 2, 4 and 8**

$$
\begin{aligned}
I_{292} \;=\; & (\mu_{20}^2\mu_{40}\mu_{08} - 4\mu_{20}^2\mu_{31}\mu_{17} + 6\mu_{20}^2\mu_{22}\mu_{26} - 4\mu_{20}^2\mu_{13}\mu_{35} + \mu_{20}^2\mu_{04}\mu_{44} \\
& -4\mu_{20}\mu_{11}\mu_{40}\mu_{17} + 16\mu_{20}\mu_{11}\mu_{31}\mu_{26} - 24\mu_{20}\mu_{11}\mu_{22}\mu_{35} + 16\mu_{20}\mu_{11}\mu_{13}\mu_{44} \\
& -4\mu_{20}\mu_{11}\mu_{04}\mu_{53} + 2\mu_{20}\mu_{02}\mu_{40}\mu_{26} - 8\mu_{20}\mu_{02}\mu_{31}\mu_{35} + 12\mu_{20}\mu_{02}\mu_{22}\mu_{44} \\
& -8\mu_{20}\mu_{02}\mu_{13}\mu_{53} + 2\mu_{20}\mu_{02}\mu_{04}\mu_{62} + 4\mu_{11}^2\mu_{40}\mu_{26} - 16\mu_{11}^2\mu_{31}\mu_{35} \\
& +24\mu_{11}^2\mu_{22}\mu_{44} - 16\mu_{11}^2\mu_{13}\mu_{53} + 4\mu_{11}^2\mu_{04}\mu_{62} - 4\mu_{11}\mu_{02}\mu_{40}\mu_{35} \\
& +16\mu_{11}\mu_{02}\mu_{31}\mu_{44} - 24\mu_{11}\mu_{02}\mu_{22}\mu_{53} + 16\mu_{11}\mu_{02}\mu_{13}\mu_{62} - 4\mu_{11}\mu_{02}\mu_{04}\mu_{71} \\
& +\mu_{02}^2\mu_{40}\mu_{44} - 4\mu_{02}^2\mu_{31}\mu_{53} + 6\mu_{02}^2\mu_{22}\mu_{62} - 4\mu_{02}^2\mu_{13}\mu_{71} + \mu_{02}^2\mu_{04}\mu_{80})/\mu_{00}^{12}
\end{aligned}
$$

weight=8

structure: 2,0,1,0,0,0,1
Generating graph:

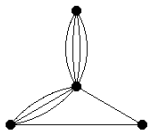
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 |



$$
\begin{aligned}
I_{293} \;=\; & (-\mu_{20}\mu_{40}\mu_{31}\mu_{08} + 3\mu_{20}\mu_{40}\mu_{22}\mu_{17} - 3\mu_{20}\mu_{40}\mu_{13}\mu_{26} + \mu_{20}\mu_{40}\mu_{04}\mu_{35} \\
& +4\mu_{20}\mu_{31}^2\mu_{17} - 18\mu_{20}\mu_{31}\mu_{22}\mu_{26} + 16\mu_{20}\mu_{31}\mu_{13}\mu_{35} - 5\mu_{20}\mu_{31}\mu_{04}\mu_{44} \\
& +18\mu_{20}\mu_{22}^2\mu_{35} - 30\mu_{20}\mu_{22}\mu_{13}\mu_{44} + 9\mu_{20}\mu_{22}\mu_{04}\mu_{53} + 12\mu_{20}\mu_{13}^2\mu_{53} \\
& -7\mu_{20}\mu_{13}\mu_{04}\mu_{62} + \mu_{20}\mu_{04}^2\mu_{71} + \mu_{11}\mu_{40}^2\mu_{08} - 6\mu_{11}\mu_{40}\mu_{31}\mu_{17} \\
& +6\mu_{11}\mu_{40}\mu_{22}\mu_{26} - 2\mu_{11}\mu_{40}\mu_{13}\mu_{35} + 8\mu_{11}\mu_{31}^2\mu_{26} - 12\mu_{11}\mu_{31}\mu_{22}\mu_{35} \\
& +2\mu_{11}\mu_{31}\mu_{04}\mu_{53} + 12\mu_{11}\mu_{22}\mu_{13}\mu_{53} - 6\mu_{11}\mu_{22}\mu_{04}\mu_{62} - 8\mu_{11}\mu_{13}^2\mu_{62} \\
& +6\mu_{11}\mu_{13}\mu_{04}\mu_{71} - \mu_{11}\mu_{04}^2\mu_{80} - \mu_{02}\mu_{40}^2\mu_{17} + 7\mu_{02}\mu_{40}\mu_{31}\mu_{26} \\
& -9\mu_{02}\mu_{40}\mu_{22}\mu_{35} + 5\mu_{02}\mu_{40}\mu_{13}\mu_{44} - \mu_{02}\mu_{40}\mu_{04}\mu_{53} - 12\mu_{02}\mu_{31}^2\mu_{35} \\
& +30\mu_{02}\mu_{31}\mu_{22}\mu_{44} - 16\mu_{02}\mu_{31}\mu_{13}\mu_{53} + 3\mu_{02}\mu_{31}\mu_{04}\mu_{62} - 18\mu_{02}\mu_{22}^2\mu_{53} \\
& +18\mu_{02}\mu_{22}\mu_{13}\mu_{62} - 3\mu_{02}\mu_{22}\mu_{04}\mu_{71} - 4\mu_{02}\mu_{13}^2\mu_{71} + \mu_{02}\mu_{13}\mu_{04}\mu_{80})/\mu_{00}^{13}
\end{aligned}
$$

weight=9
structure: 1,0,2,0,0,0,1
Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 |



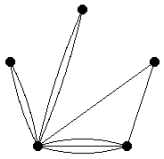
$$
\begin{aligned}
I_{294} \;=\; & (-\mu_{20}^3\mu_{31}\mu_{08} + 3\mu_{20}^3\mu_{22}\mu_{17} - 3\mu_{20}^3\mu_{13}\mu_{26} + \mu_{20}^3\mu_{04}\mu_{35} + \mu_{20}^2\mu_{11}\mu_{40}\mu_{08} \\
& +2\mu_{20}^2\mu_{11}\mu_{31}\mu_{17} - 12\mu_{20}^2\mu_{11}\mu_{22}\mu_{26} + 14\mu_{20}^2\mu_{11}\mu_{13}\mu_{35} - 5\mu_{20}^2\mu_{11}\mu_{04}\mu_{44} \\
& -\mu_{20}^2\mu_{02}\mu_{40}\mu_{17} + \mu_{20}^2\mu_{02}\mu_{31}\mu_{26} + 3\mu_{20}^2\mu_{02}\mu_{22}\mu_{35} - 5\mu_{20}^2\mu_{02}\mu_{13}\mu_{44} \\
& +2\mu_{20}^2\mu_{02}\mu_{04}\mu_{53} - 4\mu_{20}\mu_{11}^2\mu_{40}\mu_{17} + 4\mu_{20}\mu_{11}^2\mu_{31}\mu_{26} + 12\mu_{20}\mu_{11}^2\mu_{22}\mu_{35} \\
& -20\mu_{20}\mu_{11}^2\mu_{13}\mu_{44} + 8\mu_{20}\mu_{11}^2\mu_{04}\mu_{53} + 6\mu_{20}\mu_{11}\mu_{02}\mu_{40}\mu_{26} \\
& -12\mu_{20}\mu_{11}\mu_{02}\mu_{31}\mu_{35} + 12\mu_{20}\mu_{11}\mu_{02}\mu_{13}\mu_{53} - 6\mu_{20}\mu_{11}\mu_{02}\mu_{04}\mu_{62} \\
& -2\mu_{20}\mu_{02}^2\mu_{40}\mu_{35} + 5\mu_{20}\mu_{02}^2\mu_{31}\mu_{44} - 3\mu_{20}\mu_{02}^2\mu_{22}\mu_{53} - \mu_{20}\mu_{02}^2\mu_{13}\mu_{62} \\
& +\mu_{20}\mu_{02}^2\mu_{04}\mu_{71} + 4\mu_{11}^3\mu_{40}\mu_{26} - 8\mu_{11}^3\mu_{31}\mu_{35} + 8\mu_{11}^3\mu_{13}\mu_{53} - 4\mu_{11}^3\mu_{04}\mu_{62} \\
& -8\mu_{11}^2\mu_{02}\mu_{40}\mu_{35} + 20\mu_{11}^2\mu_{02}\mu_{31}\mu_{44} - 12\mu_{11}^2\mu_{02}\mu_{22}\mu_{53} - 4\mu_{11}^2\mu_{02}\mu_{13}\mu_{62} \\
& +4\mu_{11}^2\mu_{02}\mu_{04}\mu_{71} + 5\mu_{11}\mu_{02}^2\mu_{40}\mu_{44} - 14\mu_{11}\mu_{02}^2\mu_{31}\mu_{53} + 12\mu_{11}\mu_{02}^2\mu_{22}\mu_{62} \\
& -2\mu_{11}\mu_{02}^2\mu_{13}\mu_{71} - \mu_{11}\mu_{02}^2\mu_{04}\mu_{80} - \mu_{02}^3\mu_{40}\mu_{53} + 3\mu_{02}^3\mu_{31}\mu_{62} \\
& -3\mu_{02}^3\mu_{22}\mu_{71} + \mu_{02}^3\mu_{13}\mu_{80})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 3,0,1,0,0,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 |



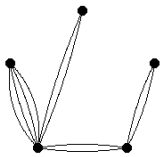
$$
\begin{aligned}
I_{295} \;=\; & (\mu_{20}^2\mu_{40}\mu_{22}\mu_{08} - 2\mu_{20}^2\mu_{40}\mu_{13}\mu_{17} + \mu_{20}^2\mu_{40}\mu_{04}\mu_{26} - 4\mu_{20}^2\mu_{31}\mu_{22}\mu_{17} \\
& +8\mu_{20}^2\mu_{31}\mu_{13}\mu_{26} - 4\mu_{20}^2\mu_{31}\mu_{04}\mu_{35} + 6\mu_{20}^2\mu_{22}^2\mu_{26} - 16\mu_{20}^2\mu_{22}\mu_{13}\mu_{35} \\
& +7\mu_{20}^2\mu_{22}\mu_{04}\mu_{44} + 8\mu_{20}^2\mu_{13}^2\mu_{44} - 6\mu_{20}^2\mu_{13}\mu_{04}\mu_{53} + \mu_{20}^2\mu_{04}^2\mu_{62} \\
& -2\mu_{20}\mu_{11}\mu_{40}\mu_{31}\mu_{08} + 2\mu_{20}\mu_{11}\mu_{40}\mu_{22}\mu_{17} + 2\mu_{20}\mu_{11}\mu_{40}\mu_{13}\mu_{26} \\
& -2\mu_{20}\mu_{11}\mu_{40}\mu_{04}\mu_{35} + 8\mu_{20}\mu_{11}\mu_{31}^2\mu_{17} - 20\mu_{20}\mu_{11}\mu_{31}\mu_{22}\mu_{26} \\
& +6\mu_{20}\mu_{11}\mu_{31}\mu_{04}\mu_{44} + 12\mu_{20}\mu_{11}\mu_{22}^2\mu_{35} + 4\mu_{20}\mu_{11}\mu_{22}\mu_{13}\mu_{44} \\
& -10\mu_{20}\mu_{11}\mu_{22}\mu_{04}\mu_{53} - 8\mu_{20}\mu_{11}\mu_{13}^2\mu_{53} + 10\mu_{20}\mu_{11}\mu_{13}\mu_{04}\mu_{62} \\
& -2\mu_{20}\mu_{11}\mu_{04}^2\mu_{71} + \mu_{20}\mu_{02}\mu_{40}^2\mu_{08} - 6\mu_{20}\mu_{02}\mu_{40}\mu_{31}\mu_{17} \\
& +8\mu_{20}\mu_{02}\mu_{40}\mu_{22}\mu_{26} - 6\mu_{20}\mu_{02}\mu_{40}\mu_{13}\mu_{35} + 2\mu_{20}\mu_{02}\mu_{40}\mu_{04}\mu_{44} \\
& +8\mu_{20}\mu_{02}\mu_{31}^2\mu_{26} - 20\mu_{20}\mu_{02}\mu_{31}\mu_{22}\mu_{35} + 16\mu_{20}\mu_{02}\mu_{31}\mu_{13}\mu_{44} \\
& -6\mu_{20}\mu_{02}\mu_{31}\mu_{04}\mu_{53} + 12\mu_{20}\mu_{02}\mu_{22}^2\mu_{44} - 20\mu_{20}\mu_{02}\mu_{22}\mu_{13}\mu_{53} \\
& +8\mu_{20}\mu_{02}\mu_{22}\mu_{04}\mu_{62} + 8\mu_{20}\mu_{02}\mu_{13}^2\mu_{62} - 6\mu_{20}\mu_{02}\mu_{13}\mu_{04}\mu_{71} \\
& +\mu_{20}\mu_{02}\mu_{04}^2\mu_{80} + 4\mu_{11}^2\mu_{40}\mu_{31}\mu_{17} - 8\mu_{11}^2\mu_{40}\mu_{22}\mu_{26} + 4\mu_{11}^2\mu_{40}\mu_{13}\mu_{35} \\
& -16\mu_{11}^2\mu_{31}^2\mu_{26} + 56\mu_{11}^2\mu_{31}\mu_{22}\mu_{35} - 32\mu_{11}^2\mu_{31}\mu_{13}\mu_{44} + 4\mu_{11}^2\mu_{31}\mu_{04}\mu_{53} \\
& -48\mu_{11}^2\mu_{22}^2\mu_{44} + 56\mu_{11}^2\mu_{22}\mu_{13}\mu_{53} - 8\mu_{11}^2\mu_{22}\mu_{04}\mu_{62} - 16\mu_{11}^2\mu_{13}^2\mu_{62} \\
& +4\mu_{11}^2\mu_{13}\mu_{04}\mu_{71} - 2\mu_{11}\mu_{02}\mu_{40}^2\mu_{17} + 10\mu_{11}\mu_{02}\mu_{40}\mu_{31}\mu_{26} \\
& -10\mu_{11}\mu_{02}\mu_{40}\mu_{22}\mu_{35} + 6\mu_{11}\mu_{02}\mu_{40}\mu_{13}\mu_{44} - 2\mu_{11}\mu_{02}\mu_{40}\mu_{04}\mu_{53} \\
& -8\mu_{11}\mu_{02}\mu_{31}^2\mu_{35} + 4\mu_{11}\mu_{02}\mu_{31}\mu_{22}\mu_{44} + 2\mu_{11}\mu_{02}\mu_{31}\mu_{04}\mu_{62} \\
& +12\mu_{11}\mu_{02}\mu_{22}^2\mu_{53} - 20\mu_{11}\mu_{02}\mu_{22}\mu_{13}\mu_{62} + 2\mu_{11}\mu_{02}\mu_{22}\mu_{04}\mu_{71} \\
& +8\mu_{11}\mu_{02}\mu_{13}^2\mu_{71} - 2\mu_{11}\mu_{02}\mu_{13}\mu_{04}\mu_{80} + \mu_{02}^2\mu_{40}^2\mu_{26} - 6\mu_{02}^2\mu_{40}\mu_{31}\mu_{35} \\
& +7\mu_{02}^2\mu_{40}\mu_{22}\mu_{44} - 4\mu_{02}^2\mu_{40}\mu_{13}\mu_{53} + \mu_{02}^2\mu_{40}\mu_{04}\mu_{62} + 8\mu_{02}^2\mu_{31}^2\mu_{44} \\
& -16\mu_{02}^2\mu_{31}\mu_{22}\mu_{53} + 8\mu_{02}^2\mu_{31}\mu_{13}\mu_{62} - 2\mu_{02}^2\mu_{31}\mu_{04}\mu_{71} + 6\mu_{02}^2\mu_{22}^2\mu_{62} \\
& -4\mu_{02}^2\mu_{22}\mu_{13}\mu_{71} + \mu_{02}^2\mu_{22}\mu_{04}\mu_{80})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 2,0,2,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5 |



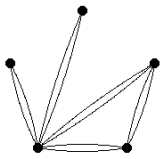
$$
\begin{aligned}
I_{296} \;=\; & (\mu_{20}^2\mu_{40}\mu_{22}\mu_{08} - 2\mu_{20}^2\mu_{40}\mu_{13}\mu_{17} + \mu_{20}^2\mu_{40}\mu_{04}\mu_{26} - \mu_{20}^2\mu_{31}^2\mu_{08} \\
& +2\mu_{20}^2\mu_{31}\mu_{22}\mu_{17} + 2\mu_{20}^2\mu_{31}\mu_{13}\mu_{26} - 2\mu_{20}^2\mu_{31}\mu_{04}\mu_{35} - 3\mu_{20}^2\mu_{22}^2\mu_{26} \\
& +2\mu_{20}^2\mu_{22}\mu_{13}\mu_{35} + \mu_{20}^2\mu_{22}\mu_{04}\mu_{44} - \mu_{20}^2\mu_{13}^2\mu_{44} - 4\mu_{20}\mu_{11}\mu_{40}\mu_{22}\mu_{17} \\
& +8\mu_{20}\mu_{11}\mu_{40}\mu_{13}\mu_{26} - 4\mu_{20}\mu_{11}\mu_{40}\mu_{04}\mu_{35} + 4\mu_{20}\mu_{11}\mu_{31}^2\mu_{17} \\
& -8\mu_{20}\mu_{11}\mu_{31}\mu_{22}\mu_{26} - 8\mu_{20}\mu_{11}\mu_{31}\mu_{13}\mu_{35} + 8\mu_{20}\mu_{11}\mu_{31}\mu_{04}\mu_{44} \\
& +12\mu_{20}\mu_{11}\mu_{22}^2\mu_{35} - 8\mu_{20}\mu_{11}\mu_{22}\mu_{13}\mu_{44} - 4\mu_{20}\mu_{11}\mu_{22}\mu_{04}\mu_{53} \\
& +4\mu_{20}\mu_{11}\mu_{13}^2\mu_{53} + 2\mu_{20}\mu_{02}\mu_{40}\mu_{22}\mu_{26} - 4\mu_{20}\mu_{02}\mu_{40}\mu_{13}\mu_{35} \\
& +2\mu_{20}\mu_{02}\mu_{40}\mu_{04}\mu_{44} - 2\mu_{20}\mu_{02}\mu_{31}^2\mu_{26} + 4\mu_{20}\mu_{02}\mu_{31}\mu_{22}\mu_{35} \\
& +4\mu_{20}\mu_{02}\mu_{31}\mu_{13}\mu_{44} - 4\mu_{20}\mu_{02}\mu_{31}\mu_{04}\mu_{53} - 6\mu_{20}\mu_{02}\mu_{22}^2\mu_{44} \\
& +4\mu_{20}\mu_{02}\mu_{22}\mu_{13}\mu_{53} + 2\mu_{20}\mu_{02}\mu_{22}\mu_{04}\mu_{62} - 2\mu_{20}\mu_{02}\mu_{13}^2\mu_{62} \\
& +4\mu_{11}^2\mu_{40}\mu_{22}\mu_{26} - 8\mu_{11}^2\mu_{40}\mu_{13}\mu_{35} + 4\mu_{11}^2\mu_{40}\mu_{04}\mu_{44} - 4\mu_{11}^2\mu_{31}^2\mu_{26} \\
& +8\mu_{11}^2\mu_{31}\mu_{22}\mu_{35} + 8\mu_{11}^2\mu_{31}\mu_{13}\mu_{44} - 8\mu_{11}^2\mu_{31}\mu_{04}\mu_{53} - 12\mu_{11}^2\mu_{22}^2\mu_{44} \\
& +8\mu_{11}^2\mu_{22}\mu_{13}\mu_{53} + 4\mu_{11}^2\mu_{22}\mu_{04}\mu_{62} - 4\mu_{11}^2\mu_{13}^2\mu_{62} - 4\mu_{11}\mu_{02}\mu_{40}\mu_{22}\mu_{35} \\
& +8\mu_{11}\mu_{02}\mu_{40}\mu_{13}\mu_{44} - 4\mu_{11}\mu_{02}\mu_{40}\mu_{04}\mu_{53} + 4\mu_{11}\mu_{02}\mu_{31}^2\mu_{35} \\
& -8\mu_{11}\mu_{02}\mu_{31}\mu_{22}\mu_{44} - 8\mu_{11}\mu_{02}\mu_{31}\mu_{13}\mu_{53} + 8\mu_{11}\mu_{02}\mu_{31}\mu_{04}\mu_{62} \\
& +12\mu_{11}\mu_{02}\mu_{22}^2\mu_{53} - 8\mu_{11}\mu_{02}\mu_{22}\mu_{13}\mu_{62} - 4\mu_{11}\mu_{02}\mu_{22}\mu_{04}\mu_{71} \\
& +4\mu_{11}\mu_{02}\mu_{13}^2\mu_{71} + \mu_{02}^2\mu_{40}\mu_{22}\mu_{44} - 2\mu_{02}^2\mu_{40}\mu_{13}\mu_{53} + \mu_{02}^2\mu_{40}\mu_{04}\mu_{62} \\
& -\mu_{02}^2\mu_{31}^2\mu_{44} + 2\mu_{02}^2\mu_{31}\mu_{22}\mu_{53} + 2\mu_{02}^2\mu_{31}\mu_{13}\mu_{62} - 2\mu_{02}^2\mu_{31}\mu_{04}\mu_{71} \\
& -3\mu_{02}^2\mu_{22}^2\mu_{62} + 2\mu_{02}^2\mu_{22}\mu_{13}\mu_{71} + \mu_{02}^2\mu_{22}\mu_{04}\mu_{80} - \mu_{02}^2\mu_{13}^2\mu_{80})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 2,0,2,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 5 |



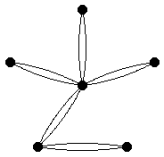
$$
\begin{aligned}
I_{297} \;=\; & (\mu_{20}^4\mu_{22}\mu_{08} - 2\mu_{20}^4\mu_{13}\mu_{17} + \mu_{20}^4\mu_{04}\mu_{26} - 2\mu_{20}^3\mu_{11}\mu_{31}\mu_{08} \\
& -2\mu_{20}^3\mu_{11}\mu_{22}\mu_{17} + 10\mu_{20}^3\mu_{11}\mu_{13}\mu_{26} - 6\mu_{20}^3\mu_{11}\mu_{04}\mu_{35} + \mu_{20}^3\mu_{02}\mu_{40}\mu_{08} \\
& -2\mu_{20}^3\mu_{02}\mu_{31}\mu_{17} + 4\mu_{20}^3\mu_{02}\mu_{22}\mu_{26} - 6\mu_{20}^3\mu_{02}\mu_{13}\mu_{35} + 3\mu_{20}^3\mu_{02}\mu_{04}\mu_{44} \\
& +12\mu_{20}^2\mu_{11}^2\mu_{31}\mu_{17} - 12\mu_{20}^2\mu_{11}^2\mu_{22}\mu_{26} - 12\mu_{20}^2\mu_{11}^2\mu_{13}\mu_{35} + 12\mu_{20}^2\mu_{11}^2\mu_{04}\mu_{44} \\
& -6\mu_{20}^2\mu_{11}\mu_{02}\mu_{40}\mu_{17} + 6\mu_{20}^2\mu_{11}\mu_{02}\mu_{31}\mu_{26} - 6\mu_{20}^2\mu_{11}\mu_{02}\mu_{22}\mu_{35} \\
& +18\mu_{20}^2\mu_{11}\mu_{02}\mu_{13}\mu_{44} - 12\mu_{20}^2\mu_{11}\mu_{02}\mu_{04}\mu_{53} + 3\mu_{20}^2\mu_{02}^2\mu_{40}\mu_{26} \\
& -6\mu_{20}^2\mu_{02}^2\mu_{31}\mu_{35} + 6\mu_{20}^2\mu_{02}^2\mu_{22}\mu_{44} - 6\mu_{20}^2\mu_{02}^2\mu_{13}\mu_{53} + 3\mu_{20}^2\mu_{02}^2\mu_{04}\mu_{62} \\
& -24\mu_{20}\mu_{11}^3\mu_{31}\mu_{26} + 40\mu_{20}\mu_{11}^3\mu_{22}\mu_{35} - 8\mu_{20}\mu_{11}^3\mu_{13}\mu_{44} - 8\mu_{20}\mu_{11}^3\mu_{04}\mu_{53} \\
& +12\mu_{20}\mu_{11}^2\mu_{02}\mu_{40}\mu_{26} - 24\mu_{20}\mu_{11}^2\mu_{02}\mu_{22}\mu_{44} + 12\mu_{20}\mu_{11}^2\mu_{02}\mu_{04}\mu_{62} \\
& -12\mu_{20}\mu_{11}\mu_{02}^2\mu_{40}\mu_{35} + 18\mu_{20}\mu_{11}\mu_{02}^2\mu_{31}\mu_{44} - 6\mu_{20}\mu_{11}\mu_{02}^2\mu_{22}\mu_{53} \\
& +6\mu_{20}\mu_{11}\mu_{02}^2\mu_{13}\mu_{62} - 6\mu_{20}\mu_{11}\mu_{02}^2\mu_{04}\mu_{71} + 3\mu_{20}\mu_{02}^3\mu_{40}\mu_{44} \\
& -6\mu_{20}\mu_{02}^3\mu_{31}\mu_{53} + 4\mu_{20}\mu_{02}^3\mu_{22}\mu_{62} - 2\mu_{20}\mu_{02}^3\mu_{13}\mu_{71} + \mu_{20}\mu_{02}^3\mu_{04}\mu_{80} \\
& +16\mu_{11}^4\mu_{31}\mu_{35} - 32\mu_{11}^4\mu_{22}\mu_{44} + 16\mu_{11}^4\mu_{13}\mu_{53} - 8\mu_{11}^3\mu_{02}\mu_{40}\mu_{35} \\
& -8\mu_{11}^3\mu_{02}\mu_{31}\mu_{44} + 40\mu_{11}^3\mu_{02}\mu_{22}\mu_{53} - 24\mu_{11}^3\mu_{02}\mu_{13}\mu_{62} + 12\mu_{11}^2\mu_{02}^2\mu_{40}\mu_{44} \\
& -12\mu_{11}^2\mu_{02}^2\mu_{31}\mu_{53} - 12\mu_{11}^2\mu_{02}^2\mu_{22}\mu_{62} + 12\mu_{11}^2\mu_{02}^2\mu_{13}\mu_{71} - 6\mu_{11}\mu_{02}^3\mu_{40}\mu_{53} \\
& +10\mu_{11}\mu_{02}^3\mu_{31}\mu_{62} - 2\mu_{11}\mu_{02}^3\mu_{22}\mu_{71} - 2\mu_{11}\mu_{02}^3\mu_{13}\mu_{80} + \mu_{02}^4\mu_{40}\mu_{62} \\
& -2\mu_{02}^4\mu_{31}\mu_{71} + \mu_{02}^4\mu_{22}\mu_{80})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 4,0,1,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |



**Simultaneous invariants of the orders 3, 4 and 8**

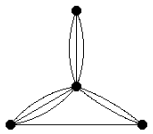
$$
\begin{aligned}
I_{298} \;=\; & (-\mu_{30}^2\mu_{31}\mu_{08} + 3\mu_{30}^2\mu_{22}\mu_{17} - 3\mu_{30}^2\mu_{13}\mu_{26} + \mu_{30}^2\mu_{04}\mu_{35} + \mu_{30}\mu_{21}\mu_{40}\mu_{08} \\
& +2\mu_{30}\mu_{21}\mu_{31}\mu_{17} - 12\mu_{30}\mu_{21}\mu_{22}\mu_{26} + 14\mu_{30}\mu_{21}\mu_{13}\mu_{35} - 5\mu_{30}\mu_{21}\mu_{04}\mu_{44} \\
& -2\mu_{30}\mu_{12}\mu_{40}\mu_{17} + 2\mu_{30}\mu_{12}\mu_{31}\mu_{26} + 6\mu_{30}\mu_{12}\mu_{22}\mu_{35} - 10\mu_{30}\mu_{12}\mu_{13}\mu_{44} \\
& +4\mu_{30}\mu_{12}\mu_{04}\mu_{53} + \mu_{30}\mu_{03}\mu_{40}\mu_{26} - 2\mu_{30}\mu_{03}\mu_{31}\mu_{35} + 2\mu_{30}\mu_{03}\mu_{13}\mu_{53} \\
& -\mu_{30}\mu_{03}\mu_{04}\mu_{62} - 3\mu_{21}^2\mu_{40}\mu_{17} + 3\mu_{21}^2\mu_{31}\mu_{26} + 9\mu_{21}^2\mu_{22}\mu_{35} - 15\mu_{21}^2\mu_{13}\mu_{44} \\
& +6\mu_{21}^2\mu_{04}\mu_{53} + 9\mu_{21}\mu_{12}\mu_{40}\mu_{26} - 18\mu_{21}\mu_{12}\mu_{31}\mu_{35} + 18\mu_{21}\mu_{12}\mu_{13}\mu_{53} \\
& -9\mu_{21}\mu_{12}\mu_{04}\mu_{62} - 4\mu_{21}\mu_{03}\mu_{40}\mu_{35} + 10\mu_{21}\mu_{03}\mu_{31}\mu_{44} - 6\mu_{21}\mu_{03}\mu_{22}\mu_{53} \\
& -2\mu_{21}\mu_{03}\mu_{13}\mu_{62} + 2\mu_{21}\mu_{03}\mu_{04}\mu_{71} - 6\mu_{12}^2\mu_{40}\mu_{35} + 15\mu_{12}^2\mu_{31}\mu_{44} \\
& -9\mu_{12}^2\mu_{22}\mu_{53} - 3\mu_{12}^2\mu_{13}\mu_{62} + 3\mu_{12}^2\mu_{04}\mu_{71} + 5\mu_{12}\mu_{03}\mu_{40}\mu_{44} \\
& -14\mu_{12}\mu_{03}\mu_{31}\mu_{53} + 12\mu_{12}\mu_{03}\mu_{22}\mu_{62} - 2\mu_{12}\mu_{03}\mu_{13}\mu_{71} - \mu_{12}\mu_{03}\mu_{04}\mu_{80} \\
& -\mu_{03}^2\mu_{40}\mu_{53} + 3\mu_{03}^2\mu_{31}\mu_{62} - 3\mu_{03}^2\mu_{22}\mu_{71} + \mu_{03}^2\mu_{13}\mu_{80})/\mu_{00}^{13}
\end{aligned}
$$

weight=9

structure: 0,2,1,0,0,0,1

Generating graph:

$$\begin{array}{cccccccccc} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 2 \\ 2 & 2 & 2 & 3 & 3 & 3 & 4 & 4 & 4 \end{array}$$



**Simultaneous invariants of the orders 2, 5 and 8**

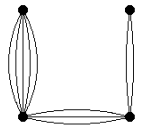
$$\begin{aligned} I_{299} \;=\; & (\mu_{20}\mu_{50}\mu_{32}\mu_{08} - 3\mu_{20}\mu_{50}\mu_{23}\mu_{17} + 3\mu_{20}\mu_{50}\mu_{14}\mu_{26} - \mu_{20}\mu_{50}\mu_{05}\mu_{35} \\ & -5\mu_{20}\mu_{41}\mu_{32}\mu_{17} + 15\mu_{20}\mu_{41}\mu_{23}\mu_{26} - 15\mu_{20}\mu_{41}\mu_{14}\mu_{35} + 5\mu_{20}\mu_{41}\mu_{05}\mu_{44} \\ & +10\mu_{20}\mu_{32}^2\mu_{26} - 40\mu_{20}\mu_{32}\mu_{23}\mu_{35} + 35\mu_{20}\mu_{32}\mu_{14}\mu_{44} - 11\mu_{20}\mu_{32}\mu_{05}\mu_{53} \\ & +30\mu_{20}\mu_{23}^2\mu_{44} - 45\mu_{20}\mu_{23}\mu_{14}\mu_{53} + 13\mu_{20}\mu_{23}\mu_{05}\mu_{62} + 15\mu_{20}\mu_{14}^2\mu_{62} \\ & -8\mu_{20}\mu_{14}\mu_{05}\mu_{71} + \mu_{20}\mu_{05}^2\mu_{80} - 2\mu_{11}\mu_{50}\mu_{41}\mu_{08} + 6\mu_{11}\mu_{50}\mu_{32}\mu_{17} \\ & -6\mu_{11}\mu_{50}\mu_{23}\mu_{26} + 2\mu_{11}\mu_{50}\mu_{14}\mu_{35} + 10\mu_{11}\mu_{41}^2\mu_{17} - 50\mu_{11}\mu_{41}\mu_{32}\mu_{26} \\ & +50\mu_{11}\mu_{41}\mu_{23}\mu_{35} - 20\mu_{11}\mu_{41}\mu_{14}\mu_{44} + 2\mu_{11}\mu_{41}\mu_{05}\mu_{53} + 60\mu_{11}\mu_{32}^2\mu_{35} \\ & -120\mu_{11}\mu_{32}\mu_{23}\mu_{44} + 50\mu_{11}\mu_{32}\mu_{14}\mu_{53} - 6\mu_{11}\mu_{32}\mu_{05}\mu_{62} + 60\mu_{11}\mu_{23}^2\mu_{53} \\ & -50\mu_{11}\mu_{23}\mu_{14}\mu_{62} + 6\mu_{11}\mu_{23}\mu_{05}\mu_{71} + 10\mu_{11}\mu_{14}^2\mu_{71} - 2\mu_{11}\mu_{14}\mu_{05}\mu_{80} \\ & +\mu_{02}\mu_{50}^2\mu_{08} - 8\mu_{02}\mu_{50}\mu_{41}\mu_{17} + 13\mu_{02}\mu_{50}\mu_{32}\mu_{26} - 11\mu_{02}\mu_{50}\mu_{23}\mu_{35} \\ & +5\mu_{02}\mu_{50}\mu_{14}\mu_{44} - \mu_{02}\mu_{50}\mu_{05}\mu_{53} + 15\mu_{02}\mu_{41}^2\mu_{26} - 45\mu_{02}\mu_{41}\mu_{32}\mu_{35} \\ & +35\mu_{02}\mu_{41}\mu_{23}\mu_{44} - 15\mu_{02}\mu_{41}\mu_{14}\mu_{53} + 3\mu_{02}\mu_{41}\mu_{05}\mu_{62} + 30\mu_{02}\mu_{32}^2\mu_{44} \\ & -40\mu_{02}\mu_{32}\mu_{23}\mu_{53} + 15\mu_{02}\mu_{32}\mu_{14}\mu_{62} - 3\mu_{02}\mu_{32}\mu_{05}\mu_{71} + 10\mu_{02}\mu_{23}^2\mu_{62} \\ & -5\mu_{02}\mu_{23}\mu_{14}\mu_{71} + \mu_{02}\mu_{23}\mu_{05}\mu_{80})/\mu_{00}^{14} \end{aligned}$$

weight=10

structure: 1,0,0,2,0,0,1

Generating graph:

$$\begin{array}{cccccccccc} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 2 & 2 \\ 2 & 2 & 2 & 3 & 3 & 3 & 3 & 3 & 4 & 4 \end{array}$$



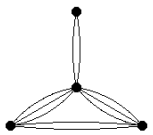
$$
\begin{aligned}
I_{300} \;=\; & (\mu_{20}\mu_{50}\mu_{32}\mu_{08} - 3\mu_{20}\mu_{50}\mu_{23}\mu_{17} + 3\mu_{20}\mu_{50}\mu_{14}\mu_{26} - \mu_{20}\mu_{50}\mu_{05}\mu_{35} \\
& -\mu_{20}\mu_{41}^2\mu_{08} + 3\mu_{20}\mu_{41}\mu_{32}\mu_{17} + 3\mu_{20}\mu_{41}\mu_{23}\mu_{26} - 7\mu_{20}\mu_{41}\mu_{14}\mu_{35} \\
& +3\mu_{20}\mu_{41}\mu_{05}\mu_{44} - 6\mu_{20}\mu_{32}^2\mu_{26} + 8\mu_{20}\mu_{32}\mu_{23}\mu_{35} + 3\mu_{20}\mu_{32}\mu_{14}\mu_{44} \\
& -3\mu_{20}\mu_{32}\mu_{05}\mu_{53} - 6\mu_{20}\mu_{23}^2\mu_{44} + 3\mu_{20}\mu_{23}\mu_{14}\mu_{53} + \mu_{20}\mu_{23}\mu_{05}\mu_{62} \\
& -\mu_{20}\mu_{14}^2\mu_{62} - 2\mu_{11}\mu_{50}\mu_{32}\mu_{17} + 6\mu_{11}\mu_{50}\mu_{23}\mu_{26} - 6\mu_{11}\mu_{50}\mu_{14}\mu_{35} \\
& +2\mu_{11}\mu_{50}\mu_{05}\mu_{44} + 2\mu_{11}\mu_{41}^2\mu_{17} - 6\mu_{11}\mu_{41}\mu_{32}\mu_{26} - 6\mu_{11}\mu_{41}\mu_{23}\mu_{35} \\
& +14\mu_{11}\mu_{41}\mu_{14}\mu_{44} - 6\mu_{11}\mu_{41}\mu_{05}\mu_{53} + 12\mu_{11}\mu_{32}^2\mu_{35} - 16\mu_{11}\mu_{32}\mu_{23}\mu_{44} \\
& -6\mu_{11}\mu_{32}\mu_{14}\mu_{53} + 6\mu_{11}\mu_{32}\mu_{05}\mu_{62} + 12\mu_{11}\mu_{23}^2\mu_{53} - 6\mu_{11}\mu_{23}\mu_{14}\mu_{62} \\
& -2\mu_{11}\mu_{23}\mu_{05}\mu_{71} + 2\mu_{11}\mu_{14}^2\mu_{71} + \mu_{02}\mu_{50}\mu_{32}\mu_{26} - 3\mu_{02}\mu_{50}\mu_{23}\mu_{35} \\
& +3\mu_{02}\mu_{50}\mu_{14}\mu_{44} - \mu_{02}\mu_{50}\mu_{05}\mu_{53} - \mu_{02}\mu_{41}^2\mu_{26} + 3\mu_{02}\mu_{41}\mu_{32}\mu_{35} \\
& +3\mu_{02}\mu_{41}\mu_{23}\mu_{44} - 7\mu_{02}\mu_{41}\mu_{14}\mu_{53} + 3\mu_{02}\mu_{41}\mu_{05}\mu_{62} - 6\mu_{02}\mu_{32}^2\mu_{44} \\
& +8\mu_{02}\mu_{32}\mu_{23}\mu_{53} + 3\mu_{02}\mu_{32}\mu_{14}\mu_{62} - 3\mu_{02}\mu_{32}\mu_{05}\mu_{71} - 6\mu_{02}\mu_{23}^2\mu_{62} \\
& +3\mu_{02}\mu_{23}\mu_{14}\mu_{71} + \mu_{02}\mu_{23}\mu_{05}\mu_{80} - \mu_{02}\mu_{14}^2\mu_{80})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 1,0,0,2,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 |



**Simultaneous invariants of the orders 3, 5 and 8**

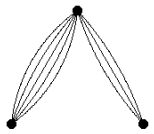
$$
\begin{aligned}
I_{301} \;=\; & (\mu_{30}\mu_{50}\mu_{08} - 5\mu_{30}\mu_{41}\mu_{17} + 10\mu_{30}\mu_{32}\mu_{26} - 10\mu_{30}\mu_{23}\mu_{35} + 5\mu_{30}\mu_{14}\mu_{44} \\
& -\mu_{30}\mu_{05}\mu_{53} - 3\mu_{21}\mu_{50}\mu_{17} + 15\mu_{21}\mu_{41}\mu_{26} - 30\mu_{21}\mu_{32}\mu_{35} + 30\mu_{21}\mu_{23}\mu_{44} \\
& -15\mu_{21}\mu_{14}\mu_{53} + 3\mu_{21}\mu_{05}\mu_{62} + 3\mu_{12}\mu_{50}\mu_{26} - 15\mu_{12}\mu_{41}\mu_{35} + 30\mu_{12}\mu_{32}\mu_{44} \\
& -30\mu_{12}\mu_{23}\mu_{53} + 15\mu_{12}\mu_{14}\mu_{62} - 3\mu_{12}\mu_{05}\mu_{71} - \mu_{03}\mu_{50}\mu_{35} + 5\mu_{03}\mu_{41}\mu_{44} \\
& -10\mu_{03}\mu_{32}\mu_{53} + 10\mu_{03}\mu_{23}\mu_{62} - 5\mu_{03}\mu_{14}\mu_{71} + \mu_{03}\mu_{05}\mu_{80})/\mu_{00}^{11}
\end{aligned}
$$

weight=8

structure: 0,1,0,1,0,0,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |



**Simultaneous invariants of the orders 2, 6 and 8**

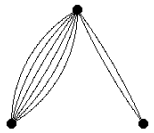
$$\begin{aligned} I_{302} \;=\; & (\mu_{20}\mu_{60}\mu_{08} - 6\mu_{20}\mu_{51}\mu_{17} + 15\mu_{20}\mu_{42}\mu_{26} - 20\mu_{20}\mu_{33}\mu_{35} + 15\mu_{20}\mu_{24}\mu_{44} \\ & -6\mu_{20}\mu_{15}\mu_{53} + \mu_{20}\mu_{06}\mu_{62} - 2\mu_{11}\mu_{60}\mu_{17} + 12\mu_{11}\mu_{51}\mu_{26} - 30\mu_{11}\mu_{42}\mu_{35} \\ & +40\mu_{11}\mu_{33}\mu_{44} - 30\mu_{11}\mu_{24}\mu_{53} + 12\mu_{11}\mu_{15}\mu_{62} - 2\mu_{11}\mu_{06}\mu_{71} + \mu_{02}\mu_{60}\mu_{26} \\ & -6\mu_{02}\mu_{51}\mu_{35} + 15\mu_{02}\mu_{42}\mu_{44} - 20\mu_{02}\mu_{33}\mu_{53} + 15\mu_{02}\mu_{24}\mu_{62} - 6\mu_{02}\mu_{15}\mu_{71} \\ & +\mu_{02}\mu_{06}\mu_{80})/\mu_{00}^{11} \end{aligned}$$

weight=8

structure: 1,0,0,0,1,0,1

Generating graph:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |



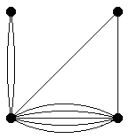
$$\begin{aligned} I_{303} \;=\; & (-\mu_{20}^2\mu_{51}\mu_{08} + 5\mu_{20}^2\mu_{42}\mu_{17} - 10\mu_{20}^2\mu_{33}\mu_{26} + 10\mu_{20}^2\mu_{24}\mu_{35} - 5\mu_{20}^2\mu_{15}\mu_{44} \\ & +\mu_{20}^2\mu_{06}\mu_{53} + \mu_{20}\mu_{11}\mu_{60}\mu_{08} - 2\mu_{20}\mu_{11}\mu_{51}\mu_{17} - 5\mu_{20}\mu_{11}\mu_{42}\mu_{26} \\ & +20\mu_{20}\mu_{11}\mu_{33}\mu_{35} - 25\mu_{20}\mu_{11}\mu_{24}\mu_{44} + 14\mu_{20}\mu_{11}\mu_{15}\mu_{53} - 3\mu_{20}\mu_{11}\mu_{06}\mu_{62} \\ & -\mu_{20}\mu_{02}\mu_{60}\mu_{17} + 4\mu_{20}\mu_{02}\mu_{51}\mu_{26} - 5\mu_{20}\mu_{02}\mu_{42}\mu_{35} + 5\mu_{20}\mu_{02}\mu_{24}\mu_{53} \\ & -4\mu_{20}\mu_{02}\mu_{15}\mu_{62} + \mu_{20}\mu_{02}\mu_{06}\mu_{71} - 2\mu_{11}^2\mu_{60}\mu_{17} + 8\mu_{11}^2\mu_{51}\mu_{26} \\ & -10\mu_{11}^2\mu_{42}\mu_{35} + 10\mu_{11}^2\mu_{24}\mu_{53} - 8\mu_{11}^2\mu_{15}\mu_{62} + 2\mu_{11}^2\mu_{06}\mu_{71} + 3\mu_{11}\mu_{02}\mu_{60}\mu_{26} \\ & -14\mu_{11}\mu_{02}\mu_{51}\mu_{35} + 25\mu_{11}\mu_{02}\mu_{42}\mu_{44} - 20\mu_{11}\mu_{02}\mu_{33}\mu_{53} + 5\mu_{11}\mu_{02}\mu_{24}\mu_{62} \\ & +2\mu_{11}\mu_{02}\mu_{15}\mu_{71} - \mu_{11}\mu_{02}\mu_{06}\mu_{80} - \mu_{02}^2\mu_{60}\mu_{35} + 5\mu_{02}^2\mu_{51}\mu_{44} \\ & -10\mu_{02}^2\mu_{42}\mu_{53} + 10\mu_{02}^2\mu_{33}\mu_{62} - 5\mu_{02}^2\mu_{24}\mu_{71} + \mu_{02}^2\mu_{15}\mu_{80})/\mu_{00}^{13} \end{aligned}$$

weight=9

structure: 2,0,0,0,1,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 |



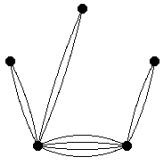
$$
\begin{aligned}
I_{304} \;=\; & (\mu_{20}^3\mu_{42}\mu_{08} - 4\mu_{20}^3\mu_{33}\mu_{17} + 6\mu_{20}^3\mu_{24}\mu_{26} - 4\mu_{20}^3\mu_{15}\mu_{35} + \mu_{20}^3\mu_{06}\mu_{44} \\
& -2\mu_{20}^2\mu_{11}\mu_{51}\mu_{08} + 4\mu_{20}^2\mu_{11}\mu_{42}\mu_{17} + 4\mu_{20}^2\mu_{11}\mu_{33}\mu_{26} - 16\mu_{20}^2\mu_{11}\mu_{24}\mu_{35} \\
& +14\mu_{20}^2\mu_{11}\mu_{15}\mu_{44} - 4\mu_{20}^2\mu_{11}\mu_{06}\mu_{53} + \mu_{20}^2\mu_{02}\mu_{60}\mu_{08} - 4\mu_{20}^2\mu_{02}\mu_{51}\mu_{17} \\
& +8\mu_{20}^2\mu_{02}\mu_{42}\mu_{26} - 12\mu_{20}^2\mu_{02}\mu_{33}\mu_{35} + 13\mu_{20}^2\mu_{02}\mu_{24}\mu_{44} - 8\mu_{20}^2\mu_{02}\mu_{15}\mu_{53} \\
& +2\mu_{20}^2\mu_{02}\mu_{06}\mu_{62} + 8\mu_{20}\mu_{11}^2\mu_{51}\mu_{17} - 28\mu_{20}\mu_{11}^2\mu_{42}\mu_{26} + 32\mu_{20}\mu_{11}^2\mu_{33}\mu_{35} \\
& -8\mu_{20}\mu_{11}^2\mu_{24}\mu_{44} - 8\mu_{20}\mu_{11}^2\mu_{15}\mu_{53} + 4\mu_{20}\mu_{11}^2\mu_{06}\mu_{62} \\
& -4\mu_{20}\mu_{11}\mu_{02}\mu_{60}\mu_{17} + 12\mu_{20}\mu_{11}\mu_{02}\mu_{51}\mu_{26} - 12\mu_{20}\mu_{11}\mu_{02}\mu_{42}\mu_{35} \\
& +8\mu_{20}\mu_{11}\mu_{02}\mu_{33}\mu_{44} - 12\mu_{20}\mu_{11}\mu_{02}\mu_{24}\mu_{53} + 12\mu_{20}\mu_{11}\mu_{02}\mu_{15}\mu_{62} \\
& -4\mu_{20}\mu_{11}\mu_{02}\mu_{06}\mu_{71} + 2\mu_{20}\mu_{02}^2\mu_{60}\mu_{26} - 8\mu_{20}\mu_{02}^2\mu_{51}\mu_{35} \\
& +13\mu_{20}\mu_{02}^2\mu_{42}\mu_{44} - 12\mu_{20}\mu_{02}^2\mu_{33}\mu_{53} + 8\mu_{20}\mu_{02}^2\mu_{24}\mu_{62} - 4\mu_{20}\mu_{02}^2\mu_{15}\mu_{71} \\
& +\mu_{20}\mu_{02}^2\mu_{06}\mu_{80} - 8\mu_{11}^3\mu_{51}\mu_{26} + 32\mu_{11}^3\mu_{42}\mu_{35} - 48\mu_{11}^3\mu_{33}\mu_{44} + 32\mu_{11}^3\mu_{24}\mu_{53} \\
& -8\mu_{11}^3\mu_{15}\mu_{62} + 4\mu_{11}^2\mu_{02}\mu_{60}\mu_{26} - 8\mu_{11}^2\mu_{02}\mu_{51}\mu_{35} - 8\mu_{11}^2\mu_{02}\mu_{42}\mu_{44} \\
& +32\mu_{11}^2\mu_{02}\mu_{33}\mu_{53} - 28\mu_{11}^2\mu_{02}\mu_{24}\mu_{62} + 8\mu_{11}^2\mu_{02}\mu_{15}\mu_{71} - 4\mu_{11}\mu_{02}^2\mu_{60}\mu_{35} \\
& +14\mu_{11}\mu_{02}^2\mu_{51}\mu_{44} - 16\mu_{11}\mu_{02}^2\mu_{42}\mu_{53} + 4\mu_{11}\mu_{02}^2\mu_{33}\mu_{62} + 4\mu_{11}\mu_{02}^2\mu_{24}\mu_{71} \\
& -2\mu_{11}\mu_{02}^2\mu_{15}\mu_{80} + \mu_{02}^3\mu_{60}\mu_{44} - 4\mu_{02}^3\mu_{51}\mu_{53} + 6\mu_{02}^3\mu_{42}\mu_{62} - 4\mu_{02}^3\mu_{33}\mu_{71} \\
& +\mu_{02}^3\mu_{24}\mu_{80})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 3,0,0,0,1,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 |



**Simultaneous invariants of the orders 3, 6 and 8**

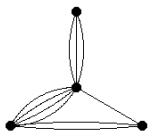
$$
\begin{aligned}
I_{305} \;=\; & (\mu_{30}^2\mu_{42}\mu_{08} - 4\mu_{30}^2\mu_{33}\mu_{17} + 6\mu_{30}^2\mu_{24}\mu_{26} - 4\mu_{30}^2\mu_{15}\mu_{35} + \mu_{30}^2\mu_{06}\mu_{44} \\
& -2\mu_{30}\mu_{21}\mu_{51}\mu_{08} + 4\mu_{30}\mu_{21}\mu_{42}\mu_{17} + 4\mu_{30}\mu_{21}\mu_{33}\mu_{26} - 16\mu_{30}\mu_{21}\mu_{24}\mu_{35} \\
& +14\mu_{30}\mu_{21}\mu_{15}\mu_{44} - 4\mu_{30}\mu_{21}\mu_{06}\mu_{53} + \mu_{30}\mu_{12}\mu_{60}\mu_{08} - 2\mu_{30}\mu_{12}\mu_{51}\mu_{17} \\
& +\mu_{30}\mu_{12}\mu_{42}\mu_{26} - 4\mu_{30}\mu_{12}\mu_{33}\mu_{35} + 11\mu_{30}\mu_{12}\mu_{24}\mu_{44} - 10\mu_{30}\mu_{12}\mu_{15}\mu_{53} \\
& +3\mu_{30}\mu_{12}\mu_{06}\mu_{62} - \mu_{30}\mu_{03}\mu_{60}\mu_{17} + 4\mu_{30}\mu_{03}\mu_{51}\mu_{26} - 7\mu_{30}\mu_{03}\mu_{42}\mu_{35} \\
& +8\mu_{30}\mu_{03}\mu_{33}\mu_{44} - 7\mu_{30}\mu_{03}\mu_{24}\mu_{53} + 4\mu_{30}\mu_{03}\mu_{15}\mu_{62} - \mu_{30}\mu_{03}\mu_{06}\mu_{71} \\
& +6\mu_{21}^2\mu_{51}\mu_{17} - 21\mu_{21}^2\mu_{42}\mu_{26} + 24\mu_{21}^2\mu_{33}\mu_{35} - 6\mu_{21}^2\mu_{24}\mu_{44} - 6\mu_{21}^2\mu_{15}\mu_{53} \\
& +3\mu_{21}^2\mu_{06}\mu_{62} - 3\mu_{21}\mu_{12}\mu_{60}\mu_{17} + 27\mu_{21}\mu_{12}\mu_{42}\mu_{35} - 48\mu_{21}\mu_{12}\mu_{33}\mu_{44} \\
& +27\mu_{21}\mu_{12}\mu_{24}\mu_{53} - 3\mu_{21}\mu_{12}\mu_{06}\mu_{71} + 3\mu_{21}\mu_{03}\mu_{60}\mu_{26} - 10\mu_{21}\mu_{03}\mu_{51}\mu_{35} \\
& +11\mu_{21}\mu_{03}\mu_{42}\mu_{44} - 4\mu_{21}\mu_{03}\mu_{33}\mu_{53} + \mu_{21}\mu_{03}\mu_{24}\mu_{62} - 2\mu_{21}\mu_{03}\mu_{15}\mu_{71} \\
& +\mu_{21}\mu_{03}\mu_{06}\mu_{80} + 3\mu_{12}^2\mu_{60}\mu_{26} - 6\mu_{12}^2\mu_{51}\mu_{35} - 6\mu_{12}^2\mu_{42}\mu_{44} + 24\mu_{12}^2\mu_{33}\mu_{53} \\
& -21\mu_{12}^2\mu_{24}\mu_{62} + 6\mu_{12}^2\mu_{15}\mu_{71} - 4\mu_{12}\mu_{03}\mu_{60}\mu_{35} + 14\mu_{12}\mu_{03}\mu_{51}\mu_{44} \\
& -16\mu_{12}\mu_{03}\mu_{42}\mu_{53} + 4\mu_{12}\mu_{03}\mu_{33}\mu_{62} + 4\mu_{12}\mu_{03}\mu_{24}\mu_{71} - 2\mu_{12}\mu_{03}\mu_{15}\mu_{80} \\
& +\mu_{03}^2\mu_{60}\mu_{44} - 4\mu_{03}^2\mu_{51}\mu_{53} + 6\mu_{03}^2\mu_{42}\mu_{62} - 4\mu_{03}^2\mu_{33}\mu_{71} + \mu_{03}^2\mu_{24}\mu_{80})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,2,0,0,1,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 |



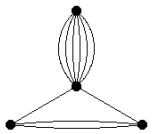
$$
\begin{aligned}
I_{306} \;=\; & (\mu_{30}\mu_{12}\mu_{60}\mu_{08} - 6\mu_{30}\mu_{12}\mu_{51}\mu_{17} + 15\mu_{30}\mu_{12}\mu_{42}\mu_{26} - 20\mu_{30}\mu_{12}\mu_{33}\mu_{35} \\
& +15\mu_{30}\mu_{12}\mu_{24}\mu_{44} - 6\mu_{30}\mu_{12}\mu_{15}\mu_{53} + \mu_{30}\mu_{12}\mu_{06}\mu_{62} - \mu_{30}\mu_{03}\mu_{60}\mu_{17} \\
& +6\mu_{30}\mu_{03}\mu_{51}\mu_{26} - 15\mu_{30}\mu_{03}\mu_{42}\mu_{35} + 20\mu_{30}\mu_{03}\mu_{33}\mu_{44} - 15\mu_{30}\mu_{03}\mu_{24}\mu_{53} \\
& +6\mu_{30}\mu_{03}\mu_{15}\mu_{62} - \mu_{30}\mu_{03}\mu_{06}\mu_{71} - \mu_{21}^2\mu_{60}\mu_{08} + 6\mu_{21}^2\mu_{51}\mu_{17} \\
& -15\mu_{21}^2\mu_{42}\mu_{26} + 20\mu_{21}^2\mu_{33}\mu_{35} - 15\mu_{21}^2\mu_{24}\mu_{44} + 6\mu_{21}^2\mu_{15}\mu_{53} - \mu_{21}^2\mu_{06}\mu_{62} \\
& +\mu_{21}\mu_{12}\mu_{60}\mu_{17} - 6\mu_{21}\mu_{12}\mu_{51}\mu_{26} + 15\mu_{21}\mu_{12}\mu_{42}\mu_{35} - 20\mu_{21}\mu_{12}\mu_{33}\mu_{44} \\
& +15\mu_{21}\mu_{12}\mu_{24}\mu_{53} - 6\mu_{21}\mu_{12}\mu_{15}\mu_{62} + \mu_{21}\mu_{12}\mu_{06}\mu_{71} + \mu_{21}\mu_{03}\mu_{60}\mu_{26} \\
& -6\mu_{21}\mu_{03}\mu_{51}\mu_{35} + 15\mu_{21}\mu_{03}\mu_{42}\mu_{44} - 20\mu_{21}\mu_{03}\mu_{33}\mu_{53} + 15\mu_{21}\mu_{03}\mu_{24}\mu_{62} \\
& -6\mu_{21}\mu_{03}\mu_{15}\mu_{71} + \mu_{21}\mu_{03}\mu_{06}\mu_{80} - \mu_{12}^2\mu_{60}\mu_{26} + 6\mu_{12}^2\mu_{51}\mu_{35} \\
& -15\mu_{12}^2\mu_{42}\mu_{44} + 20\mu_{12}^2\mu_{33}\mu_{53} - 15\mu_{12}^2\mu_{24}\mu_{62} + 6\mu_{12}^2\mu_{15}\mu_{71} - \mu_{12}^2\mu_{06}\mu_{80})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,2,0,0,1,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |



**Simultaneous invariants of the orders 4, 6 and 8**

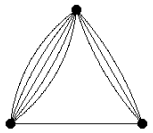
$$\begin{aligned} I_{307} \;=\; & (-\mu_{40}\mu_{51}\mu_{08} + 5\mu_{40}\mu_{42}\mu_{17} - 10\mu_{40}\mu_{33}\mu_{26} + 10\mu_{40}\mu_{24}\mu_{35} - 5\mu_{40}\mu_{15}\mu_{44} \\ & +\mu_{40}\mu_{06}\mu_{53} + \mu_{31}\mu_{60}\mu_{08} - 2\mu_{31}\mu_{51}\mu_{17} - 5\mu_{31}\mu_{42}\mu_{26} + 20\mu_{31}\mu_{33}\mu_{35} \\ & -25\mu_{31}\mu_{24}\mu_{44} + 14\mu_{31}\mu_{15}\mu_{53} - 3\mu_{31}\mu_{06}\mu_{62} - 3\mu_{22}\mu_{60}\mu_{17} + 12\mu_{22}\mu_{51}\mu_{26} \\ & -15\mu_{22}\mu_{42}\mu_{35} + 15\mu_{22}\mu_{24}\mu_{53} - 12\mu_{22}\mu_{15}\mu_{62} + 3\mu_{22}\mu_{06}\mu_{71} + 3\mu_{13}\mu_{60}\mu_{26} \\ & -14\mu_{13}\mu_{51}\mu_{35} + 25\mu_{13}\mu_{42}\mu_{44} - 20\mu_{13}\mu_{33}\mu_{53} + 5\mu_{13}\mu_{24}\mu_{62} + 2\mu_{13}\mu_{15}\mu_{71} \\ & -\mu_{13}\mu_{06}\mu_{80} - \mu_{04}\mu_{60}\mu_{35} + 5\mu_{04}\mu_{51}\mu_{44} - 10\mu_{04}\mu_{42}\mu_{53} + 10\mu_{04}\mu_{33}\mu_{62} \\ & -5\mu_{04}\mu_{24}\mu_{71} + \mu_{04}\mu_{15}\mu_{80})/\mu_{00}^{12} \end{aligned}$$

weight=9

structure: 0,0,1,0,1,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |



**Simultaneous invariants of the orders 3, 7 and 8**

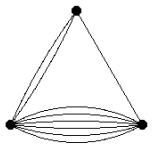
$$\begin{aligned} I_{308} \;=\; & (-\mu_{30}\mu_{61}\mu_{08} + 6\mu_{30}\mu_{52}\mu_{17} - 15\mu_{30}\mu_{43}\mu_{26} + 20\mu_{30}\mu_{34}\mu_{35} - 15\mu_{30}\mu_{25}\mu_{44} \\ & +6\mu_{30}\mu_{16}\mu_{53} - \mu_{30}\mu_{07}\mu_{62} + \mu_{21}\mu_{70}\mu_{08} - 4\mu_{21}\mu_{61}\mu_{17} + 3\mu_{21}\mu_{52}\mu_{26} \\ & +10\mu_{21}\mu_{43}\mu_{35} - 25\mu_{21}\mu_{34}\mu_{44} + 24\mu_{21}\mu_{25}\mu_{53} - 11\mu_{21}\mu_{16}\mu_{62} + 2\mu_{21}\mu_{07}\mu_{71} \\ & -2\mu_{12}\mu_{70}\mu_{17} + 11\mu_{12}\mu_{61}\mu_{26} - 24\mu_{12}\mu_{52}\mu_{35} + 25\mu_{12}\mu_{43}\mu_{44} - 10\mu_{12}\mu_{34}\mu_{53} \\ & -3\mu_{12}\mu_{25}\mu_{62} + 4\mu_{12}\mu_{16}\mu_{71} - \mu_{12}\mu_{07}\mu_{80} + \mu_{03}\mu_{70}\mu_{26} - 6\mu_{03}\mu_{61}\mu_{35} \\ & +15\mu_{03}\mu_{52}\mu_{44} - 20\mu_{03}\mu_{43}\mu_{53} + 15\mu_{03}\mu_{34}\mu_{62} - 6\mu_{03}\mu_{25}\mu_{71} + \mu_{03}\mu_{16}\mu_{80})/\mu_{00}^{12} \end{aligned}$$

weight=9

structure: 0,1,0,0,0,1,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |



**Simultaneous invariants of the orders 5, 7 and 8**

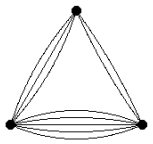
$$
\begin{aligned}
I_{309} \;=\; & (\mu_{50}\mu_{52}\mu_{08} - 5\mu_{50}\mu_{43}\mu_{17} + 10\mu_{50}\mu_{34}\mu_{26} - 10\mu_{50}\mu_{25}\mu_{35} + 5\mu_{50}\mu_{16}\mu_{44} \\
& -\mu_{50}\mu_{07}\mu_{53} - 2\mu_{41}\mu_{61}\mu_{08} + 7\mu_{41}\mu_{52}\mu_{17} - 5\mu_{41}\mu_{43}\mu_{26} - 10\mu_{41}\mu_{34}\mu_{35} \\
& +20\mu_{41}\mu_{25}\mu_{44} - 13\mu_{41}\mu_{16}\mu_{53} + 3\mu_{41}\mu_{07}\mu_{62} + \mu_{32}\mu_{70}\mu_{08} + \mu_{32}\mu_{61}\mu_{17} \\
& -17\mu_{32}\mu_{52}\mu_{26} + 35\mu_{32}\mu_{43}\mu_{35} - 25\mu_{32}\mu_{34}\mu_{44} - \mu_{32}\mu_{25}\mu_{53} + 9\mu_{32}\mu_{16}\mu_{62} \\
& -3\mu_{32}\mu_{07}\mu_{71} - 3\mu_{23}\mu_{70}\mu_{17} + 9\mu_{23}\mu_{61}\mu_{26} - \mu_{23}\mu_{52}\mu_{35} - 25\mu_{23}\mu_{43}\mu_{44} \\
& +35\mu_{23}\mu_{34}\mu_{53} - 17\mu_{23}\mu_{25}\mu_{62} + \mu_{23}\mu_{16}\mu_{71} + \mu_{23}\mu_{07}\mu_{80} + 3\mu_{14}\mu_{70}\mu_{26} \\
& -13\mu_{14}\mu_{61}\mu_{35} + 20\mu_{14}\mu_{52}\mu_{44} - 10\mu_{14}\mu_{43}\mu_{53} - 5\mu_{14}\mu_{34}\mu_{62} + 7\mu_{14}\mu_{25}\mu_{71} \\
& -2\mu_{14}\mu_{16}\mu_{80} - \mu_{05}\mu_{70}\mu_{35} + 5\mu_{05}\mu_{61}\mu_{44} - 10\mu_{05}\mu_{52}\mu_{53} + 10\mu_{05}\mu_{43}\mu_{62} \\
& -5\mu_{05}\mu_{34}\mu_{71} + \mu_{05}\mu_{25}\mu_{80})/\mu_{00}^{13}
\end{aligned}
$$

weight=10

structure: 0,0,0,1,0,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |



**Simultaneous invariants of the orders 2, 3, 4 and 8**

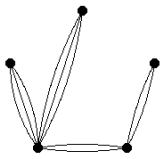
$$
\begin{aligned}
I_{310} \;=\; & (\mu_{20}\mu_{30}^2\mu_{22}\mu_{08} - 2\mu_{20}\mu_{30}^2\mu_{13}\mu_{17} + \mu_{20}\mu_{30}^2\mu_{04}\mu_{26} \\
& -6\mu_{20}\mu_{30}\mu_{21}\mu_{22}\mu_{17} + 12\mu_{20}\mu_{30}\mu_{21}\mu_{13}\mu_{26} - 6\mu_{20}\mu_{30}\mu_{21}\mu_{04}\mu_{35} \\
& +6\mu_{20}\mu_{30}\mu_{12}\mu_{22}\mu_{26} - 12\mu_{20}\mu_{30}\mu_{12}\mu_{13}\mu_{35} + 6\mu_{20}\mu_{30}\mu_{12}\mu_{04}\mu_{44} \\
& -2\mu_{20}\mu_{30}\mu_{03}\mu_{22}\mu_{35} + 4\mu_{20}\mu_{30}\mu_{03}\mu_{13}\mu_{44} - 2\mu_{20}\mu_{30}\mu_{03}\mu_{04}\mu_{53} \\
& +9\mu_{20}\mu_{21}^2\mu_{22}\mu_{26} - 18\mu_{20}\mu_{21}^2\mu_{13}\mu_{35} + 9\mu_{20}\mu_{21}^2\mu_{04}\mu_{44} \\
& -18\mu_{20}\mu_{21}\mu_{12}\mu_{22}\mu_{35} + 36\mu_{20}\mu_{21}\mu_{12}\mu_{13}\mu_{44} - 18\mu_{20}\mu_{21}\mu_{12}\mu_{04}\mu_{53} \\
& +6\mu_{20}\mu_{21}\mu_{03}\mu_{22}\mu_{44} - 12\mu_{20}\mu_{21}\mu_{03}\mu_{13}\mu_{53} + 6\mu_{20}\mu_{21}\mu_{03}\mu_{04}\mu_{62} \\
& +9\mu_{20}\mu_{12}^2\mu_{22}\mu_{44} - 18\mu_{20}\mu_{12}^2\mu_{13}\mu_{53} + 9\mu_{20}\mu_{12}^2\mu_{04}\mu_{62} \\
& -6\mu_{20}\mu_{12}\mu_{03}\mu_{22}\mu_{53} + 12\mu_{20}\mu_{12}\mu_{03}\mu_{13}\mu_{62} - 6\mu_{20}\mu_{12}\mu_{03}\mu_{04}\mu_{71} \\
& +\mu_{20}\mu_{03}^2\mu_{22}\mu_{62} - 2\mu_{20}\mu_{03}^2\mu_{13}\mu_{71} + \mu_{20}\mu_{03}^2\mu_{04}\mu_{80} - 2\mu_{11}\mu_{30}^2\mu_{31}\mu_{08} \\
& +4\mu_{11}\mu_{30}^2\mu_{22}\mu_{17} - 2\mu_{11}\mu_{30}^2\mu_{13}\mu_{26} + 12\mu_{11}\mu_{30}\mu_{21}\mu_{31}\mu_{17} \\
& -24\mu_{11}\mu_{30}\mu_{21}\mu_{22}\mu_{26} + 12\mu_{11}\mu_{30}\mu_{21}\mu_{13}\mu_{35} - 12\mu_{11}\mu_{30}\mu_{12}\mu_{31}\mu_{26} \\
& +24\mu_{11}\mu_{30}\mu_{12}\mu_{22}\mu_{35} - 12\mu_{11}\mu_{30}\mu_{12}\mu_{13}\mu_{44} + 4\mu_{11}\mu_{30}\mu_{03}\mu_{31}\mu_{35} \\
& -8\mu_{11}\mu_{30}\mu_{03}\mu_{22}\mu_{44} + 4\mu_{11}\mu_{30}\mu_{03}\mu_{13}\mu_{53} - 18\mu_{11}\mu_{21}^2\mu_{31}\mu_{26} \\
& +36\mu_{11}\mu_{21}^2\mu_{22}\mu_{35} - 18\mu_{11}\mu_{21}^2\mu_{13}\mu_{44} + 36\mu_{11}\mu_{21}\mu_{12}\mu_{31}\mu_{35} \\
& -72\mu_{11}\mu_{21}\mu_{12}\mu_{22}\mu_{44} + 36\mu_{11}\mu_{21}\mu_{12}\mu_{13}\mu_{53} - 12\mu_{11}\mu_{21}\mu_{03}\mu_{31}\mu_{44} \\
& +24\mu_{11}\mu_{21}\mu_{03}\mu_{22}\mu_{53} - 12\mu_{11}\mu_{21}\mu_{03}\mu_{13}\mu_{62} - 18\mu_{11}\mu_{12}^2\mu_{31}\mu_{44} \\
& +36\mu_{11}\mu_{12}^2\mu_{22}\mu_{53} - 18\mu_{11}\mu_{12}^2\mu_{13}\mu_{62} + 12\mu_{11}\mu_{12}\mu_{03}\mu_{31}\mu_{53} \\
& -24\mu_{11}\mu_{12}\mu_{03}\mu_{22}\mu_{62} + 12\mu_{11}\mu_{12}\mu_{03}\mu_{13}\mu_{71} - 2\mu_{11}\mu_{03}^2\mu_{31}\mu_{62} \\
& +4\mu_{11}\mu_{03}^2\mu_{22}\mu_{71} - 2\mu_{11}\mu_{03}^2\mu_{13}\mu_{80} + \mu_{02}\mu_{30}^2\mu_{40}\mu_{08} - 2\mu_{02}\mu_{30}^2\mu_{31}\mu_{17} \\
& +\mu_{02}\mu_{30}^2\mu_{22}\mu_{26} - 6\mu_{02}\mu_{30}\mu_{21}\mu_{40}\mu_{17} + 12\mu_{02}\mu_{30}\mu_{21}\mu_{31}\mu_{26} \\
& -6\mu_{02}\mu_{30}\mu_{21}\mu_{22}\mu_{35} + 6\mu_{02}\mu_{30}\mu_{12}\mu_{40}\mu_{26} - 12\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{35} \\
& +6\mu_{02}\mu_{30}\mu_{12}\mu_{22}\mu_{44} - 2\mu_{02}\mu_{30}\mu_{03}\mu_{40}\mu_{35} + 4\mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{44} \\
& -2\mu_{02}\mu_{30}\mu_{03}\mu_{22}\mu_{53} + 9\mu_{02}\mu_{21}^2\mu_{40}\mu_{26} - 18\mu_{02}\mu_{21}^2\mu_{31}\mu_{35} \\
& +9\mu_{02}\mu_{21}^2\mu_{22}\mu_{44} - 18\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{35} + 36\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{44} \\
& -18\mu_{02}\mu_{21}\mu_{12}\mu_{22}\mu_{53} + 6\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{44} - 12\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{53} \\
& +6\mu_{02}\mu_{21}\mu_{03}\mu_{22}\mu_{62} + 9\mu_{02}\mu_{12}^2\mu_{40}\mu_{44} - 18\mu_{02}\mu_{12}^2\mu_{31}\mu_{53} \\
& +9\mu_{02}\mu_{12}^2\mu_{22}\mu_{62} - 6\mu_{02}\mu_{12}\mu_{03}\mu_{40}\mu_{53} + 12\mu_{02}\mu_{12}\mu_{03}\mu_{31}\mu_{62} \\
& -6\mu_{02}\mu_{12}\mu_{03}\mu_{22}\mu_{71} + \mu_{02}\mu_{03}^2\mu_{40}\mu_{62} - 2\mu_{02}\mu_{03}^2\mu_{31}\mu_{71} \\
& +\mu_{02}\mu_{03}^2\mu_{22}\mu_{80})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,2,1,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |



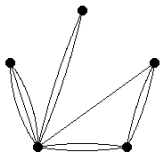
$$
\begin{aligned}
I_{311} \;=\; & (\mu_{20}\mu_{30}^2\mu_{22}\mu_{08} - 2\mu_{20}\mu_{30}^2\mu_{13}\mu_{17} + \mu_{20}\mu_{30}^2\mu_{04}\mu_{26} \\
& -2\mu_{20}\mu_{30}\mu_{21}\mu_{31}\mu_{08} + 6\mu_{20}\mu_{30}\mu_{21}\mu_{13}\mu_{26} - 4\mu_{20}\mu_{30}\mu_{21}\mu_{04}\mu_{35} \\
& +\mu_{20}\mu_{30}\mu_{12}\mu_{40}\mu_{08} - 4\mu_{20}\mu_{30}\mu_{12}\mu_{13}\mu_{35} + 3\mu_{20}\mu_{30}\mu_{12}\mu_{04}\mu_{44} \\
& -\mu_{20}\mu_{30}\mu_{03}\mu_{40}\mu_{17} + 2\mu_{20}\mu_{30}\mu_{03}\mu_{31}\mu_{26} - 2\mu_{20}\mu_{30}\mu_{03}\mu_{22}\mu_{35} \\
& +2\mu_{20}\mu_{30}\mu_{03}\mu_{13}\mu_{44} - \mu_{20}\mu_{30}\mu_{03}\mu_{04}\mu_{53} + 6\mu_{20}\mu_{21}^2\mu_{31}\mu_{17} \\
& -9\mu_{20}\mu_{21}^2\mu_{22}\mu_{26} + 3\mu_{20}\mu_{21}^2\mu_{04}\mu_{44} - 3\mu_{20}\mu_{21}\mu_{12}\mu_{40}\mu_{17} \\
& -6\mu_{20}\mu_{21}\mu_{12}\mu_{31}\mu_{26} + 18\mu_{20}\mu_{21}\mu_{12}\mu_{22}\mu_{35} - 6\mu_{20}\mu_{21}\mu_{12}\mu_{13}\mu_{44} \\
& -3\mu_{20}\mu_{21}\mu_{12}\mu_{04}\mu_{53} + 3\mu_{20}\mu_{21}\mu_{03}\mu_{40}\mu_{26} - 4\mu_{20}\mu_{21}\mu_{03}\mu_{31}\mu_{35} \\
& +\mu_{20}\mu_{21}\mu_{03}\mu_{04}\mu_{62} + 3\mu_{20}\mu_{12}^2\mu_{40}\mu_{26} - 9\mu_{20}\mu_{12}^2\mu_{22}\mu_{44} \\
& +6\mu_{20}\mu_{12}^2\mu_{13}\mu_{53} - 4\mu_{20}\mu_{12}\mu_{03}\mu_{40}\mu_{35} + 6\mu_{20}\mu_{12}\mu_{03}\mu_{31}\mu_{44} \\
& -2\mu_{20}\mu_{12}\mu_{03}\mu_{13}\mu_{62} + \mu_{20}\mu_{03}^2\mu_{40}\mu_{44} - 2\mu_{20}\mu_{03}^2\mu_{31}\mu_{53} \\
& +\mu_{20}\mu_{03}^2\mu_{22}\mu_{62} - 2\mu_{11}\mu_{30}^2\mu_{22}\mu_{17} + 4\mu_{11}\mu_{30}^2\mu_{13}\mu_{26} - 2\mu_{11}\mu_{30}^2\mu_{04}\mu_{35} \\
& +4\mu_{11}\mu_{30}\mu_{21}\mu_{31}\mu_{17} - 12\mu_{11}\mu_{30}\mu_{21}\mu_{13}\mu_{35} + 8\mu_{11}\mu_{30}\mu_{21}\mu_{04}\mu_{44} \\
& -2\mu_{11}\mu_{30}\mu_{12}\mu_{40}\mu_{17} + 8\mu_{11}\mu_{30}\mu_{12}\mu_{13}\mu_{44} - 6\mu_{11}\mu_{30}\mu_{12}\mu_{04}\mu_{53} \\
& +2\mu_{11}\mu_{30}\mu_{03}\mu_{40}\mu_{26} - 4\mu_{11}\mu_{30}\mu_{03}\mu_{31}\mu_{35} + 4\mu_{11}\mu_{30}\mu_{03}\mu_{22}\mu_{44} \\
& -4\mu_{11}\mu_{30}\mu_{03}\mu_{13}\mu_{53} + 2\mu_{11}\mu_{30}\mu_{03}\mu_{04}\mu_{62} - 12\mu_{11}\mu_{21}^2\mu_{31}\mu_{26} \\
& +18\mu_{11}\mu_{21}^2\mu_{22}\mu_{35} - 6\mu_{11}\mu_{21}^2\mu_{04}\mu_{53} + 6\mu_{11}\mu_{21}\mu_{12}\mu_{40}\mu_{26} \\
& +12\mu_{11}\mu_{21}\mu_{12}\mu_{31}\mu_{35} - 36\mu_{11}\mu_{21}\mu_{12}\mu_{22}\mu_{44} + 12\mu_{11}\mu_{21}\mu_{12}\mu_{13}\mu_{53} \\
& +6\mu_{11}\mu_{21}\mu_{12}\mu_{04}\mu_{62} - 6\mu_{11}\mu_{21}\mu_{03}\mu_{40}\mu_{35} + 8\mu_{11}\mu_{21}\mu_{03}\mu_{31}\mu_{44} \\
& -2\mu_{11}\mu_{21}\mu_{03}\mu_{04}\mu_{71} - 6\mu_{11}\mu_{12}^2\mu_{40}\mu_{35} + 18\mu_{11}\mu_{12}^2\mu_{22}\mu_{53} \\
& -12\mu_{11}\mu_{12}^2\mu_{13}\mu_{62} + 8\mu_{11}\mu_{12}\mu_{03}\mu_{40}\mu_{44} - 12\mu_{11}\mu_{12}\mu_{03}\mu_{31}\mu_{53} \\
& +4\mu_{11}\mu_{12}\mu_{03}\mu_{13}\mu_{71} - 2\mu_{11}\mu_{03}^2\mu_{40}\mu_{53} + 4\mu_{11}\mu_{03}^2\mu_{31}\mu_{62} \\
& -2\mu_{11}\mu_{03}^2\mu_{22}\mu_{71} + \mu_{02}\mu_{30}^2\mu_{22}\mu_{26} - 2\mu_{02}\mu_{30}^2\mu_{13}\mu_{35} + \mu_{02}\mu_{30}^2\mu_{04}\mu_{44} \\
& -2\mu_{02}\mu_{30}\mu_{21}\mu_{31}\mu_{26} + 6\mu_{02}\mu_{30}\mu_{21}\mu_{13}\mu_{44} - 4\mu_{02}\mu_{30}\mu_{21}\mu_{04}\mu_{53} \\
& +\mu_{02}\mu_{30}\mu_{12}\mu_{40}\mu_{26} - 4\mu_{02}\mu_{30}\mu_{12}\mu_{13}\mu_{53} + 3\mu_{02}\mu_{30}\mu_{12}\mu_{04}\mu_{62} \\
& -\mu_{02}\mu_{30}\mu_{03}\mu_{40}\mu_{35} + 2\mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{44} - 2\mu_{02}\mu_{30}\mu_{03}\mu_{22}\mu_{53} \\
& +2\mu_{02}\mu_{30}\mu_{03}\mu_{13}\mu_{62} - \mu_{02}\mu_{30}\mu_{03}\mu_{04}\mu_{71} + 6\mu_{02}\mu_{21}^2\mu_{31}\mu_{35} \\
& -9\mu_{02}\mu_{21}^2\mu_{22}\mu_{44} + 3\mu_{02}\mu_{21}^2\mu_{04}\mu_{62} - 3\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{35} \\
& -6\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{44} + 18\mu_{02}\mu_{21}\mu_{12}\mu_{22}\mu_{53} - 6\mu_{02}\mu_{21}\mu_{12}\mu_{13}\mu_{62} \\
& -3\mu_{02}\mu_{21}\mu_{12}\mu_{04}\mu_{71} + 3\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{44} - 4\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{53} \\
& +\mu_{02}\mu_{21}\mu_{03}\mu_{04}\mu_{80} + 3\mu_{02}\mu_{12}^2\mu_{40}\mu_{44} - 9\mu_{02}\mu_{12}^2\mu_{22}\mu_{62} \\
& +6\mu_{02}\mu_{12}^2\mu_{13}\mu_{71} - 4\mu_{02}\mu_{12}\mu_{03}\mu_{40}\mu_{53} + 6\mu_{02}\mu_{12}\mu_{03}\mu_{31}\mu_{62} \\
& -2\mu_{02}\mu_{12}\mu_{03}\mu_{13}\mu_{80} + \mu_{02}\mu_{03}^2\mu_{40}\mu_{62} - 2\mu_{02}\mu_{03}^2\mu_{31}\mu_{71} \\
& +\mu_{02}\mu_{03}^2\mu_{22}\mu_{80})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,2,1,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



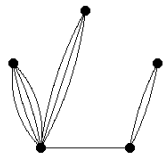
$$
\begin{aligned}
I_{312} \;=\; & (\mu_{20}\mu_{30}\mu_{12}\mu_{40}\mu_{08} - 4\mu_{20}\mu_{30}\mu_{12}\mu_{31}\mu_{17} + 6\mu_{20}\mu_{30}\mu_{12}\mu_{22}\mu_{26} \\
& -4\mu_{20}\mu_{30}\mu_{12}\mu_{13}\mu_{35} + \mu_{20}\mu_{30}\mu_{12}\mu_{04}\mu_{44} - \mu_{20}\mu_{30}\mu_{03}\mu_{40}\mu_{17} \\
& +4\mu_{20}\mu_{30}\mu_{03}\mu_{31}\mu_{26} - 6\mu_{20}\mu_{30}\mu_{03}\mu_{22}\mu_{35} + 4\mu_{20}\mu_{30}\mu_{03}\mu_{13}\mu_{44} \\
& -\mu_{20}\mu_{30}\mu_{03}\mu_{04}\mu_{53} - 3\mu_{20}\mu_{21}\mu_{12}\mu_{40}\mu_{17} + 12\mu_{20}\mu_{21}\mu_{12}\mu_{31}\mu_{26} \\
& -18\mu_{20}\mu_{21}\mu_{12}\mu_{22}\mu_{35} + 12\mu_{20}\mu_{21}\mu_{12}\mu_{13}\mu_{44} - 3\mu_{20}\mu_{21}\mu_{12}\mu_{04}\mu_{53} \\
& +3\mu_{20}\mu_{21}\mu_{03}\mu_{40}\mu_{26} - 12\mu_{20}\mu_{21}\mu_{03}\mu_{31}\mu_{35} + 18\mu_{20}\mu_{21}\mu_{03}\mu_{22}\mu_{44} \\
& -12\mu_{20}\mu_{21}\mu_{03}\mu_{13}\mu_{53} + 3\mu_{20}\mu_{21}\mu_{03}\mu_{04}\mu_{62} + 3\mu_{20}\mu_{12}^2\mu_{40}\mu_{26} \\
& -12\mu_{20}\mu_{12}^2\mu_{31}\mu_{35} + 18\mu_{20}\mu_{12}^2\mu_{22}\mu_{44} - 12\mu_{20}\mu_{12}^2\mu_{13}\mu_{53} + 3\mu_{20}\mu_{12}^2\mu_{04}\mu_{62} \\
& -4\mu_{20}\mu_{12}\mu_{03}\mu_{40}\mu_{35} + 16\mu_{20}\mu_{12}\mu_{03}\mu_{31}\mu_{44} - 24\mu_{20}\mu_{12}\mu_{03}\mu_{22}\mu_{53} \\
& +16\mu_{20}\mu_{12}\mu_{03}\mu_{13}\mu_{62} - 4\mu_{20}\mu_{12}\mu_{03}\mu_{04}\mu_{71} + \mu_{20}\mu_{03}^2\mu_{40}\mu_{44} \\
& -4\mu_{20}\mu_{03}^2\mu_{31}\mu_{53} + 6\mu_{20}\mu_{03}^2\mu_{22}\mu_{62} - 4\mu_{20}\mu_{03}^2\mu_{13}\mu_{71} + \mu_{20}\mu_{03}^2\mu_{04}\mu_{80} \\
& -2\mu_{11}\mu_{30}\mu_{21}\mu_{40}\mu_{08} + 8\mu_{11}\mu_{30}\mu_{21}\mu_{31}\mu_{17} - 12\mu_{11}\mu_{30}\mu_{21}\mu_{22}\mu_{26} \\
& +8\mu_{11}\mu_{30}\mu_{21}\mu_{13}\mu_{35} - 2\mu_{11}\mu_{30}\mu_{21}\mu_{04}\mu_{44} + 2\mu_{11}\mu_{30}\mu_{12}\mu_{40}\mu_{17} \\
& -8\mu_{11}\mu_{30}\mu_{12}\mu_{31}\mu_{26} + 12\mu_{11}\mu_{30}\mu_{12}\mu_{22}\mu_{35} - 8\mu_{11}\mu_{30}\mu_{12}\mu_{13}\mu_{44} \\
& +2\mu_{11}\mu_{30}\mu_{12}\mu_{04}\mu_{53} + 6\mu_{11}\mu_{21}^2\mu_{40}\mu_{17} - 24\mu_{11}\mu_{21}^2\mu_{31}\mu_{26} \\
& +36\mu_{11}\mu_{21}^2\mu_{22}\mu_{35} - 24\mu_{11}\mu_{21}^2\mu_{13}\mu_{44} + 6\mu_{11}\mu_{21}^2\mu_{04}\mu_{53} \\
& -12\mu_{11}\mu_{21}\mu_{12}\mu_{40}\mu_{26} + 48\mu_{11}\mu_{21}\mu_{12}\mu_{31}\mu_{35} - 72\mu_{11}\mu_{21}\mu_{12}\mu_{22}\mu_{44} \\
& +48\mu_{11}\mu_{21}\mu_{12}\mu_{13}\mu_{53} - 12\mu_{11}\mu_{21}\mu_{12}\mu_{04}\mu_{62} + 2\mu_{11}\mu_{21}\mu_{03}\mu_{40}\mu_{35} \\
& -8\mu_{11}\mu_{21}\mu_{03}\mu_{31}\mu_{44} + 12\mu_{11}\mu_{21}\mu_{03}\mu_{22}\mu_{53} - 8\mu_{11}\mu_{21}\mu_{03}\mu_{13}\mu_{62} \\
& +2\mu_{11}\mu_{21}\mu_{03}\mu_{04}\mu_{71} + 6\mu_{11}\mu_{12}^2\mu_{40}\mu_{35} - 24\mu_{11}\mu_{12}^2\mu_{31}\mu_{44} \\
& +36\mu_{11}\mu_{12}^2\mu_{22}\mu_{53} - 24\mu_{11}\mu_{12}^2\mu_{13}\mu_{62} + 6\mu_{11}\mu_{12}^2\mu_{04}\mu_{71} \\
& -2\mu_{11}\mu_{12}\mu_{03}\mu_{40}\mu_{44} + 8\mu_{11}\mu_{12}\mu_{03}\mu_{31}\mu_{53} - 12\mu_{11}\mu_{12}\mu_{03}\mu_{22}\mu_{62} \\
& +8\mu_{11}\mu_{12}\mu_{03}\mu_{13}\mu_{71} - 2\mu_{11}\mu_{12}\mu_{03}\mu_{04}\mu_{80} + \mu_{02}\mu_{30}^2\mu_{40}\mu_{08} \\
& -4\mu_{02}\mu_{30}^2\mu_{31}\mu_{17} + 6\mu_{02}\mu_{30}^2\mu_{22}\mu_{26} - 4\mu_{02}\mu_{30}^2\mu_{13}\mu_{35} + \mu_{02}\mu_{30}^2\mu_{04}\mu_{44} \\
& -4\mu_{02}\mu_{30}\mu_{21}\mu_{40}\mu_{17} + 16\mu_{02}\mu_{30}\mu_{21}\mu_{31}\mu_{26} - 24\mu_{02}\mu_{30}\mu_{21}\mu_{22}\mu_{35} \\
& +16\mu_{02}\mu_{30}\mu_{21}\mu_{13}\mu_{44} - 4\mu_{02}\mu_{30}\mu_{21}\mu_{04}\mu_{53} + 3\mu_{02}\mu_{30}\mu_{12}\mu_{40}\mu_{26} \\
& -12\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{35} + 18\mu_{02}\mu_{30}\mu_{12}\mu_{22}\mu_{44} - 12\mu_{02}\mu_{30}\mu_{12}\mu_{13}\mu_{53} \\
& +3\mu_{02}\mu_{30}\mu_{12}\mu_{04}\mu_{62} - \mu_{02}\mu_{30}\mu_{03}\mu_{40}\mu_{35} + 4\mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{44} \\
& -6\mu_{02}\mu_{30}\mu_{03}\mu_{22}\mu_{53} + 4\mu_{02}\mu_{30}\mu_{03}\mu_{13}\mu_{62} - \mu_{02}\mu_{30}\mu_{03}\mu_{04}\mu_{71} \\
& +3\mu_{02}\mu_{21}^2\mu_{40}\mu_{26} - 12\mu_{02}\mu_{21}^2\mu_{31}\mu_{35} + 18\mu_{02}\mu_{21}^2\mu_{22}\mu_{44} - 12\mu_{02}\mu_{21}^2\mu_{13}\mu_{53} \\
& +3\mu_{02}\mu_{21}^2\mu_{04}\mu_{62} - 3\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{35} + 12\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{44} \\
& -18\mu_{02}\mu_{21}\mu_{12}\mu_{22}\mu_{53} + 12\mu_{02}\mu_{21}\mu_{12}\mu_{13}\mu_{62} - 3\mu_{02}\mu_{21}\mu_{12}\mu_{04}\mu_{71} \\
& +\mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{44} - 4\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{53} + 6\mu_{02}\mu_{21}\mu_{03}\mu_{22}\mu_{62} \\
& -4\mu_{02}\mu_{21}\mu_{03}\mu_{13}\mu_{71} + \mu_{02}\mu_{21}\mu_{03}\mu_{04}\mu_{80})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,2,1,0,0,0,1

Generating graph:

| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |



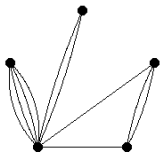
$$
\begin{aligned}
I_{313} \;=\; & (\mu_{20}\mu_{30}\mu_{12}\mu_{40}\mu_{08} - 4\mu_{20}\mu_{30}\mu_{12}\mu_{31}\mu_{17} + 6\mu_{20}\mu_{30}\mu_{12}\mu_{22}\mu_{26} \\
& -4\mu_{20}\mu_{30}\mu_{12}\mu_{13}\mu_{35} + \mu_{20}\mu_{30}\mu_{12}\mu_{04}\mu_{44} - \mu_{20}\mu_{30}\mu_{03}\mu_{40}\mu_{17} \\
& +4\mu_{20}\mu_{30}\mu_{03}\mu_{31}\mu_{26} - 6\mu_{20}\mu_{30}\mu_{03}\mu_{22}\mu_{35} + 4\mu_{20}\mu_{30}\mu_{03}\mu_{13}\mu_{44} \\
& -\mu_{20}\mu_{30}\mu_{03}\mu_{04}\mu_{53} - \mu_{20}\mu_{21}^2\mu_{40}\mu_{08} + 4\mu_{20}\mu_{21}^2\mu_{31}\mu_{17} \\
& -6\mu_{20}\mu_{21}^2\mu_{22}\mu_{26} + 4\mu_{20}\mu_{21}^2\mu_{13}\mu_{35} - \mu_{20}\mu_{21}^2\mu_{04}\mu_{44} \\
& +\mu_{20}\mu_{21}\mu_{12}\mu_{40}\mu_{17} - 4\mu_{20}\mu_{21}\mu_{12}\mu_{31}\mu_{26} + 6\mu_{20}\mu_{21}\mu_{12}\mu_{22}\mu_{35} \\
& -4\mu_{20}\mu_{21}\mu_{12}\mu_{13}\mu_{44} + \mu_{20}\mu_{21}\mu_{12}\mu_{04}\mu_{53} + \mu_{20}\mu_{21}\mu_{03}\mu_{40}\mu_{26} \\
& -4\mu_{20}\mu_{21}\mu_{03}\mu_{31}\mu_{35} + 6\mu_{20}\mu_{21}\mu_{03}\mu_{22}\mu_{44} - 4\mu_{20}\mu_{21}\mu_{03}\mu_{13}\mu_{53} \\
& +\mu_{20}\mu_{21}\mu_{03}\mu_{04}\mu_{62} - \mu_{20}\mu_{12}^2\mu_{40}\mu_{26} + 4\mu_{20}\mu_{12}^2\mu_{31}\mu_{35} \\
& -6\mu_{20}\mu_{12}^2\mu_{22}\mu_{44} + 4\mu_{20}\mu_{12}^2\mu_{13}\mu_{53} - \mu_{20}\mu_{12}^2\mu_{04}\mu_{62} \\
& -2\mu_{11}\mu_{30}\mu_{12}\mu_{40}\mu_{17} + 8\mu_{11}\mu_{30}\mu_{12}\mu_{31}\mu_{26} - 12\mu_{11}\mu_{30}\mu_{12}\mu_{22}\mu_{35} \\
& +8\mu_{11}\mu_{30}\mu_{12}\mu_{13}\mu_{44} - 2\mu_{11}\mu_{30}\mu_{12}\mu_{04}\mu_{53} + 2\mu_{11}\mu_{30}\mu_{03}\mu_{40}\mu_{26} \\
& -8\mu_{11}\mu_{30}\mu_{03}\mu_{31}\mu_{35} + 12\mu_{11}\mu_{30}\mu_{03}\mu_{22}\mu_{44} - 8\mu_{11}\mu_{30}\mu_{03}\mu_{13}\mu_{53} \\
& +2\mu_{11}\mu_{30}\mu_{03}\mu_{04}\mu_{62} + 2\mu_{11}\mu_{21}^2\mu_{40}\mu_{17} - 8\mu_{11}\mu_{21}^2\mu_{31}\mu_{26} \\
& +12\mu_{11}\mu_{21}^2\mu_{22}\mu_{35} - 8\mu_{11}\mu_{21}^2\mu_{13}\mu_{44} + 2\mu_{11}\mu_{21}^2\mu_{04}\mu_{53} \\
& -2\mu_{11}\mu_{21}\mu_{12}\mu_{40}\mu_{26} + 8\mu_{11}\mu_{21}\mu_{12}\mu_{31}\mu_{35} - 12\mu_{11}\mu_{21}\mu_{12}\mu_{22}\mu_{44} \\
& +8\mu_{11}\mu_{21}\mu_{12}\mu_{13}\mu_{53} - 2\mu_{11}\mu_{21}\mu_{12}\mu_{04}\mu_{62} - 2\mu_{11}\mu_{21}\mu_{03}\mu_{40}\mu_{35} \\
& +8\mu_{11}\mu_{21}\mu_{03}\mu_{31}\mu_{44} - 12\mu_{11}\mu_{21}\mu_{03}\mu_{22}\mu_{53} + 8\mu_{11}\mu_{21}\mu_{03}\mu_{13}\mu_{62} \\
& -2\mu_{11}\mu_{21}\mu_{03}\mu_{04}\mu_{71} + 2\mu_{11}\mu_{12}^2\mu_{40}\mu_{35} - 8\mu_{11}\mu_{12}^2\mu_{31}\mu_{44} \\
& +12\mu_{11}\mu_{12}^2\mu_{22}\mu_{53} - 8\mu_{11}\mu_{12}^2\mu_{13}\mu_{62} + 2\mu_{11}\mu_{12}^2\mu_{04}\mu_{71} \\
& +\mu_{02}\mu_{30}\mu_{12}\mu_{40}\mu_{26} - 4\mu_{02}\mu_{30}\mu_{12}\mu_{31}\mu_{35} + 6\mu_{02}\mu_{30}\mu_{12}\mu_{22}\mu_{44} \\
& -4\mu_{02}\mu_{30}\mu_{12}\mu_{13}\mu_{53} + \mu_{02}\mu_{30}\mu_{12}\mu_{04}\mu_{62} - \mu_{02}\mu_{30}\mu_{03}\mu_{40}\mu_{35} \\
& +4\mu_{02}\mu_{30}\mu_{03}\mu_{31}\mu_{44} - 6\mu_{02}\mu_{30}\mu_{03}\mu_{22}\mu_{53} + 4\mu_{02}\mu_{30}\mu_{03}\mu_{13}\mu_{62} \\
& -\mu_{02}\mu_{30}\mu_{03}\mu_{04}\mu_{71} - \mu_{02}\mu_{21}^2\mu_{40}\mu_{26} + 4\mu_{02}\mu_{21}^2\mu_{31}\mu_{35} \\
& -6\mu_{02}\mu_{21}^2\mu_{22}\mu_{44} + 4\mu_{02}\mu_{21}^2\mu_{13}\mu_{53} - \mu_{02}\mu_{21}^2\mu_{04}\mu_{62} \\
& +\mu_{02}\mu_{21}\mu_{12}\mu_{40}\mu_{35} - 4\mu_{02}\mu_{21}\mu_{12}\mu_{31}\mu_{44} + 6\mu_{02}\mu_{21}\mu_{12}\mu_{22}\mu_{53} \\
& -4\mu_{02}\mu_{21}\mu_{12}\mu_{13}\mu_{62} + \mu_{02}\mu_{21}\mu_{12}\mu_{04}\mu_{71} + \mu_{02}\mu_{21}\mu_{03}\mu_{40}\mu_{44} \\
& -4\mu_{02}\mu_{21}\mu_{03}\mu_{31}\mu_{53} + 6\mu_{02}\mu_{21}\mu_{03}\mu_{22}\mu_{62} - 4\mu_{02}\mu_{21}\mu_{03}\mu_{13}\mu_{71} \\
& +\mu_{02}\mu_{21}\mu_{03}\mu_{04}\mu_{80} - \mu_{02}\mu_{12}^2\mu_{40}\mu_{44} + 4\mu_{02}\mu_{12}^2\mu_{31}\mu_{53} \\
& -6\mu_{02}\mu_{12}^2\mu_{22}\mu_{62} + 4\mu_{02}\mu_{12}^2\mu_{13}\mu_{71} - \mu_{02}\mu_{12}^2\mu_{04}\mu_{80})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,2,1,0,0,0,1

Generating graph:

| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



**Simultaneous invariants of the orders 2, 3, 5 and 8**

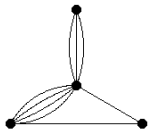
$$
\begin{aligned}
I_{314} \;=\; & (-\mu_{20}\mu_{30}\mu_{41}\mu_{08} + 4\mu_{20}\mu_{30}\mu_{32}\mu_{17} - 6\mu_{20}\mu_{30}\mu_{23}\mu_{26} + 4\mu_{20}\mu_{30}\mu_{14}\mu_{35} \\
& -\mu_{20}\mu_{30}\mu_{05}\mu_{44} + 3\mu_{20}\mu_{21}\mu_{41}\mu_{17} - 12\mu_{20}\mu_{21}\mu_{32}\mu_{26} + 18\mu_{20}\mu_{21}\mu_{23}\mu_{35} \\
& -12\mu_{20}\mu_{21}\mu_{14}\mu_{44} + 3\mu_{20}\mu_{21}\mu_{05}\mu_{53} - 3\mu_{20}\mu_{12}\mu_{41}\mu_{26} + 12\mu_{20}\mu_{12}\mu_{32}\mu_{35} \\
& -18\mu_{20}\mu_{12}\mu_{23}\mu_{44} + 12\mu_{20}\mu_{12}\mu_{14}\mu_{53} - 3\mu_{20}\mu_{12}\mu_{05}\mu_{62} + \mu_{20}\mu_{03}\mu_{41}\mu_{35} \\
& -4\mu_{20}\mu_{03}\mu_{32}\mu_{44} + 6\mu_{20}\mu_{03}\mu_{23}\mu_{53} - 4\mu_{20}\mu_{03}\mu_{14}\mu_{62} + \mu_{20}\mu_{03}\mu_{05}\mu_{71} \\
& +\mu_{11}\mu_{30}\mu_{50}\mu_{08} - 3\mu_{11}\mu_{30}\mu_{41}\mu_{17} + 2\mu_{11}\mu_{30}\mu_{32}\mu_{26} + 2\mu_{11}\mu_{30}\mu_{23}\mu_{35} \\
& -3\mu_{11}\mu_{30}\mu_{14}\mu_{44} + \mu_{11}\mu_{30}\mu_{05}\mu_{53} - 3\mu_{11}\mu_{21}\mu_{50}\mu_{17} + 9\mu_{11}\mu_{21}\mu_{41}\mu_{26} \\
& -6\mu_{11}\mu_{21}\mu_{32}\mu_{35} - 6\mu_{11}\mu_{21}\mu_{23}\mu_{44} + 9\mu_{11}\mu_{21}\mu_{14}\mu_{53} - 3\mu_{11}\mu_{21}\mu_{05}\mu_{62} \\
& +3\mu_{11}\mu_{12}\mu_{50}\mu_{26} - 9\mu_{11}\mu_{12}\mu_{41}\mu_{35} + 6\mu_{11}\mu_{12}\mu_{32}\mu_{44} + 6\mu_{11}\mu_{12}\mu_{23}\mu_{53} \\
& -9\mu_{11}\mu_{12}\mu_{14}\mu_{62} + 3\mu_{11}\mu_{12}\mu_{05}\mu_{71} - \mu_{11}\mu_{03}\mu_{50}\mu_{35} + 3\mu_{11}\mu_{03}\mu_{41}\mu_{44} \\
& -2\mu_{11}\mu_{03}\mu_{32}\mu_{53} - 2\mu_{11}\mu_{03}\mu_{23}\mu_{62} + 3\mu_{11}\mu_{03}\mu_{14}\mu_{71} - \mu_{11}\mu_{03}\mu_{05}\mu_{80} \\
& -\mu_{02}\mu_{30}\mu_{50}\mu_{17} + 4\mu_{02}\mu_{30}\mu_{41}\mu_{26} - 6\mu_{02}\mu_{30}\mu_{32}\mu_{35} + 4\mu_{02}\mu_{30}\mu_{23}\mu_{44} \\
& -\mu_{02}\mu_{30}\mu_{14}\mu_{53} + 3\mu_{02}\mu_{21}\mu_{50}\mu_{26} - 12\mu_{02}\mu_{21}\mu_{41}\mu_{35} + 18\mu_{02}\mu_{21}\mu_{32}\mu_{44} \\
& -12\mu_{02}\mu_{21}\mu_{23}\mu_{53} + 3\mu_{02}\mu_{21}\mu_{14}\mu_{62} - 3\mu_{02}\mu_{12}\mu_{50}\mu_{35} + 12\mu_{02}\mu_{12}\mu_{41}\mu_{44} \\
& -18\mu_{02}\mu_{12}\mu_{32}\mu_{53} + 12\mu_{02}\mu_{12}\mu_{23}\mu_{62} - 3\mu_{02}\mu_{12}\mu_{14}\mu_{71} + \mu_{02}\mu_{03}\mu_{50}\mu_{44} \\
& -4\mu_{02}\mu_{03}\mu_{41}\mu_{53} + 6\mu_{02}\mu_{03}\mu_{32}\mu_{62} - 4\mu_{02}\mu_{03}\mu_{23}\mu_{71} + \mu_{02}\mu_{03}\mu_{14}\mu_{80})/\mu_{00}^{13}
\end{aligned}
$$

weight=9

structure: 1,1,0,1,0,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 |



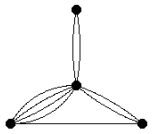
$$
\begin{aligned}
I_{315} \;=\; & (-\mu_{20}\mu_{30}\mu_{41}\mu_{08} + 4\mu_{20}\mu_{30}\mu_{32}\mu_{17} - 6\mu_{20}\mu_{30}\mu_{23}\mu_{26} + 4\mu_{20}\mu_{30}\mu_{14}\mu_{35} \\
& -\mu_{20}\mu_{30}\mu_{05}\mu_{44} + \mu_{20}\mu_{21}\mu_{50}\mu_{08} - 2\mu_{20}\mu_{21}\mu_{41}\mu_{17} - 2\mu_{20}\mu_{21}\mu_{32}\mu_{26} \\
& +8\mu_{20}\mu_{21}\mu_{23}\mu_{35} - 7\mu_{20}\mu_{21}\mu_{14}\mu_{44} + 2\mu_{20}\mu_{21}\mu_{05}\mu_{53} - 2\mu_{20}\mu_{12}\mu_{50}\mu_{17} \\
& +7\mu_{20}\mu_{12}\mu_{41}\mu_{26} - 8\mu_{20}\mu_{12}\mu_{32}\mu_{35} + 2\mu_{20}\mu_{12}\mu_{23}\mu_{44} + 2\mu_{20}\mu_{12}\mu_{14}\mu_{53} \\
& -\mu_{20}\mu_{12}\mu_{05}\mu_{62} + \mu_{20}\mu_{03}\mu_{50}\mu_{26} - 4\mu_{20}\mu_{03}\mu_{41}\mu_{35} + 6\mu_{20}\mu_{03}\mu_{32}\mu_{44} \\
& -4\mu_{20}\mu_{03}\mu_{23}\mu_{53} + \mu_{20}\mu_{03}\mu_{14}\mu_{62} + 2\mu_{11}\mu_{30}\mu_{41}\mu_{17} - 8\mu_{11}\mu_{30}\mu_{32}\mu_{26} \\
& +12\mu_{11}\mu_{30}\mu_{23}\mu_{35} - 8\mu_{11}\mu_{30}\mu_{14}\mu_{44} + 2\mu_{11}\mu_{30}\mu_{05}\mu_{53} - 2\mu_{11}\mu_{21}\mu_{50}\mu_{17} \\
& +4\mu_{11}\mu_{21}\mu_{41}\mu_{26} + 4\mu_{11}\mu_{21}\mu_{32}\mu_{35} - 16\mu_{11}\mu_{21}\mu_{23}\mu_{44} + 14\mu_{11}\mu_{21}\mu_{14}\mu_{53} \\
& -4\mu_{11}\mu_{21}\mu_{05}\mu_{62} + 4\mu_{11}\mu_{12}\mu_{50}\mu_{26} - 14\mu_{11}\mu_{12}\mu_{41}\mu_{35} + 16\mu_{11}\mu_{12}\mu_{32}\mu_{44} \\
& -4\mu_{11}\mu_{12}\mu_{23}\mu_{53} - 4\mu_{11}\mu_{12}\mu_{14}\mu_{62} + 2\mu_{11}\mu_{12}\mu_{05}\mu_{71} - 2\mu_{11}\mu_{03}\mu_{50}\mu_{35} \\
& +8\mu_{11}\mu_{03}\mu_{41}\mu_{44} - 12\mu_{11}\mu_{03}\mu_{32}\mu_{53} + 8\mu_{11}\mu_{03}\mu_{23}\mu_{62} - 2\mu_{11}\mu_{03}\mu_{14}\mu_{71} \\
& -\mu_{02}\mu_{30}\mu_{41}\mu_{26} + 4\mu_{02}\mu_{30}\mu_{32}\mu_{35} - 6\mu_{02}\mu_{30}\mu_{23}\mu_{44} + 4\mu_{02}\mu_{30}\mu_{14}\mu_{53} \\
& -\mu_{02}\mu_{30}\mu_{05}\mu_{62} + \mu_{02}\mu_{21}\mu_{50}\mu_{26} - 2\mu_{02}\mu_{21}\mu_{41}\mu_{35} - 2\mu_{02}\mu_{21}\mu_{32}\mu_{44} \\
& +8\mu_{02}\mu_{21}\mu_{23}\mu_{53} - 7\mu_{02}\mu_{21}\mu_{14}\mu_{62} + 2\mu_{02}\mu_{21}\mu_{05}\mu_{71} - 2\mu_{02}\mu_{12}\mu_{50}\mu_{35} \\
& +7\mu_{02}\mu_{12}\mu_{41}\mu_{44} - 8\mu_{02}\mu_{12}\mu_{32}\mu_{53} + 2\mu_{02}\mu_{12}\mu_{23}\mu_{62} + 2\mu_{02}\mu_{12}\mu_{14}\mu_{71} \\
& -\mu_{02}\mu_{12}\mu_{05}\mu_{80} + \mu_{02}\mu_{03}\mu_{50}\mu_{44} - 4\mu_{02}\mu_{03}\mu_{41}\mu_{53} + 6\mu_{02}\mu_{03}\mu_{32}\mu_{62} \\
& -4\mu_{02}\mu_{03}\mu_{23}\mu_{71} + \mu_{02}\mu_{03}\mu_{14}\mu_{80})/\mu_{00}^{13}
\end{aligned}
$$

weight=9

structure: 1,1,0,1,0,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 4 |



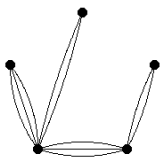
$$
\begin{aligned}
I_{316} \;=\; & (\mu_{20}^2\mu_{30}\mu_{32}\mu_{08} - 3\mu_{20}^2\mu_{30}\mu_{23}\mu_{17} + 3\mu_{20}^2\mu_{30}\mu_{14}\mu_{26} - \mu_{20}^2\mu_{30}\mu_{05}\mu_{35} \\
& -3\mu_{20}^2\mu_{21}\mu_{32}\mu_{17} + 9\mu_{20}^2\mu_{21}\mu_{23}\mu_{26} - 9\mu_{20}^2\mu_{21}\mu_{14}\mu_{35} + 3\mu_{20}^2\mu_{21}\mu_{05}\mu_{44} \\
& +3\mu_{20}^2\mu_{12}\mu_{32}\mu_{26} - 9\mu_{20}^2\mu_{12}\mu_{23}\mu_{35} + 9\mu_{20}^2\mu_{12}\mu_{14}\mu_{44} - 3\mu_{20}^2\mu_{12}\mu_{05}\mu_{53} \\
& -\mu_{20}^2\mu_{03}\mu_{32}\mu_{35} + 3\mu_{20}^2\mu_{03}\mu_{23}\mu_{44} - 3\mu_{20}^2\mu_{03}\mu_{14}\mu_{53} + \mu_{20}^2\mu_{03}\mu_{05}\mu_{62} \\
& -2\mu_{20}\mu_{11}\mu_{30}\mu_{41}\mu_{08} + 4\mu_{20}\mu_{11}\mu_{30}\mu_{32}\mu_{17} - 4\mu_{20}\mu_{11}\mu_{30}\mu_{14}\mu_{35} \\
& +2\mu_{20}\mu_{11}\mu_{30}\mu_{05}\mu_{44} + 6\mu_{20}\mu_{11}\mu_{21}\mu_{41}\mu_{17} - 12\mu_{20}\mu_{11}\mu_{21}\mu_{32}\mu_{26} \\
& +12\mu_{20}\mu_{11}\mu_{21}\mu_{14}\mu_{44} - 6\mu_{20}\mu_{11}\mu_{21}\mu_{05}\mu_{53} - 6\mu_{20}\mu_{11}\mu_{12}\mu_{41}\mu_{26} \\
& +12\mu_{20}\mu_{11}\mu_{12}\mu_{32}\mu_{35} - 12\mu_{20}\mu_{11}\mu_{12}\mu_{14}\mu_{53} + 6\mu_{20}\mu_{11}\mu_{12}\mu_{05}\mu_{62} \\
& +2\mu_{20}\mu_{11}\mu_{03}\mu_{41}\mu_{35} - 4\mu_{20}\mu_{11}\mu_{03}\mu_{32}\mu_{44} + 4\mu_{20}\mu_{11}\mu_{03}\mu_{14}\mu_{62} \\
& -2\mu_{20}\mu_{11}\mu_{03}\mu_{05}\mu_{71} + \mu_{20}\mu_{02}\mu_{30}\mu_{50}\mu_{08} - 3\mu_{20}\mu_{02}\mu_{30}\mu_{41}\mu_{17} \\
& +4\mu_{20}\mu_{02}\mu_{30}\mu_{32}\mu_{26} - 4\mu_{20}\mu_{02}\mu_{30}\mu_{23}\mu_{35} + 3\mu_{20}\mu_{02}\mu_{30}\mu_{14}\mu_{44} \\
& -\mu_{20}\mu_{02}\mu_{30}\mu_{05}\mu_{53} - 3\mu_{20}\mu_{02}\mu_{21}\mu_{50}\mu_{17} + 9\mu_{20}\mu_{02}\mu_{21}\mu_{41}\mu_{26} \\
& -12\mu_{20}\mu_{02}\mu_{21}\mu_{32}\mu_{35} + 12\mu_{20}\mu_{02}\mu_{21}\mu_{23}\mu_{44} - 9\mu_{20}\mu_{02}\mu_{21}\mu_{14}\mu_{53} \\
& +3\mu_{20}\mu_{02}\mu_{21}\mu_{05}\mu_{62} + 3\mu_{20}\mu_{02}\mu_{12}\mu_{50}\mu_{26} - 9\mu_{20}\mu_{02}\mu_{12}\mu_{41}\mu_{35} \\
& +12\mu_{20}\mu_{02}\mu_{12}\mu_{32}\mu_{44} - 12\mu_{20}\mu_{02}\mu_{12}\mu_{23}\mu_{53} + 9\mu_{20}\mu_{02}\mu_{12}\mu_{14}\mu_{62} \\
& -3\mu_{20}\mu_{02}\mu_{12}\mu_{05}\mu_{71} - \mu_{20}\mu_{02}\mu_{03}\mu_{50}\mu_{35} + 3\mu_{20}\mu_{02}\mu_{03}\mu_{41}\mu_{44} \\
& -4\mu_{20}\mu_{02}\mu_{03}\mu_{32}\mu_{53} + 4\mu_{20}\mu_{02}\mu_{03}\mu_{23}\mu_{62} - 3\mu_{20}\mu_{02}\mu_{03}\mu_{14}\mu_{71} \\
& +\mu_{20}\mu_{02}\mu_{03}\mu_{05}\mu_{80} + 4\mu_{11}^2\mu_{30}\mu_{41}\mu_{17} - 12\mu_{11}^2\mu_{30}\mu_{32}\mu_{26} \\
& +12\mu_{11}^2\mu_{30}\mu_{23}\mu_{35} - 4\mu_{11}^2\mu_{30}\mu_{14}\mu_{44} - 12\mu_{11}^2\mu_{21}\mu_{41}\mu_{26} + 36\mu_{11}^2\mu_{21}\mu_{32}\mu_{35} \\
& -36\mu_{11}^2\mu_{21}\mu_{23}\mu_{44} + 12\mu_{11}^2\mu_{21}\mu_{14}\mu_{53} + 12\mu_{11}^2\mu_{12}\mu_{41}\mu_{35} - 36\mu_{11}^2\mu_{12}\mu_{32}\mu_{44} \\
& +36\mu_{11}^2\mu_{12}\mu_{23}\mu_{53} - 12\mu_{11}^2\mu_{12}\mu_{14}\mu_{62} - 4\mu_{11}^2\mu_{03}\mu_{41}\mu_{44} + 12\mu_{11}^2\mu_{03}\mu_{32}\mu_{53} \\
& -12\mu_{11}^2\mu_{03}\mu_{23}\mu_{62} + 4\mu_{11}^2\mu_{03}\mu_{14}\mu_{71} - 2\mu_{11}\mu_{02}\mu_{30}\mu_{50}\mu_{17} \\
& +4\mu_{11}\mu_{02}\mu_{30}\mu_{41}\mu_{26} - 4\mu_{11}\mu_{02}\mu_{30}\mu_{23}\mu_{44} + 2\mu_{11}\mu_{02}\mu_{30}\mu_{14}\mu_{53} \\
& +6\mu_{11}\mu_{02}\mu_{21}\mu_{50}\mu_{26} - 12\mu_{11}\mu_{02}\mu_{21}\mu_{41}\mu_{35} + 12\mu_{11}\mu_{02}\mu_{21}\mu_{23}\mu_{53} \\
& -6\mu_{11}\mu_{02}\mu_{21}\mu_{14}\mu_{62} - 6\mu_{11}\mu_{02}\mu_{12}\mu_{50}\mu_{35} + 12\mu_{11}\mu_{02}\mu_{12}\mu_{41}\mu_{44} \\
& -12\mu_{11}\mu_{02}\mu_{12}\mu_{23}\mu_{62} + 6\mu_{11}\mu_{02}\mu_{12}\mu_{14}\mu_{71} + 2\mu_{11}\mu_{02}\mu_{03}\mu_{50}\mu_{44} \\
& -4\mu_{11}\mu_{02}\mu_{03}\mu_{41}\mu_{53} + 4\mu_{11}\mu_{02}\mu_{03}\mu_{23}\mu_{71} - 2\mu_{11}\mu_{02}\mu_{03}\mu_{14}\mu_{80} \\
& +\mu_{02}^2\mu_{30}\mu_{50}\mu_{26} - 3\mu_{02}^2\mu_{30}\mu_{41}\mu_{35} + 3\mu_{02}^2\mu_{30}\mu_{32}\mu_{44} - \mu_{02}^2\mu_{30}\mu_{23}\mu_{53} \\
& -3\mu_{02}^2\mu_{21}\mu_{50}\mu_{35} + 9\mu_{02}^2\mu_{21}\mu_{41}\mu_{44} - 9\mu_{02}^2\mu_{21}\mu_{32}\mu_{53} + 3\mu_{02}^2\mu_{21}\mu_{23}\mu_{62} \\
& +3\mu_{02}^2\mu_{12}\mu_{50}\mu_{44} - 9\mu_{02}^2\mu_{12}\mu_{41}\mu_{53} + 9\mu_{02}^2\mu_{12}\mu_{32}\mu_{62} - 3\mu_{02}^2\mu_{12}\mu_{23}\mu_{71} \\
& -\mu_{02}^2\mu_{03}\mu_{50}\mu_{53} + 3\mu_{02}^2\mu_{03}\mu_{41}\mu_{62} - 3\mu_{02}^2\mu_{03}\mu_{32}\mu_{71} + \mu_{02}^2\mu_{03}\mu_{23}\mu_{80})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 2,1,0,1,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 |



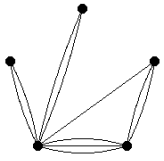
$$
\begin{aligned}
I_{317} \;=\; & (\mu_{20}^2\mu_{30}\mu_{32}\mu_{08} - 3\mu_{20}^2\mu_{30}\mu_{23}\mu_{17} + 3\mu_{20}^2\mu_{30}\mu_{14}\mu_{26} - \mu_{20}^2\mu_{30}\mu_{05}\mu_{35} \\
& -2\mu_{20}^2\mu_{21}\mu_{41}\mu_{08} + 5\mu_{20}^2\mu_{21}\mu_{32}\mu_{17} - 3\mu_{20}^2\mu_{21}\mu_{23}\mu_{26} - \mu_{20}^2\mu_{21}\mu_{14}\mu_{35} \\
& +\mu_{20}^2\mu_{21}\mu_{05}\mu_{44} + \mu_{20}^2\mu_{12}\mu_{50}\mu_{08} - \mu_{20}^2\mu_{12}\mu_{41}\mu_{17} - 3\mu_{20}^2\mu_{12}\mu_{32}\mu_{26} \\
& +5\mu_{20}^2\mu_{12}\mu_{23}\mu_{35} - 2\mu_{20}^2\mu_{12}\mu_{14}\mu_{44} - \mu_{20}^2\mu_{03}\mu_{50}\mu_{17} + 3\mu_{20}^2\mu_{03}\mu_{41}\mu_{26} \\
& -3\mu_{20}^2\mu_{03}\mu_{32}\mu_{35} + \mu_{20}^2\mu_{03}\mu_{23}\mu_{44} - 4\mu_{20}\mu_{11}\mu_{30}\mu_{32}\mu_{17} \\
& +12\mu_{20}\mu_{11}\mu_{30}\mu_{23}\mu_{26} - 12\mu_{20}\mu_{11}\mu_{30}\mu_{14}\mu_{35} + 4\mu_{20}\mu_{11}\mu_{30}\mu_{05}\mu_{44} \\
& +8\mu_{20}\mu_{11}\mu_{21}\mu_{41}\mu_{17} - 20\mu_{20}\mu_{11}\mu_{21}\mu_{32}\mu_{26} + 12\mu_{20}\mu_{11}\mu_{21}\mu_{23}\mu_{35} \\
& +4\mu_{20}\mu_{11}\mu_{21}\mu_{14}\mu_{44} - 4\mu_{20}\mu_{11}\mu_{21}\mu_{05}\mu_{53} - 4\mu_{20}\mu_{11}\mu_{12}\mu_{50}\mu_{17} \\
& +4\mu_{20}\mu_{11}\mu_{12}\mu_{41}\mu_{26} + 12\mu_{20}\mu_{11}\mu_{12}\mu_{32}\mu_{35} - 20\mu_{20}\mu_{11}\mu_{12}\mu_{23}\mu_{44} \\
& +8\mu_{20}\mu_{11}\mu_{12}\mu_{14}\mu_{53} + 4\mu_{20}\mu_{11}\mu_{03}\mu_{50}\mu_{26} - 12\mu_{20}\mu_{11}\mu_{03}\mu_{41}\mu_{35} \\
& +12\mu_{20}\mu_{11}\mu_{03}\mu_{32}\mu_{44} - 4\mu_{20}\mu_{11}\mu_{03}\mu_{23}\mu_{53} + 2\mu_{20}\mu_{02}\mu_{30}\mu_{32}\mu_{26} \\
& -6\mu_{20}\mu_{02}\mu_{30}\mu_{23}\mu_{35} + 6\mu_{20}\mu_{02}\mu_{30}\mu_{14}\mu_{44} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{05}\mu_{53} \\
& -4\mu_{20}\mu_{02}\mu_{21}\mu_{41}\mu_{26} + 10\mu_{20}\mu_{02}\mu_{21}\mu_{32}\mu_{35} - 6\mu_{20}\mu_{02}\mu_{21}\mu_{23}\mu_{44} \\
& -2\mu_{20}\mu_{02}\mu_{21}\mu_{14}\mu_{53} + 2\mu_{20}\mu_{02}\mu_{21}\mu_{05}\mu_{62} + 2\mu_{20}\mu_{02}\mu_{12}\mu_{50}\mu_{26} \\
& -2\mu_{20}\mu_{02}\mu_{12}\mu_{41}\mu_{35} - 6\mu_{20}\mu_{02}\mu_{12}\mu_{32}\mu_{44} + 10\mu_{20}\mu_{02}\mu_{12}\mu_{23}\mu_{53} \\
& -4\mu_{20}\mu_{02}\mu_{12}\mu_{14}\mu_{62} - 2\mu_{20}\mu_{02}\mu_{03}\mu_{50}\mu_{35} + 6\mu_{20}\mu_{02}\mu_{03}\mu_{41}\mu_{44} \\
& -6\mu_{20}\mu_{02}\mu_{03}\mu_{32}\mu_{53} + 2\mu_{20}\mu_{02}\mu_{03}\mu_{23}\mu_{62} + 4\mu_{11}^2\mu_{30}\mu_{32}\mu_{26} \\
& -12\mu_{11}^2\mu_{30}\mu_{23}\mu_{35} + 12\mu_{11}^2\mu_{30}\mu_{14}\mu_{44} - 4\mu_{11}^2\mu_{30}\mu_{05}\mu_{53} - 8\mu_{11}^2\mu_{21}\mu_{41}\mu_{26} \\
& +20\mu_{11}^2\mu_{21}\mu_{32}\mu_{35} - 12\mu_{11}^2\mu_{21}\mu_{23}\mu_{44} - 4\mu_{11}^2\mu_{21}\mu_{14}\mu_{53} + 4\mu_{11}^2\mu_{21}\mu_{05}\mu_{62} \\
& +4\mu_{11}^2\mu_{12}\mu_{50}\mu_{26} - 4\mu_{11}^2\mu_{12}\mu_{41}\mu_{35} - 12\mu_{11}^2\mu_{12}\mu_{32}\mu_{44} + 20\mu_{11}^2\mu_{12}\mu_{23}\mu_{53} \\
& -8\mu_{11}^2\mu_{12}\mu_{14}\mu_{62} - 4\mu_{11}^2\mu_{03}\mu_{50}\mu_{35} + 12\mu_{11}^2\mu_{03}\mu_{41}\mu_{44} - 12\mu_{11}^2\mu_{03}\mu_{32}\mu_{53} \\
& +4\mu_{11}^2\mu_{03}\mu_{23}\mu_{62} - 4\mu_{11}\mu_{02}\mu_{30}\mu_{32}\mu_{35} + 12\mu_{11}\mu_{02}\mu_{30}\mu_{23}\mu_{44} \\
& -12\mu_{11}\mu_{02}\mu_{30}\mu_{14}\mu_{53} + 4\mu_{11}\mu_{02}\mu_{30}\mu_{05}\mu_{62} + 8\mu_{11}\mu_{02}\mu_{21}\mu_{41}\mu_{35} \\
& -20\mu_{11}\mu_{02}\mu_{21}\mu_{32}\mu_{44} + 12\mu_{11}\mu_{02}\mu_{21}\mu_{23}\mu_{53} + 4\mu_{11}\mu_{02}\mu_{21}\mu_{14}\mu_{62} \\
& -4\mu_{11}\mu_{02}\mu_{21}\mu_{05}\mu_{71} - 4\mu_{11}\mu_{02}\mu_{12}\mu_{50}\mu_{35} + 4\mu_{11}\mu_{02}\mu_{12}\mu_{41}\mu_{44} \\
& +12\mu_{11}\mu_{02}\mu_{12}\mu_{32}\mu_{53} - 20\mu_{11}\mu_{02}\mu_{12}\mu_{23}\mu_{62} + 8\mu_{11}\mu_{02}\mu_{12}\mu_{14}\mu_{71} \\
& +4\mu_{11}\mu_{02}\mu_{03}\mu_{50}\mu_{44} - 12\mu_{11}\mu_{02}\mu_{03}\mu_{41}\mu_{53} + 12\mu_{11}\mu_{02}\mu_{03}\mu_{32}\mu_{62} \\
& -4\mu_{11}\mu_{02}\mu_{03}\mu_{23}\mu_{71} + \mu_{02}^2\mu_{30}\mu_{32}\mu_{44} - 3\mu_{02}^2\mu_{30}\mu_{23}\mu_{53} \\
& +3\mu_{02}^2\mu_{30}\mu_{14}\mu_{62} - \mu_{02}^2\mu_{30}\mu_{05}\mu_{71} - 2\mu_{02}^2\mu_{21}\mu_{41}\mu_{44} + 5\mu_{02}^2\mu_{21}\mu_{32}\mu_{53} \\
& -3\mu_{02}^2\mu_{21}\mu_{23}\mu_{62} - \mu_{02}^2\mu_{21}\mu_{14}\mu_{71} + \mu_{02}^2\mu_{21}\mu_{05}\mu_{80} + \mu_{02}^2\mu_{12}\mu_{50}\mu_{44} \\
& -\mu_{02}^2\mu_{12}\mu_{41}\mu_{53} - 3\mu_{02}^2\mu_{12}\mu_{32}\mu_{62} + 5\mu_{02}^2\mu_{12}\mu_{23}\mu_{71} - 2\mu_{02}^2\mu_{12}\mu_{14}\mu_{80} \\
& -\mu_{02}^2\mu_{03}\mu_{50}\mu_{53} + 3\mu_{02}^2\mu_{03}\mu_{41}\mu_{62} - 3\mu_{02}^2\mu_{03}\mu_{32}\mu_{71} + \mu_{02}^2\mu_{03}\mu_{23}\mu_{80})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 2,1,0,1,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



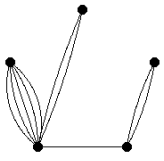
$$
\begin{aligned}
I_{318} \;=\; & (\mu_{20}^2\mu_{12}\mu_{50}\mu_{08} - 5\mu_{20}^2\mu_{12}\mu_{41}\mu_{17} + 10\mu_{20}^2\mu_{12}\mu_{32}\mu_{26} - 10\mu_{20}^2\mu_{12}\mu_{23}\mu_{35} \\
& +5\mu_{20}^2\mu_{12}\mu_{14}\mu_{44} - \mu_{20}^2\mu_{12}\mu_{05}\mu_{53} - \mu_{20}^2\mu_{03}\mu_{50}\mu_{17} + 5\mu_{20}^2\mu_{03}\mu_{41}\mu_{26} \\
& -10\mu_{20}^2\mu_{03}\mu_{32}\mu_{35} + 10\mu_{20}^2\mu_{03}\mu_{23}\mu_{44} - 5\mu_{20}^2\mu_{03}\mu_{14}\mu_{53} + \mu_{20}^2\mu_{03}\mu_{05}\mu_{62} \\
& -2\mu_{20}\mu_{11}\mu_{21}\mu_{50}\mu_{08} + 10\mu_{20}\mu_{11}\mu_{21}\mu_{41}\mu_{17} - 20\mu_{20}\mu_{11}\mu_{21}\mu_{32}\mu_{26} \\
& +20\mu_{20}\mu_{11}\mu_{21}\mu_{23}\mu_{35} - 10\mu_{20}\mu_{11}\mu_{21}\mu_{14}\mu_{44} + 2\mu_{20}\mu_{11}\mu_{21}\mu_{05}\mu_{53} \\
& +2\mu_{20}\mu_{11}\mu_{03}\mu_{50}\mu_{26} - 10\mu_{20}\mu_{11}\mu_{03}\mu_{41}\mu_{35} + 20\mu_{20}\mu_{11}\mu_{03}\mu_{32}\mu_{44} \\
& -20\mu_{20}\mu_{11}\mu_{03}\mu_{23}\mu_{53} + 10\mu_{20}\mu_{11}\mu_{03}\mu_{14}\mu_{62} - 2\mu_{20}\mu_{11}\mu_{03}\mu_{05}\mu_{71} \\
& +\mu_{20}\mu_{02}\mu_{30}\mu_{50}\mu_{08} - 5\mu_{20}\mu_{02}\mu_{30}\mu_{41}\mu_{17} + 10\mu_{20}\mu_{02}\mu_{30}\mu_{32}\mu_{26} \\
& -10\mu_{20}\mu_{02}\mu_{30}\mu_{23}\mu_{35} + 5\mu_{20}\mu_{02}\mu_{30}\mu_{14}\mu_{44} - \mu_{20}\mu_{02}\mu_{30}\mu_{05}\mu_{53} \\
& -\mu_{20}\mu_{02}\mu_{21}\mu_{50}\mu_{17} + 5\mu_{20}\mu_{02}\mu_{21}\mu_{41}\mu_{26} - 10\mu_{20}\mu_{02}\mu_{21}\mu_{32}\mu_{35} \\
& +10\mu_{20}\mu_{02}\mu_{21}\mu_{23}\mu_{44} - 5\mu_{20}\mu_{02}\mu_{21}\mu_{14}\mu_{53} + \mu_{20}\mu_{02}\mu_{21}\mu_{05}\mu_{62} \\
& +\mu_{20}\mu_{02}\mu_{12}\mu_{50}\mu_{26} - 5\mu_{20}\mu_{02}\mu_{12}\mu_{41}\mu_{35} + 10\mu_{20}\mu_{02}\mu_{12}\mu_{32}\mu_{44} \\
& -10\mu_{20}\mu_{02}\mu_{12}\mu_{23}\mu_{53} + 5\mu_{20}\mu_{02}\mu_{12}\mu_{14}\mu_{62} - \mu_{20}\mu_{02}\mu_{12}\mu_{05}\mu_{71} \\
& -\mu_{20}\mu_{02}\mu_{03}\mu_{50}\mu_{35} + 5\mu_{20}\mu_{02}\mu_{03}\mu_{41}\mu_{44} - 10\mu_{20}\mu_{02}\mu_{03}\mu_{32}\mu_{53} \\
& +10\mu_{20}\mu_{02}\mu_{03}\mu_{23}\mu_{62} - 5\mu_{20}\mu_{02}\mu_{03}\mu_{14}\mu_{71} + \mu_{20}\mu_{02}\mu_{03}\mu_{05}\mu_{80} \\
& +4\mu_{11}^2\mu_{21}\mu_{50}\mu_{17} - 20\mu_{11}^2\mu_{21}\mu_{41}\mu_{26} + 40\mu_{11}^2\mu_{21}\mu_{32}\mu_{35} - 40\mu_{11}^2\mu_{21}\mu_{23}\mu_{44} \\
& +20\mu_{11}^2\mu_{21}\mu_{14}\mu_{53} - 4\mu_{11}^2\mu_{21}\mu_{05}\mu_{62} - 4\mu_{11}^2\mu_{12}\mu_{50}\mu_{26} + 20\mu_{11}^2\mu_{12}\mu_{41}\mu_{35} \\
& -40\mu_{11}^2\mu_{12}\mu_{32}\mu_{44} + 40\mu_{11}^2\mu_{12}\mu_{23}\mu_{53} - 20\mu_{11}^2\mu_{12}\mu_{14}\mu_{62} + 4\mu_{11}^2\mu_{12}\mu_{05}\mu_{71} \\
& -2\mu_{11}\mu_{02}\mu_{30}\mu_{50}\mu_{17} + 10\mu_{11}\mu_{02}\mu_{30}\mu_{41}\mu_{26} - 20\mu_{11}\mu_{02}\mu_{30}\mu_{32}\mu_{35} \\
& +20\mu_{11}\mu_{02}\mu_{30}\mu_{23}\mu_{44} - 10\mu_{11}\mu_{02}\mu_{30}\mu_{14}\mu_{53} + 2\mu_{11}\mu_{02}\mu_{30}\mu_{05}\mu_{62} \\
& +2\mu_{11}\mu_{02}\mu_{12}\mu_{50}\mu_{35} - 10\mu_{11}\mu_{02}\mu_{12}\mu_{41}\mu_{44} + 20\mu_{11}\mu_{02}\mu_{12}\mu_{32}\mu_{53} \\
& -20\mu_{11}\mu_{02}\mu_{12}\mu_{23}\mu_{62} + 10\mu_{11}\mu_{02}\mu_{12}\mu_{14}\mu_{71} - 2\mu_{11}\mu_{02}\mu_{12}\mu_{05}\mu_{80} \\
& +\mu_{02}^2\mu_{30}\mu_{50}\mu_{26} - 5\mu_{02}^2\mu_{30}\mu_{41}\mu_{35} + 10\mu_{02}^2\mu_{30}\mu_{32}\mu_{44} - 10\mu_{02}^2\mu_{30}\mu_{23}\mu_{53} \\
& +5\mu_{02}^2\mu_{30}\mu_{14}\mu_{62} - \mu_{02}^2\mu_{30}\mu_{05}\mu_{71} - \mu_{02}^2\mu_{21}\mu_{50}\mu_{35} + 5\mu_{02}^2\mu_{21}\mu_{41}\mu_{44} \\
& -10\mu_{02}^2\mu_{21}\mu_{32}\mu_{53} + 10\mu_{02}^2\mu_{21}\mu_{23}\mu_{62} - 5\mu_{02}^2\mu_{21}\mu_{14}\mu_{71} + \mu_{02}^2\mu_{21}\mu_{05}\mu_{80})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 2,1,0,1,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5 |



**Simultaneous invariants of the orders 3, 4, 5 and 8**

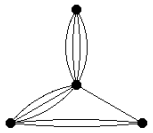
$$
\begin{aligned}
I_{319} \;=\; & (\mu_{30}\mu_{40}\mu_{32}\mu_{08} - 3\mu_{30}\mu_{40}\mu_{23}\mu_{17} + 3\mu_{30}\mu_{40}\mu_{14}\mu_{26} - \mu_{30}\mu_{40}\mu_{05}\mu_{35} \\
& -4\mu_{30}\mu_{31}\mu_{32}\mu_{17} + 12\mu_{30}\mu_{31}\mu_{23}\mu_{26} - 12\mu_{30}\mu_{31}\mu_{14}\mu_{35} + 4\mu_{30}\mu_{31}\mu_{05}\mu_{44} \\
& +6\mu_{30}\mu_{22}\mu_{32}\mu_{26} - 18\mu_{30}\mu_{22}\mu_{23}\mu_{35} + 18\mu_{30}\mu_{22}\mu_{14}\mu_{44} - 6\mu_{30}\mu_{22}\mu_{05}\mu_{53} \\
& -4\mu_{30}\mu_{13}\mu_{32}\mu_{35} + 12\mu_{30}\mu_{13}\mu_{23}\mu_{44} - 12\mu_{30}\mu_{13}\mu_{14}\mu_{53} + 4\mu_{30}\mu_{13}\mu_{05}\mu_{62} \\
& +\mu_{30}\mu_{04}\mu_{32}\mu_{44} - 3\mu_{30}\mu_{04}\mu_{23}\mu_{53} + 3\mu_{30}\mu_{04}\mu_{14}\mu_{62} - \mu_{30}\mu_{04}\mu_{05}\mu_{71} \\
& -2\mu_{21}\mu_{40}\mu_{41}\mu_{08} + 5\mu_{21}\mu_{40}\mu_{32}\mu_{17} - 3\mu_{21}\mu_{40}\mu_{23}\mu_{26} - \mu_{21}\mu_{40}\mu_{14}\mu_{35} \\
& +\mu_{21}\mu_{40}\mu_{05}\mu_{44} + 8\mu_{21}\mu_{31}\mu_{41}\mu_{17} - 20\mu_{21}\mu_{31}\mu_{32}\mu_{26} + 12\mu_{21}\mu_{31}\mu_{23}\mu_{35} \\
& +4\mu_{21}\mu_{31}\mu_{14}\mu_{44} - 4\mu_{21}\mu_{31}\mu_{05}\mu_{53} - 12\mu_{21}\mu_{22}\mu_{41}\mu_{26} + 30\mu_{21}\mu_{22}\mu_{32}\mu_{35} \\
& -18\mu_{21}\mu_{22}\mu_{23}\mu_{44} - 6\mu_{21}\mu_{22}\mu_{14}\mu_{53} + 6\mu_{21}\mu_{22}\mu_{05}\mu_{62} + 8\mu_{21}\mu_{13}\mu_{41}\mu_{35} \\
& -20\mu_{21}\mu_{13}\mu_{32}\mu_{44} + 12\mu_{21}\mu_{13}\mu_{23}\mu_{53} + 4\mu_{21}\mu_{13}\mu_{14}\mu_{62} - 4\mu_{21}\mu_{13}\mu_{05}\mu_{71} \\
& -2\mu_{21}\mu_{04}\mu_{41}\mu_{44} + 5\mu_{21}\mu_{04}\mu_{32}\mu_{53} - 3\mu_{21}\mu_{04}\mu_{23}\mu_{62} - \mu_{21}\mu_{04}\mu_{14}\mu_{71} \\
& +\mu_{21}\mu_{04}\mu_{05}\mu_{80} + \mu_{12}\mu_{40}\mu_{50}\mu_{08} - \mu_{12}\mu_{40}\mu_{41}\mu_{17} - 3\mu_{12}\mu_{40}\mu_{32}\mu_{26} \\
& +5\mu_{12}\mu_{40}\mu_{23}\mu_{35} - 2\mu_{12}\mu_{40}\mu_{14}\mu_{44} - 4\mu_{12}\mu_{31}\mu_{50}\mu_{17} + 4\mu_{12}\mu_{31}\mu_{41}\mu_{26} \\
& +12\mu_{12}\mu_{31}\mu_{32}\mu_{35} - 20\mu_{12}\mu_{31}\mu_{23}\mu_{44} + 8\mu_{12}\mu_{31}\mu_{14}\mu_{53} + 6\mu_{12}\mu_{22}\mu_{50}\mu_{26} \\
& -6\mu_{12}\mu_{22}\mu_{41}\mu_{35} - 18\mu_{12}\mu_{22}\mu_{32}\mu_{44} + 30\mu_{12}\mu_{22}\mu_{23}\mu_{53} - 12\mu_{12}\mu_{22}\mu_{14}\mu_{62} \\
& -4\mu_{12}\mu_{13}\mu_{50}\mu_{35} + 4\mu_{12}\mu_{13}\mu_{41}\mu_{44} + 12\mu_{12}\mu_{13}\mu_{32}\mu_{53} - 20\mu_{12}\mu_{13}\mu_{23}\mu_{62} \\
& +8\mu_{12}\mu_{13}\mu_{14}\mu_{71} + \mu_{12}\mu_{04}\mu_{50}\mu_{44} - \mu_{12}\mu_{04}\mu_{41}\mu_{53} - 3\mu_{12}\mu_{04}\mu_{32}\mu_{62} \\
& +5\mu_{12}\mu_{04}\mu_{23}\mu_{71} - 2\mu_{12}\mu_{04}\mu_{14}\mu_{80} - \mu_{03}\mu_{40}\mu_{50}\mu_{17} + 3\mu_{03}\mu_{40}\mu_{41}\mu_{26} \\
& -3\mu_{03}\mu_{40}\mu_{32}\mu_{35} + \mu_{03}\mu_{40}\mu_{23}\mu_{44} + 4\mu_{03}\mu_{31}\mu_{50}\mu_{26} - 12\mu_{03}\mu_{31}\mu_{41}\mu_{35} \\
& +12\mu_{03}\mu_{31}\mu_{32}\mu_{44} - 4\mu_{03}\mu_{31}\mu_{23}\mu_{53} - 6\mu_{03}\mu_{22}\mu_{50}\mu_{35} + 18\mu_{03}\mu_{22}\mu_{41}\mu_{44} \\
& -18\mu_{03}\mu_{22}\mu_{32}\mu_{53} + 6\mu_{03}\mu_{22}\mu_{23}\mu_{62} + 4\mu_{03}\mu_{13}\mu_{50}\mu_{44} - 12\mu_{03}\mu_{13}\mu_{41}\mu_{53} \\
& +12\mu_{03}\mu_{13}\mu_{32}\mu_{62} - 4\mu_{03}\mu_{13}\mu_{23}\mu_{71} - \mu_{03}\mu_{04}\mu_{50}\mu_{53} + 3\mu_{03}\mu_{04}\mu_{41}\mu_{62} \\
& -3\mu_{03}\mu_{04}\mu_{32}\mu_{71} + \mu_{03}\mu_{04}\mu_{23}\mu_{80})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,1,1,1,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |



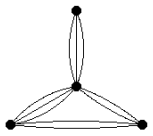
$$
\begin{aligned}
I_{320} \;=\; & (\mu_{30}\mu_{40}\mu_{32}\mu_{08} - 3\mu_{30}\mu_{40}\mu_{23}\mu_{17} + 3\mu_{30}\mu_{40}\mu_{14}\mu_{26} - \mu_{30}\mu_{40}\mu_{05}\mu_{35} \\
& -2\mu_{30}\mu_{31}\mu_{41}\mu_{08} + 4\mu_{30}\mu_{31}\mu_{32}\mu_{17} - 4\mu_{30}\mu_{31}\mu_{14}\mu_{35} + 2\mu_{30}\mu_{31}\mu_{05}\mu_{44} \\
& +\mu_{30}\mu_{22}\mu_{50}\mu_{08} + \mu_{30}\mu_{22}\mu_{41}\mu_{17} - 8\mu_{30}\mu_{22}\mu_{32}\mu_{26} + 8\mu_{30}\mu_{22}\mu_{23}\mu_{35} \\
& -\mu_{30}\mu_{22}\mu_{14}\mu_{44} - \mu_{30}\mu_{22}\mu_{05}\mu_{53} - 2\mu_{30}\mu_{13}\mu_{50}\mu_{17} + 4\mu_{30}\mu_{13}\mu_{41}\mu_{26} \\
& -4\mu_{30}\mu_{13}\mu_{23}\mu_{44} + 2\mu_{30}\mu_{13}\mu_{14}\mu_{53} + \mu_{30}\mu_{04}\mu_{50}\mu_{26} - 3\mu_{30}\mu_{04}\mu_{41}\mu_{35} \\
& +3\mu_{30}\mu_{04}\mu_{32}\mu_{44} - \mu_{30}\mu_{04}\mu_{23}\mu_{53} - 3\mu_{21}\mu_{40}\mu_{32}\mu_{17} + 9\mu_{21}\mu_{40}\mu_{23}\mu_{26} \\
& -9\mu_{21}\mu_{40}\mu_{14}\mu_{35} + 3\mu_{21}\mu_{40}\mu_{05}\mu_{44} + 6\mu_{21}\mu_{31}\mu_{41}\mu_{17} - 12\mu_{21}\mu_{31}\mu_{32}\mu_{26} \\
& +12\mu_{21}\mu_{31}\mu_{14}\mu_{44} - 6\mu_{21}\mu_{31}\mu_{05}\mu_{53} - 3\mu_{21}\mu_{22}\mu_{50}\mu_{17} - 3\mu_{21}\mu_{22}\mu_{41}\mu_{26} \\
& +24\mu_{21}\mu_{22}\mu_{32}\mu_{35} - 24\mu_{21}\mu_{22}\mu_{23}\mu_{44} + 3\mu_{21}\mu_{22}\mu_{14}\mu_{53} + 3\mu_{21}\mu_{22}\mu_{05}\mu_{62} \\
& +6\mu_{21}\mu_{13}\mu_{50}\mu_{26} - 12\mu_{21}\mu_{13}\mu_{41}\mu_{35} + 12\mu_{21}\mu_{13}\mu_{23}\mu_{53} - 6\mu_{21}\mu_{13}\mu_{14}\mu_{62} \\
& -3\mu_{21}\mu_{04}\mu_{50}\mu_{35} + 9\mu_{21}\mu_{04}\mu_{41}\mu_{44} - 9\mu_{21}\mu_{04}\mu_{32}\mu_{53} + 3\mu_{21}\mu_{04}\mu_{23}\mu_{62} \\
& +3\mu_{12}\mu_{40}\mu_{32}\mu_{26} - 9\mu_{12}\mu_{40}\mu_{23}\mu_{35} + 9\mu_{12}\mu_{40}\mu_{14}\mu_{44} - 3\mu_{12}\mu_{40}\mu_{05}\mu_{53} \\
& -6\mu_{12}\mu_{31}\mu_{41}\mu_{26} + 12\mu_{12}\mu_{31}\mu_{32}\mu_{35} - 12\mu_{12}\mu_{31}\mu_{14}\mu_{53} + 6\mu_{12}\mu_{31}\mu_{05}\mu_{62} \\
& +3\mu_{12}\mu_{22}\mu_{50}\mu_{26} + 3\mu_{12}\mu_{22}\mu_{41}\mu_{35} - 24\mu_{12}\mu_{22}\mu_{32}\mu_{44} + 24\mu_{12}\mu_{22}\mu_{23}\mu_{53} \\
& -3\mu_{12}\mu_{22}\mu_{14}\mu_{62} - 3\mu_{12}\mu_{22}\mu_{05}\mu_{71} - 6\mu_{12}\mu_{13}\mu_{50}\mu_{35} + 12\mu_{12}\mu_{13}\mu_{41}\mu_{44} \\
& -12\mu_{12}\mu_{13}\mu_{23}\mu_{62} + 6\mu_{12}\mu_{13}\mu_{14}\mu_{71} + 3\mu_{12}\mu_{04}\mu_{50}\mu_{44} - 9\mu_{12}\mu_{04}\mu_{41}\mu_{53} \\
& +9\mu_{12}\mu_{04}\mu_{32}\mu_{62} - 3\mu_{12}\mu_{04}\mu_{23}\mu_{71} - \mu_{03}\mu_{40}\mu_{32}\mu_{35} + 3\mu_{03}\mu_{40}\mu_{23}\mu_{44} \\
& -3\mu_{03}\mu_{40}\mu_{14}\mu_{53} + \mu_{03}\mu_{40}\mu_{05}\mu_{62} + 2\mu_{03}\mu_{31}\mu_{41}\mu_{35} - 4\mu_{03}\mu_{31}\mu_{32}\mu_{44} \\
& +4\mu_{03}\mu_{31}\mu_{14}\mu_{62} - 2\mu_{03}\mu_{31}\mu_{05}\mu_{71} - \mu_{03}\mu_{22}\mu_{50}\mu_{35} - \mu_{03}\mu_{22}\mu_{41}\mu_{44} \\
& +8\mu_{03}\mu_{22}\mu_{32}\mu_{53} - 8\mu_{03}\mu_{22}\mu_{23}\mu_{62} + \mu_{03}\mu_{22}\mu_{14}\mu_{71} + \mu_{03}\mu_{22}\mu_{05}\mu_{80} \\
& +2\mu_{03}\mu_{13}\mu_{50}\mu_{44} - 4\mu_{03}\mu_{13}\mu_{41}\mu_{53} + 4\mu_{03}\mu_{13}\mu_{23}\mu_{71} - 2\mu_{03}\mu_{13}\mu_{14}\mu_{80} \\
& -\mu_{03}\mu_{04}\mu_{50}\mu_{53} + 3\mu_{03}\mu_{04}\mu_{41}\mu_{62} - 3\mu_{03}\mu_{04}\mu_{32}\mu_{71} + \mu_{03}\mu_{04}\mu_{23}\mu_{80})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,1,1,1,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |



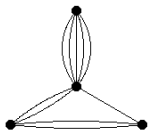
$$
\begin{aligned}
I_{321} \;=\; & (\mu_{30}\mu_{22}\mu_{50}\mu_{08} - 5\mu_{30}\mu_{22}\mu_{41}\mu_{17} + 10\mu_{30}\mu_{22}\mu_{32}\mu_{26} - 10\mu_{30}\mu_{22}\mu_{23}\mu_{35} \\
& +5\mu_{30}\mu_{22}\mu_{14}\mu_{44} - \mu_{30}\mu_{22}\mu_{05}\mu_{53} - 2\mu_{30}\mu_{13}\mu_{50}\mu_{17} + 10\mu_{30}\mu_{13}\mu_{41}\mu_{26} \\
& -20\mu_{30}\mu_{13}\mu_{32}\mu_{35} + 20\mu_{30}\mu_{13}\mu_{23}\mu_{44} - 10\mu_{30}\mu_{13}\mu_{14}\mu_{53} + 2\mu_{30}\mu_{13}\mu_{05}\mu_{62} \\
& +\mu_{30}\mu_{04}\mu_{50}\mu_{26} - 5\mu_{30}\mu_{04}\mu_{41}\mu_{35} + 10\mu_{30}\mu_{04}\mu_{32}\mu_{44} - 10\mu_{30}\mu_{04}\mu_{23}\mu_{53} \\
& +5\mu_{30}\mu_{04}\mu_{14}\mu_{62} - \mu_{30}\mu_{04}\mu_{05}\mu_{71} - 2\mu_{21}\mu_{31}\mu_{50}\mu_{08} + 10\mu_{21}\mu_{31}\mu_{41}\mu_{17} \\
& -20\mu_{21}\mu_{31}\mu_{32}\mu_{26} + 20\mu_{21}\mu_{31}\mu_{23}\mu_{35} - 10\mu_{21}\mu_{31}\mu_{14}\mu_{44} + 2\mu_{21}\mu_{31}\mu_{05}\mu_{53} \\
& +3\mu_{21}\mu_{22}\mu_{50}\mu_{17} - 15\mu_{21}\mu_{22}\mu_{41}\mu_{26} + 30\mu_{21}\mu_{22}\mu_{32}\mu_{35} - 30\mu_{21}\mu_{22}\mu_{23}\mu_{44} \\
& +15\mu_{21}\mu_{22}\mu_{14}\mu_{53} - 3\mu_{21}\mu_{22}\mu_{05}\mu_{62} - \mu_{21}\mu_{04}\mu_{50}\mu_{35} + 5\mu_{21}\mu_{04}\mu_{41}\mu_{44} \\
& -10\mu_{21}\mu_{04}\mu_{32}\mu_{53} + 10\mu_{21}\mu_{04}\mu_{23}\mu_{62} - 5\mu_{21}\mu_{04}\mu_{14}\mu_{71} + \mu_{21}\mu_{04}\mu_{05}\mu_{80} \\
& +\mu_{12}\mu_{40}\mu_{50}\mu_{08} - 5\mu_{12}\mu_{40}\mu_{41}\mu_{17} + 10\mu_{12}\mu_{40}\mu_{32}\mu_{26} - 10\mu_{12}\mu_{40}\mu_{23}\mu_{35} \\
& +5\mu_{12}\mu_{40}\mu_{14}\mu_{44} - \mu_{12}\mu_{40}\mu_{05}\mu_{53} - 3\mu_{12}\mu_{22}\mu_{50}\mu_{26} + 15\mu_{12}\mu_{22}\mu_{41}\mu_{35} \\
& -30\mu_{12}\mu_{22}\mu_{32}\mu_{44} + 30\mu_{12}\mu_{22}\mu_{23}\mu_{53} - 15\mu_{12}\mu_{22}\mu_{14}\mu_{62} + 3\mu_{12}\mu_{22}\mu_{05}\mu_{71} \\
& +2\mu_{12}\mu_{13}\mu_{50}\mu_{35} - 10\mu_{12}\mu_{13}\mu_{41}\mu_{44} + 20\mu_{12}\mu_{13}\mu_{32}\mu_{53} - 20\mu_{12}\mu_{13}\mu_{23}\mu_{62} \\
& +10\mu_{12}\mu_{13}\mu_{14}\mu_{71} - 2\mu_{12}\mu_{13}\mu_{05}\mu_{80} - \mu_{03}\mu_{40}\mu_{50}\mu_{17} + 5\mu_{03}\mu_{40}\mu_{41}\mu_{26} \\
& -10\mu_{03}\mu_{40}\mu_{32}\mu_{35} + 10\mu_{03}\mu_{40}\mu_{23}\mu_{44} - 5\mu_{03}\mu_{40}\mu_{14}\mu_{53} + \mu_{03}\mu_{40}\mu_{05}\mu_{62} \\
& +2\mu_{03}\mu_{31}\mu_{50}\mu_{26} - 10\mu_{03}\mu_{31}\mu_{41}\mu_{35} + 20\mu_{03}\mu_{31}\mu_{32}\mu_{44} - 20\mu_{03}\mu_{31}\mu_{23}\mu_{53} \\
& +10\mu_{03}\mu_{31}\mu_{14}\mu_{62} - 2\mu_{03}\mu_{31}\mu_{05}\mu_{71} - \mu_{03}\mu_{22}\mu_{50}\mu_{35} + 5\mu_{03}\mu_{22}\mu_{41}\mu_{44} \\
& -10\mu_{03}\mu_{22}\mu_{32}\mu_{53} + 10\mu_{03}\mu_{22}\mu_{23}\mu_{62} - 5\mu_{03}\mu_{22}\mu_{14}\mu_{71} + \mu_{03}\mu_{22}\mu_{05}\mu_{80})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,1,1,1,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |



**Simultaneous invariants of the orders 2, 4, 6 and 8**

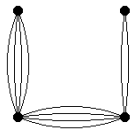
$$
\begin{aligned}
I_{322} \;=\; & (\mu_{20}\mu_{40}\mu_{42}\mu_{08} - 4\mu_{20}\mu_{40}\mu_{33}\mu_{17} + 6\mu_{20}\mu_{40}\mu_{24}\mu_{26} - 4\mu_{20}\mu_{40}\mu_{15}\mu_{35} \\
& +\mu_{20}\mu_{40}\mu_{06}\mu_{44} - 4\mu_{20}\mu_{31}\mu_{42}\mu_{17} + 16\mu_{20}\mu_{31}\mu_{33}\mu_{26} - 24\mu_{20}\mu_{31}\mu_{24}\mu_{35} \\
& +16\mu_{20}\mu_{31}\mu_{15}\mu_{44} - 4\mu_{20}\mu_{31}\mu_{06}\mu_{53} + 6\mu_{20}\mu_{22}\mu_{42}\mu_{26} - 24\mu_{20}\mu_{22}\mu_{33}\mu_{35} \\
& +36\mu_{20}\mu_{22}\mu_{24}\mu_{44} - 24\mu_{20}\mu_{22}\mu_{15}\mu_{53} + 6\mu_{20}\mu_{22}\mu_{06}\mu_{62} - 4\mu_{20}\mu_{13}\mu_{42}\mu_{35} \\
& +16\mu_{20}\mu_{13}\mu_{33}\mu_{44} - 24\mu_{20}\mu_{13}\mu_{24}\mu_{53} + 16\mu_{20}\mu_{13}\mu_{15}\mu_{62} - 4\mu_{20}\mu_{13}\mu_{06}\mu_{71} \\
& +\mu_{20}\mu_{04}\mu_{42}\mu_{44} - 4\mu_{20}\mu_{04}\mu_{33}\mu_{53} + 6\mu_{20}\mu_{04}\mu_{24}\mu_{62} - 4\mu_{20}\mu_{04}\mu_{15}\mu_{71} \\
& +\mu_{20}\mu_{04}\mu_{06}\mu_{80} - 2\mu_{11}\mu_{40}\mu_{51}\mu_{08} + 8\mu_{11}\mu_{40}\mu_{42}\mu_{17} - 12\mu_{11}\mu_{40}\mu_{33}\mu_{26} \\
& +8\mu_{11}\mu_{40}\mu_{24}\mu_{35} - 2\mu_{11}\mu_{40}\mu_{15}\mu_{44} + 8\mu_{11}\mu_{31}\mu_{51}\mu_{17} - 32\mu_{11}\mu_{31}\mu_{42}\mu_{26} \\
& +48\mu_{11}\mu_{31}\mu_{33}\mu_{35} - 32\mu_{11}\mu_{31}\mu_{24}\mu_{44} + 8\mu_{11}\mu_{31}\mu_{15}\mu_{53} - 12\mu_{11}\mu_{22}\mu_{51}\mu_{26} \\
& +48\mu_{11}\mu_{22}\mu_{42}\mu_{35} - 72\mu_{11}\mu_{22}\mu_{33}\mu_{44} + 48\mu_{11}\mu_{22}\mu_{24}\mu_{53} - 12\mu_{11}\mu_{22}\mu_{15}\mu_{62} \\
& +8\mu_{11}\mu_{13}\mu_{51}\mu_{35} - 32\mu_{11}\mu_{13}\mu_{42}\mu_{44} + 48\mu_{11}\mu_{13}\mu_{33}\mu_{53} - 32\mu_{11}\mu_{13}\mu_{24}\mu_{62} \\
& +8\mu_{11}\mu_{13}\mu_{15}\mu_{71} - 2\mu_{11}\mu_{04}\mu_{51}\mu_{44} + 8\mu_{11}\mu_{04}\mu_{42}\mu_{53} - 12\mu_{11}\mu_{04}\mu_{33}\mu_{62} \\
& +8\mu_{11}\mu_{04}\mu_{24}\mu_{71} - 2\mu_{11}\mu_{04}\mu_{15}\mu_{80} + \mu_{02}\mu_{40}\mu_{60}\mu_{08} - 4\mu_{02}\mu_{40}\mu_{51}\mu_{17} \\
& +6\mu_{02}\mu_{40}\mu_{42}\mu_{26} - 4\mu_{02}\mu_{40}\mu_{33}\mu_{35} + \mu_{02}\mu_{40}\mu_{24}\mu_{44} - 4\mu_{02}\mu_{31}\mu_{60}\mu_{17} \\
& +16\mu_{02}\mu_{31}\mu_{51}\mu_{26} - 24\mu_{02}\mu_{31}\mu_{42}\mu_{35} + 16\mu_{02}\mu_{31}\mu_{33}\mu_{44} - 4\mu_{02}\mu_{31}\mu_{24}\mu_{53} \\
& +6\mu_{02}\mu_{22}\mu_{60}\mu_{26} - 24\mu_{02}\mu_{22}\mu_{51}\mu_{35} + 36\mu_{02}\mu_{22}\mu_{42}\mu_{44} - 24\mu_{02}\mu_{22}\mu_{33}\mu_{53} \\
& +6\mu_{02}\mu_{22}\mu_{24}\mu_{62} - 4\mu_{02}\mu_{13}\mu_{60}\mu_{35} + 16\mu_{02}\mu_{13}\mu_{51}\mu_{44} - 24\mu_{02}\mu_{13}\mu_{42}\mu_{53} \\
& +16\mu_{02}\mu_{13}\mu_{33}\mu_{62} - 4\mu_{02}\mu_{13}\mu_{24}\mu_{71} + \mu_{02}\mu_{04}\mu_{60}\mu_{44} - 4\mu_{02}\mu_{04}\mu_{51}\mu_{53} \\
& +6\mu_{02}\mu_{04}\mu_{42}\mu_{62} - 4\mu_{02}\mu_{04}\mu_{33}\mu_{71} + \mu_{02}\mu_{04}\mu_{24}\mu_{80})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 1,0,1,0,1,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 |



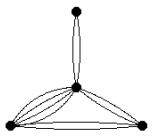
$$
\begin{aligned}
I_{323} \;=\; & (\mu_{20}\mu_{40}\mu_{42}\mu_{08} - 4\mu_{20}\mu_{40}\mu_{33}\mu_{17} + 6\mu_{20}\mu_{40}\mu_{24}\mu_{26} - 4\mu_{20}\mu_{40}\mu_{15}\mu_{35} \\
& +\mu_{20}\mu_{40}\mu_{06}\mu_{44} - 2\mu_{20}\mu_{31}\mu_{51}\mu_{08} + 6\mu_{20}\mu_{31}\mu_{42}\mu_{17} - 4\mu_{20}\mu_{31}\mu_{33}\mu_{26} \\
& -4\mu_{20}\mu_{31}\mu_{24}\mu_{35} + 6\mu_{20}\mu_{31}\mu_{15}\mu_{44} - 2\mu_{20}\mu_{31}\mu_{06}\mu_{53} + \mu_{20}\mu_{22}\mu_{60}\mu_{08} \\
& -9\mu_{20}\mu_{22}\mu_{42}\mu_{26} + 16\mu_{20}\mu_{22}\mu_{33}\mu_{35} - 9\mu_{20}\mu_{22}\mu_{24}\mu_{44} + \mu_{20}\mu_{22}\mu_{06}\mu_{62} \\
& -2\mu_{20}\mu_{13}\mu_{60}\mu_{17} + 6\mu_{20}\mu_{13}\mu_{51}\mu_{26} - 4\mu_{20}\mu_{13}\mu_{42}\mu_{35} - 4\mu_{20}\mu_{13}\mu_{33}\mu_{44} \\
& +6\mu_{20}\mu_{13}\mu_{24}\mu_{53} - 2\mu_{20}\mu_{13}\mu_{15}\mu_{62} + \mu_{20}\mu_{04}\mu_{60}\mu_{26} - 4\mu_{20}\mu_{04}\mu_{51}\mu_{35} \\
& +6\mu_{20}\mu_{04}\mu_{42}\mu_{44} - 4\mu_{20}\mu_{04}\mu_{33}\mu_{53} + \mu_{20}\mu_{04}\mu_{24}\mu_{62} - 2\mu_{11}\mu_{40}\mu_{42}\mu_{17} \\
& +8\mu_{11}\mu_{40}\mu_{33}\mu_{26} - 12\mu_{11}\mu_{40}\mu_{24}\mu_{35} + 8\mu_{11}\mu_{40}\mu_{15}\mu_{44} - 2\mu_{11}\mu_{40}\mu_{06}\mu_{53} \\
& +4\mu_{11}\mu_{31}\mu_{51}\mu_{17} - 12\mu_{11}\mu_{31}\mu_{42}\mu_{26} + 8\mu_{11}\mu_{31}\mu_{33}\mu_{35} + 8\mu_{11}\mu_{31}\mu_{24}\mu_{44} \\
& -12\mu_{11}\mu_{31}\mu_{15}\mu_{53} + 4\mu_{11}\mu_{31}\mu_{06}\mu_{62} - 2\mu_{11}\mu_{22}\mu_{60}\mu_{17} + 18\mu_{11}\mu_{22}\mu_{42}\mu_{35} \\
& -32\mu_{11}\mu_{22}\mu_{33}\mu_{44} + 18\mu_{11}\mu_{22}\mu_{24}\mu_{53} - 2\mu_{11}\mu_{22}\mu_{06}\mu_{71} + 4\mu_{11}\mu_{13}\mu_{60}\mu_{26} \\
& -12\mu_{11}\mu_{13}\mu_{51}\mu_{35} + 8\mu_{11}\mu_{13}\mu_{42}\mu_{44} + 8\mu_{11}\mu_{13}\mu_{33}\mu_{53} - 12\mu_{11}\mu_{13}\mu_{24}\mu_{62} \\
& +4\mu_{11}\mu_{13}\mu_{15}\mu_{71} - 2\mu_{11}\mu_{04}\mu_{60}\mu_{35} + 8\mu_{11}\mu_{04}\mu_{51}\mu_{44} - 12\mu_{11}\mu_{04}\mu_{42}\mu_{53} \\
& +8\mu_{11}\mu_{04}\mu_{33}\mu_{62} - 2\mu_{11}\mu_{04}\mu_{24}\mu_{71} + \mu_{02}\mu_{40}\mu_{42}\mu_{26} - 4\mu_{02}\mu_{40}\mu_{33}\mu_{35} \\
& +6\mu_{02}\mu_{40}\mu_{24}\mu_{44} - 4\mu_{02}\mu_{40}\mu_{15}\mu_{53} + \mu_{02}\mu_{40}\mu_{06}\mu_{62} - 2\mu_{02}\mu_{31}\mu_{51}\mu_{26} \\
& +6\mu_{02}\mu_{31}\mu_{42}\mu_{35} - 4\mu_{02}\mu_{31}\mu_{33}\mu_{44} - 4\mu_{02}\mu_{31}\mu_{24}\mu_{53} + 6\mu_{02}\mu_{31}\mu_{15}\mu_{62} \\
& -2\mu_{02}\mu_{31}\mu_{06}\mu_{71} + \mu_{02}\mu_{22}\mu_{60}\mu_{26} - 9\mu_{02}\mu_{22}\mu_{42}\mu_{44} + 16\mu_{02}\mu_{22}\mu_{33}\mu_{53} \\
& -9\mu_{02}\mu_{22}\mu_{24}\mu_{62} + \mu_{02}\mu_{22}\mu_{06}\mu_{80} - 2\mu_{02}\mu_{13}\mu_{60}\mu_{35} + 6\mu_{02}\mu_{13}\mu_{51}\mu_{44} \\
& -4\mu_{02}\mu_{13}\mu_{42}\mu_{53} - 4\mu_{02}\mu_{13}\mu_{33}\mu_{62} + 6\mu_{02}\mu_{13}\mu_{24}\mu_{71} - 2\mu_{02}\mu_{13}\mu_{15}\mu_{80} \\
& +\mu_{02}\mu_{04}\mu_{60}\mu_{44} - 4\mu_{02}\mu_{04}\mu_{51}\mu_{53} + 6\mu_{02}\mu_{04}\mu_{42}\mu_{62} - 4\mu_{02}\mu_{04}\mu_{33}\mu_{71} \\
& +\mu_{02}\mu_{04}\mu_{24}\mu_{80})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 1,0,1,0,1,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 4 |



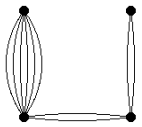
$$
\begin{aligned}
I_{324} \;=\; & (\mu_{20}\mu_{22}\mu_{60}\mu_{08} - 6\mu_{20}\mu_{22}\mu_{51}\mu_{17} + 15\mu_{20}\mu_{22}\mu_{42}\mu_{26} - 20\mu_{20}\mu_{22}\mu_{33}\mu_{35} \\
& +15\mu_{20}\mu_{22}\mu_{24}\mu_{44} - 6\mu_{20}\mu_{22}\mu_{15}\mu_{53} + \mu_{20}\mu_{22}\mu_{06}\mu_{62} - 2\mu_{20}\mu_{13}\mu_{60}\mu_{17} \\
& +12\mu_{20}\mu_{13}\mu_{51}\mu_{26} - 30\mu_{20}\mu_{13}\mu_{42}\mu_{35} + 40\mu_{20}\mu_{13}\mu_{33}\mu_{44} - 30\mu_{20}\mu_{13}\mu_{24}\mu_{53} \\
& +12\mu_{20}\mu_{13}\mu_{15}\mu_{62} - 2\mu_{20}\mu_{13}\mu_{06}\mu_{71} + \mu_{20}\mu_{04}\mu_{60}\mu_{26} - 6\mu_{20}\mu_{04}\mu_{51}\mu_{35} \\
& +15\mu_{20}\mu_{04}\mu_{42}\mu_{44} - 20\mu_{20}\mu_{04}\mu_{33}\mu_{53} + 15\mu_{20}\mu_{04}\mu_{24}\mu_{62} - 6\mu_{20}\mu_{04}\mu_{15}\mu_{71} \\
& +\mu_{20}\mu_{04}\mu_{06}\mu_{80} - 2\mu_{11}\mu_{31}\mu_{60}\mu_{08} + 12\mu_{11}\mu_{31}\mu_{51}\mu_{17} - 30\mu_{11}\mu_{31}\mu_{42}\mu_{26} \\
& +40\mu_{11}\mu_{31}\mu_{33}\mu_{35} - 30\mu_{11}\mu_{31}\mu_{24}\mu_{44} + 12\mu_{11}\mu_{31}\mu_{15}\mu_{53} - 2\mu_{11}\mu_{31}\mu_{06}\mu_{62} \\
& +4\mu_{11}\mu_{22}\mu_{60}\mu_{17} - 24\mu_{11}\mu_{22}\mu_{51}\mu_{26} + 60\mu_{11}\mu_{22}\mu_{42}\mu_{35} - 80\mu_{11}\mu_{22}\mu_{33}\mu_{44} \\
& +60\mu_{11}\mu_{22}\mu_{24}\mu_{53} - 24\mu_{11}\mu_{22}\mu_{15}\mu_{62} + 4\mu_{11}\mu_{22}\mu_{06}\mu_{71} - 2\mu_{11}\mu_{13}\mu_{60}\mu_{26} \\
& +12\mu_{11}\mu_{13}\mu_{51}\mu_{35} - 30\mu_{11}\mu_{13}\mu_{42}\mu_{44} + 40\mu_{11}\mu_{13}\mu_{33}\mu_{53} - 30\mu_{11}\mu_{13}\mu_{24}\mu_{62} \\
& +12\mu_{11}\mu_{13}\mu_{15}\mu_{71} - 2\mu_{11}\mu_{13}\mu_{06}\mu_{80} + \mu_{02}\mu_{40}\mu_{60}\mu_{08} - 6\mu_{02}\mu_{40}\mu_{51}\mu_{17} \\
& +15\mu_{02}\mu_{40}\mu_{42}\mu_{26} - 20\mu_{02}\mu_{40}\mu_{33}\mu_{35} + 15\mu_{02}\mu_{40}\mu_{24}\mu_{44} - 6\mu_{02}\mu_{40}\mu_{15}\mu_{53} \\
& +\mu_{02}\mu_{40}\mu_{06}\mu_{62} - 2\mu_{02}\mu_{31}\mu_{60}\mu_{17} + 12\mu_{02}\mu_{31}\mu_{51}\mu_{26} - 30\mu_{02}\mu_{31}\mu_{42}\mu_{35} \\
& +40\mu_{02}\mu_{31}\mu_{33}\mu_{44} - 30\mu_{02}\mu_{31}\mu_{24}\mu_{53} + 12\mu_{02}\mu_{31}\mu_{15}\mu_{62} - 2\mu_{02}\mu_{31}\mu_{06}\mu_{71} \\
& +\mu_{02}\mu_{22}\mu_{60}\mu_{26} - 6\mu_{02}\mu_{22}\mu_{51}\mu_{35} + 15\mu_{02}\mu_{22}\mu_{42}\mu_{44} - 20\mu_{02}\mu_{22}\mu_{33}\mu_{53} \\
& +15\mu_{02}\mu_{22}\mu_{24}\mu_{62} - 6\mu_{02}\mu_{22}\mu_{15}\mu_{71} + \mu_{02}\mu_{22}\mu_{06}\mu_{80})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 1,0,1,0,1,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |



**Simultaneous invariants of the orders 2, 3, 7 and 8**

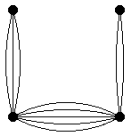
$$
\begin{aligned}
I_{325} \;=\; & (\mu_{20}\mu_{30}\mu_{52}\mu_{08} - 5\mu_{20}\mu_{30}\mu_{43}\mu_{17} + 10\mu_{20}\mu_{30}\mu_{34}\mu_{26} - 10\mu_{20}\mu_{30}\mu_{25}\mu_{35} \\
& +5\mu_{20}\mu_{30}\mu_{16}\mu_{44} - \mu_{20}\mu_{30}\mu_{07}\mu_{53} - 3\mu_{20}\mu_{21}\mu_{52}\mu_{17} + 15\mu_{20}\mu_{21}\mu_{43}\mu_{26} \\
& -30\mu_{20}\mu_{21}\mu_{34}\mu_{35} + 30\mu_{20}\mu_{21}\mu_{25}\mu_{44} - 15\mu_{20}\mu_{21}\mu_{16}\mu_{53} + 3\mu_{20}\mu_{21}\mu_{07}\mu_{62} \\
& +3\mu_{20}\mu_{12}\mu_{52}\mu_{26} - 15\mu_{20}\mu_{12}\mu_{43}\mu_{35} + 30\mu_{20}\mu_{12}\mu_{34}\mu_{44} - 30\mu_{20}\mu_{12}\mu_{25}\mu_{53} \\
& +15\mu_{20}\mu_{12}\mu_{16}\mu_{62} - 3\mu_{20}\mu_{12}\mu_{07}\mu_{71} - \mu_{20}\mu_{03}\mu_{52}\mu_{35} + 5\mu_{20}\mu_{03}\mu_{43}\mu_{44} \\
& -10\mu_{20}\mu_{03}\mu_{34}\mu_{53} + 10\mu_{20}\mu_{03}\mu_{25}\mu_{62} - 5\mu_{20}\mu_{03}\mu_{16}\mu_{71} + \mu_{20}\mu_{03}\mu_{07}\mu_{80} \\
& -2\mu_{11}\mu_{30}\mu_{61}\mu_{08} + 10\mu_{11}\mu_{30}\mu_{52}\mu_{17} - 20\mu_{11}\mu_{30}\mu_{43}\mu_{26} + 20\mu_{11}\mu_{30}\mu_{34}\mu_{35} \\
& -10\mu_{11}\mu_{30}\mu_{25}\mu_{44} + 2\mu_{11}\mu_{30}\mu_{16}\mu_{53} + 6\mu_{11}\mu_{21}\mu_{61}\mu_{17} - 30\mu_{11}\mu_{21}\mu_{52}\mu_{26} \\
& +60\mu_{11}\mu_{21}\mu_{43}\mu_{35} - 60\mu_{11}\mu_{21}\mu_{34}\mu_{44} + 30\mu_{11}\mu_{21}\mu_{25}\mu_{53} - 6\mu_{11}\mu_{21}\mu_{16}\mu_{62} \\
& -6\mu_{11}\mu_{12}\mu_{61}\mu_{26} + 30\mu_{11}\mu_{12}\mu_{52}\mu_{35} - 60\mu_{11}\mu_{12}\mu_{43}\mu_{44} + 60\mu_{11}\mu_{12}\mu_{34}\mu_{53} \\
& -30\mu_{11}\mu_{12}\mu_{25}\mu_{62} + 6\mu_{11}\mu_{12}\mu_{16}\mu_{71} + 2\mu_{11}\mu_{03}\mu_{61}\mu_{35} - 10\mu_{11}\mu_{03}\mu_{52}\mu_{44} \\
& +20\mu_{11}\mu_{03}\mu_{43}\mu_{53} - 20\mu_{11}\mu_{03}\mu_{34}\mu_{62} + 10\mu_{11}\mu_{03}\mu_{25}\mu_{71} - 2\mu_{11}\mu_{03}\mu_{16}\mu_{80} \\
& +\mu_{02}\mu_{30}\mu_{70}\mu_{08} - 5\mu_{02}\mu_{30}\mu_{61}\mu_{17} + 10\mu_{02}\mu_{30}\mu_{52}\mu_{26} - 10\mu_{02}\mu_{30}\mu_{43}\mu_{35} \\
& +5\mu_{02}\mu_{30}\mu_{34}\mu_{44} - \mu_{02}\mu_{30}\mu_{25}\mu_{53} - 3\mu_{02}\mu_{21}\mu_{70}\mu_{17} + 15\mu_{02}\mu_{21}\mu_{61}\mu_{26} \\
& -30\mu_{02}\mu_{21}\mu_{52}\mu_{35} + 30\mu_{02}\mu_{21}\mu_{43}\mu_{44} - 15\mu_{02}\mu_{21}\mu_{34}\mu_{53} + 3\mu_{02}\mu_{21}\mu_{25}\mu_{62} \\
& +3\mu_{02}\mu_{12}\mu_{70}\mu_{26} - 15\mu_{02}\mu_{12}\mu_{61}\mu_{35} + 30\mu_{02}\mu_{12}\mu_{52}\mu_{44} - 30\mu_{02}\mu_{12}\mu_{43}\mu_{53} \\
& +15\mu_{02}\mu_{12}\mu_{34}\mu_{62} - 3\mu_{02}\mu_{12}\mu_{25}\mu_{71} - \mu_{02}\mu_{03}\mu_{70}\mu_{35} + 5\mu_{02}\mu_{03}\mu_{61}\mu_{44} \\
& -10\mu_{02}\mu_{03}\mu_{52}\mu_{53} + 10\mu_{02}\mu_{03}\mu_{43}\mu_{62} - 5\mu_{02}\mu_{03}\mu_{34}\mu_{71} + \mu_{02}\mu_{03}\mu_{25}\mu_{80})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 1,1,0,0,0,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 |



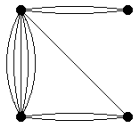
$$
\begin{aligned}
I_{326} \;=\; & (\mu_{20}\mu_{30}\mu_{52}\mu_{08} - 5\mu_{20}\mu_{30}\mu_{43}\mu_{17} + 10\mu_{20}\mu_{30}\mu_{34}\mu_{26} - 10\mu_{20}\mu_{30}\mu_{25}\mu_{35} \\
& +5\mu_{20}\mu_{30}\mu_{16}\mu_{44} - \mu_{20}\mu_{30}\mu_{07}\mu_{53} - 2\mu_{20}\mu_{21}\mu_{61}\mu_{08} + 9\mu_{20}\mu_{21}\mu_{52}\mu_{17} \\
& -15\mu_{20}\mu_{21}\mu_{43}\mu_{26} + 10\mu_{20}\mu_{21}\mu_{34}\mu_{35} - 3\mu_{20}\mu_{21}\mu_{16}\mu_{53} + \mu_{20}\mu_{21}\mu_{07}\mu_{62} \\
& +\mu_{20}\mu_{12}\mu_{70}\mu_{08} - 3\mu_{20}\mu_{12}\mu_{61}\mu_{17} + 10\mu_{20}\mu_{12}\mu_{43}\mu_{35} - 15\mu_{20}\mu_{12}\mu_{34}\mu_{44} \\
& +9\mu_{20}\mu_{12}\mu_{25}\mu_{53} - 2\mu_{20}\mu_{12}\mu_{16}\mu_{62} - \mu_{20}\mu_{03}\mu_{70}\mu_{17} + 5\mu_{20}\mu_{03}\mu_{61}\mu_{26} \\
& -10\mu_{20}\mu_{03}\mu_{52}\mu_{35} + 10\mu_{20}\mu_{03}\mu_{43}\mu_{44} - 5\mu_{20}\mu_{03}\mu_{34}\mu_{53} + \mu_{20}\mu_{03}\mu_{25}\mu_{62} \\
& -2\mu_{11}\mu_{30}\mu_{52}\mu_{17} + 10\mu_{11}\mu_{30}\mu_{43}\mu_{26} - 20\mu_{11}\mu_{30}\mu_{34}\mu_{35} + 20\mu_{11}\mu_{30}\mu_{25}\mu_{44} \\
& -10\mu_{11}\mu_{30}\mu_{16}\mu_{53} + 2\mu_{11}\mu_{30}\mu_{07}\mu_{62} + 4\mu_{11}\mu_{21}\mu_{61}\mu_{17} - 18\mu_{11}\mu_{21}\mu_{52}\mu_{26} \\
& +30\mu_{11}\mu_{21}\mu_{43}\mu_{35} - 20\mu_{11}\mu_{21}\mu_{34}\mu_{44} + 6\mu_{11}\mu_{21}\mu_{16}\mu_{62} - 2\mu_{11}\mu_{21}\mu_{07}\mu_{71} \\
& -2\mu_{11}\mu_{12}\mu_{70}\mu_{17} + 6\mu_{11}\mu_{12}\mu_{61}\mu_{26} - 20\mu_{11}\mu_{12}\mu_{43}\mu_{44} + 30\mu_{11}\mu_{12}\mu_{34}\mu_{53} \\
& -18\mu_{11}\mu_{12}\mu_{25}\mu_{62} + 4\mu_{11}\mu_{12}\mu_{16}\mu_{71} + 2\mu_{11}\mu_{03}\mu_{70}\mu_{26} - 10\mu_{11}\mu_{03}\mu_{61}\mu_{35} \\
& +20\mu_{11}\mu_{03}\mu_{52}\mu_{44} - 20\mu_{11}\mu_{03}\mu_{43}\mu_{53} + 10\mu_{11}\mu_{03}\mu_{34}\mu_{62} - 2\mu_{11}\mu_{03}\mu_{25}\mu_{71} \\
& +\mu_{02}\mu_{30}\mu_{52}\mu_{26} - 5\mu_{02}\mu_{30}\mu_{43}\mu_{35} + 10\mu_{02}\mu_{30}\mu_{34}\mu_{44} - 10\mu_{02}\mu_{30}\mu_{25}\mu_{53} \\
& +5\mu_{02}\mu_{30}\mu_{16}\mu_{62} - \mu_{02}\mu_{30}\mu_{07}\mu_{71} - 2\mu_{02}\mu_{21}\mu_{61}\mu_{26} + 9\mu_{02}\mu_{21}\mu_{52}\mu_{35} \\
& -15\mu_{02}\mu_{21}\mu_{43}\mu_{44} + 10\mu_{02}\mu_{21}\mu_{34}\mu_{53} - 3\mu_{02}\mu_{21}\mu_{16}\mu_{71} + \mu_{02}\mu_{21}\mu_{07}\mu_{80} \\
& +\mu_{02}\mu_{12}\mu_{70}\mu_{26} - 3\mu_{02}\mu_{12}\mu_{61}\mu_{35} + 10\mu_{02}\mu_{12}\mu_{43}\mu_{53} - 15\mu_{02}\mu_{12}\mu_{34}\mu_{62} \\
& +9\mu_{02}\mu_{12}\mu_{25}\mu_{71} - 2\mu_{02}\mu_{12}\mu_{16}\mu_{80} - \mu_{02}\mu_{03}\mu_{70}\mu_{35} + 5\mu_{02}\mu_{03}\mu_{61}\mu_{44} \\
& -10\mu_{02}\mu_{03}\mu_{52}\mu_{53} + 10\mu_{02}\mu_{03}\mu_{43}\mu_{62} - 5\mu_{02}\mu_{03}\mu_{34}\mu_{71} + \mu_{02}\mu_{03}\mu_{25}\mu_{80})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 1,1,0,0,0,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 2 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 4 |



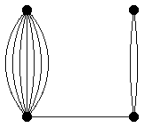
$$
\begin{aligned}
I_{327} \;=\; & (\mu_{20}\mu_{12}\mu_{70}\mu_{08} - 7\mu_{20}\mu_{12}\mu_{61}\mu_{17} + 21\mu_{20}\mu_{12}\mu_{52}\mu_{26} - 35\mu_{20}\mu_{12}\mu_{43}\mu_{35} \\
& +35\mu_{20}\mu_{12}\mu_{34}\mu_{44} - 21\mu_{20}\mu_{12}\mu_{25}\mu_{53} + 7\mu_{20}\mu_{12}\mu_{16}\mu_{62} - \mu_{20}\mu_{12}\mu_{07}\mu_{71} \\
& -\mu_{20}\mu_{03}\mu_{70}\mu_{17} + 7\mu_{20}\mu_{03}\mu_{61}\mu_{26} - 21\mu_{20}\mu_{03}\mu_{52}\mu_{35} + 35\mu_{20}\mu_{03}\mu_{43}\mu_{44} \\
& -35\mu_{20}\mu_{03}\mu_{34}\mu_{53} + 21\mu_{20}\mu_{03}\mu_{25}\mu_{62} - 7\mu_{20}\mu_{03}\mu_{16}\mu_{71} + \mu_{20}\mu_{03}\mu_{07}\mu_{80} \\
& -2\mu_{11}\mu_{21}\mu_{70}\mu_{08} + 14\mu_{11}\mu_{21}\mu_{61}\mu_{17} - 42\mu_{11}\mu_{21}\mu_{52}\mu_{26} + 70\mu_{11}\mu_{21}\mu_{43}\mu_{35} \\
& -70\mu_{11}\mu_{21}\mu_{34}\mu_{44} + 42\mu_{11}\mu_{21}\mu_{25}\mu_{53} - 14\mu_{11}\mu_{21}\mu_{16}\mu_{62} + 2\mu_{11}\mu_{21}\mu_{07}\mu_{71} \\
& +2\mu_{11}\mu_{12}\mu_{70}\mu_{17} - 14\mu_{11}\mu_{12}\mu_{61}\mu_{26} + 42\mu_{11}\mu_{12}\mu_{52}\mu_{35} - 70\mu_{11}\mu_{12}\mu_{43}\mu_{44} \\
& +70\mu_{11}\mu_{12}\mu_{34}\mu_{53} - 42\mu_{11}\mu_{12}\mu_{25}\mu_{62} + 14\mu_{11}\mu_{12}\mu_{16}\mu_{71} - 2\mu_{11}\mu_{12}\mu_{07}\mu_{80} \\
& +\mu_{02}\mu_{30}\mu_{70}\mu_{08} - 7\mu_{02}\mu_{30}\mu_{61}\mu_{17} + 21\mu_{02}\mu_{30}\mu_{52}\mu_{26} - 35\mu_{02}\mu_{30}\mu_{43}\mu_{35} \\
& +35\mu_{02}\mu_{30}\mu_{34}\mu_{44} - 21\mu_{02}\mu_{30}\mu_{25}\mu_{53} + 7\mu_{02}\mu_{30}\mu_{16}\mu_{62} - \mu_{02}\mu_{30}\mu_{07}\mu_{71} \\
& -\mu_{02}\mu_{21}\mu_{70}\mu_{17} + 7\mu_{02}\mu_{21}\mu_{61}\mu_{26} - 21\mu_{02}\mu_{21}\mu_{52}\mu_{35} + 35\mu_{02}\mu_{21}\mu_{43}\mu_{44} \\
& -35\mu_{02}\mu_{21}\mu_{34}\mu_{53} + 21\mu_{02}\mu_{21}\mu_{25}\mu_{62} - 7\mu_{02}\mu_{21}\mu_{16}\mu_{71} + \mu_{02}\mu_{21}\mu_{07}\mu_{80})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 1,1,0,0,0,1,1

Generating graph:

$$\begin{array}{cccccccccc} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 2 & 2 \\ 2 & 3 & 3 & 3 & 3 & 3 & 3 & 3 & 4 & 4 \end{array}$$



**Simultaneous invariants of the orders 2 and 9**

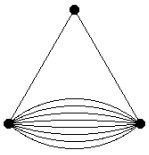
$$\begin{aligned} I_{328} \;=\; & (\mu_{20}\mu_{81}\mu_{09} - 8\mu_{20}\mu_{72}\mu_{18} + 28\mu_{20}\mu_{63}\mu_{27} - 56\mu_{20}\mu_{54}\mu_{36} + 35\mu_{20}\mu_{45}^2 \\ & -\mu_{11}\mu_{90}\mu_{09} + 7\mu_{11}\mu_{81}\mu_{18} - 20\mu_{11}\mu_{72}\mu_{27} + 28\mu_{11}\mu_{63}\mu_{36} - 14\mu_{11}\mu_{54}\mu_{45} \\ & +\mu_{02}\mu_{90}\mu_{18} - 8\mu_{02}\mu_{81}\mu_{27} + 28\mu_{02}\mu_{72}\mu_{36} - 56\mu_{02}\mu_{63}\mu_{45} + 35\mu_{02}\mu_{54}^2)/\mu_{00}^{13} \end{aligned}$$

weight=10

structure: 1,0,0,0,0,0,0,2

Generating graph:

$$\begin{array}{cccccccccc} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 2 \\ 2 & 2 & 2 & 2 & 2 & 2 & 2 & 2 & 3 & 3 \end{array}$$



**Simultaneous invariants of the orders 3 and 9**

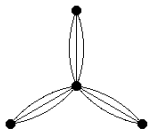
$$\begin{aligned} I_{329} \;=\; & (-\mu_{30}^3\mu_{09} + 9\mu_{30}^2\mu_{21}\mu_{18} - 9\mu_{30}^2\mu_{12}\mu_{27} + 3\mu_{30}^2\mu_{03}\mu_{36} - 27\mu_{30}\mu_{21}^2\mu_{27} \\ & +54\mu_{30}\mu_{21}\mu_{12}\mu_{36} - 18\mu_{30}\mu_{21}\mu_{03}\mu_{45} - 27\mu_{30}\mu_{12}^2\mu_{45} + 18\mu_{30}\mu_{12}\mu_{03}\mu_{54} \\ & -3\mu_{30}\mu_{03}^2\mu_{63} + 27\mu_{21}^3\mu_{36} - 81\mu_{21}^2\mu_{12}\mu_{45} + 27\mu_{21}^2\mu_{03}\mu_{54} + 81\mu_{21}\mu_{12}^2\mu_{54} \\ & -54\mu_{21}\mu_{12}\mu_{03}\mu_{63} + 9\mu_{21}\mu_{03}^2\mu_{72} - 27\mu_{12}^3\mu_{63} + 27\mu_{12}^2\mu_{03}\mu_{72} - 9\mu_{12}\mu_{03}^2\mu_{81} \\ & +\mu_{03}^3\mu_{90})/\mu_{00}^{13} \end{aligned}$$

weight=9

structure: 0,3,0,0,0,0,0,1

Generating graph:

$$\begin{array}{ccccccccc} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\ 2 & 2 & 2 & 3 & 3 & 3 & 4 & 4 & 4 \end{array}$$



**Simultaneous invariants of the orders 2, 3 and 9**

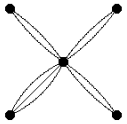
$$
\begin{aligned}
I_{330} \;=\; & (-\mu_{20}^3\mu_{30}\mu_{09} + 3\mu_{20}^3\mu_{21}\mu_{18} - 3\mu_{20}^3\mu_{12}\mu_{27} + \mu_{20}^3\mu_{03}\mu_{36} + 6\mu_{20}^2\mu_{11}\mu_{30}\mu_{18} \\
& -18\mu_{20}^2\mu_{11}\mu_{21}\mu_{27} + 18\mu_{20}^2\mu_{11}\mu_{12}\mu_{36} - 6\mu_{20}^2\mu_{11}\mu_{03}\mu_{45} - 3\mu_{20}^2\mu_{02}\mu_{30}\mu_{27} \\
& +9\mu_{20}^2\mu_{02}\mu_{21}\mu_{36} - 9\mu_{20}^2\mu_{02}\mu_{12}\mu_{45} + 3\mu_{20}^2\mu_{02}\mu_{03}\mu_{54} - 12\mu_{20}\mu_{11}^2\mu_{30}\mu_{27} \\
& +36\mu_{20}\mu_{11}^2\mu_{21}\mu_{36} - 36\mu_{20}\mu_{11}^2\mu_{12}\mu_{45} + 12\mu_{20}\mu_{11}^2\mu_{03}\mu_{54} \\
& +12\mu_{20}\mu_{11}\mu_{02}\mu_{30}\mu_{36} - 36\mu_{20}\mu_{11}\mu_{02}\mu_{21}\mu_{45} + 36\mu_{20}\mu_{11}\mu_{02}\mu_{12}\mu_{54} \\
& -12\mu_{20}\mu_{11}\mu_{02}\mu_{03}\mu_{63} - 3\mu_{20}\mu_{02}^2\mu_{30}\mu_{45} + 9\mu_{20}\mu_{02}^2\mu_{21}\mu_{54} \\
& -9\mu_{20}\mu_{02}^2\mu_{12}\mu_{63} + 3\mu_{20}\mu_{02}^2\mu_{03}\mu_{72} + 8\mu_{11}^3\mu_{30}\mu_{36} - 24\mu_{11}^3\mu_{21}\mu_{45} \\
& +24\mu_{11}^3\mu_{12}\mu_{54} - 8\mu_{11}^3\mu_{03}\mu_{63} - 12\mu_{11}^2\mu_{02}\mu_{30}\mu_{45} + 36\mu_{11}^2\mu_{02}\mu_{21}\mu_{54} \\
& -36\mu_{11}^2\mu_{02}\mu_{12}\mu_{63} + 12\mu_{11}^2\mu_{02}\mu_{03}\mu_{72} + 6\mu_{11}\mu_{02}^2\mu_{30}\mu_{54} - 18\mu_{11}\mu_{02}^2\mu_{21}\mu_{63} \\
& +18\mu_{11}\mu_{02}^2\mu_{12}\mu_{72} - 6\mu_{11}\mu_{02}^2\mu_{03}\mu_{81} - \mu_{02}^3\mu_{30}\mu_{63} + 3\mu_{02}^3\mu_{21}\mu_{72} \\
& -3\mu_{02}^3\mu_{12}\mu_{81} + \mu_{02}^3\mu_{03}\mu_{90})/\mu_{00}^{14}
\end{aligned}
$$

weight=9

structure: 3,1,0,0,0,0,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 |



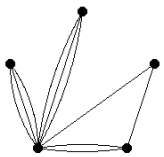
$$
\begin{aligned}
I_{331} \;=\; & (\mu_{20}\mu_{30}^2\mu_{21}\mu_{09} - 2\mu_{20}\mu_{30}^2\mu_{12}\mu_{18} + \mu_{20}\mu_{30}^2\mu_{03}\mu_{27} - 6\mu_{20}\mu_{30}\mu_{21}^2\mu_{18} \\
& +18\mu_{20}\mu_{30}\mu_{21}\mu_{12}\mu_{27} - 8\mu_{20}\mu_{30}\mu_{21}\mu_{03}\mu_{36} - 12\mu_{20}\mu_{30}\mu_{12}^2\mu_{36} \\
& +10\mu_{20}\mu_{30}\mu_{12}\mu_{03}\mu_{45} - 2\mu_{20}\mu_{30}\mu_{03}^2\mu_{54} + 9\mu_{20}\mu_{21}^3\mu_{27} - 36\mu_{20}\mu_{21}^2\mu_{12}\mu_{36} \\
& +15\mu_{20}\mu_{21}^2\mu_{03}\mu_{45} + 45\mu_{20}\mu_{21}\mu_{12}^2\mu_{45} - 36\mu_{20}\mu_{21}\mu_{12}\mu_{03}\mu_{54} \\
& +7\mu_{20}\mu_{21}\mu_{03}^2\mu_{63} - 18\mu_{20}\mu_{12}^3\mu_{54} + 21\mu_{20}\mu_{12}^2\mu_{03}\mu_{63} - 8\mu_{20}\mu_{12}\mu_{03}^2\mu_{72} \\
& +\mu_{20}\mu_{03}^3\mu_{81} - \mu_{11}\mu_{30}^3\mu_{09} + 7\mu_{11}\mu_{30}^2\mu_{21}\mu_{18} - 5\mu_{11}\mu_{30}^2\mu_{12}\mu_{27} \\
& +\mu_{11}\mu_{30}^2\mu_{03}\mu_{36} - 15\mu_{11}\mu_{30}\mu_{21}^2\mu_{27} + 18\mu_{11}\mu_{30}\mu_{21}\mu_{12}\mu_{36} \\
& -2\mu_{11}\mu_{30}\mu_{21}\mu_{03}\mu_{45} - 3\mu_{11}\mu_{30}\mu_{12}^2\mu_{45} - 2\mu_{11}\mu_{30}\mu_{12}\mu_{03}\mu_{54} \\
& +\mu_{11}\mu_{30}\mu_{03}^2\mu_{63} + 9\mu_{11}\mu_{21}^3\mu_{36} - 9\mu_{11}\mu_{21}^2\mu_{12}\mu_{45} - 3\mu_{11}\mu_{21}^2\mu_{03}\mu_{54} \\
& -9\mu_{11}\mu_{21}\mu_{12}^2\mu_{54} + 18\mu_{11}\mu_{21}\mu_{12}\mu_{03}\mu_{63} - 5\mu_{11}\mu_{21}\mu_{03}^2\mu_{72} + 9\mu_{11}\mu_{12}^3\mu_{63} \\
& -15\mu_{11}\mu_{12}^2\mu_{03}\mu_{72} + 7\mu_{11}\mu_{12}\mu_{03}^2\mu_{81} - \mu_{11}\mu_{03}^3\mu_{90} + \mu_{02}\mu_{30}^3\mu_{18} \\
& -8\mu_{02}\mu_{30}^2\mu_{21}\mu_{27} + 7\mu_{02}\mu_{30}^2\mu_{12}\mu_{36} - 2\mu_{02}\mu_{30}^2\mu_{03}\mu_{45} + 21\mu_{02}\mu_{30}\mu_{21}^2\mu_{36} \\
& -36\mu_{02}\mu_{30}\mu_{21}\mu_{12}\mu_{45} + 10\mu_{02}\mu_{30}\mu_{21}\mu_{03}\mu_{54} + 15\mu_{02}\mu_{30}\mu_{12}^2\mu_{54} \\
& -8\mu_{02}\mu_{30}\mu_{12}\mu_{03}\mu_{63} + \mu_{02}\mu_{30}\mu_{03}^2\mu_{72} - 18\mu_{02}\mu_{21}^3\mu_{45} + 45\mu_{02}\mu_{21}^2\mu_{12}\mu_{54} \\
& -12\mu_{02}\mu_{21}^2\mu_{03}\mu_{63} - 36\mu_{02}\mu_{21}\mu_{12}^2\mu_{63} + 18\mu_{02}\mu_{21}\mu_{12}\mu_{03}\mu_{72} \\
& -2\mu_{02}\mu_{21}\mu_{03}^2\mu_{81} + 9\mu_{02}\mu_{12}^3\mu_{72} - 6\mu_{02}\mu_{12}^2\mu_{03}\mu_{81} + \mu_{02}\mu_{12}\mu_{03}^2\mu_{90})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 1,3,0,0,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 |



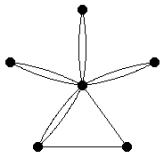
$$
\begin{aligned}
I_{332} \;=\; & (\mu_{20}^4\mu_{21}\mu_{09} - 2\mu_{20}^4\mu_{12}\mu_{18} + \mu_{20}^4\mu_{03}\mu_{27} - \mu_{20}^3\mu_{11}\mu_{30}\mu_{09} \\
& -5\mu_{20}^3\mu_{11}\mu_{21}\mu_{18} + 13\mu_{20}^3\mu_{11}\mu_{12}\mu_{27} - 7\mu_{20}^3\mu_{11}\mu_{03}\mu_{36} + \mu_{20}^3\mu_{02}\mu_{30}\mu_{18} \\
& +\mu_{20}^3\mu_{02}\mu_{21}\mu_{27} - 5\mu_{20}^3\mu_{02}\mu_{12}\mu_{36} + 3\mu_{20}^3\mu_{02}\mu_{03}\mu_{45} + 6\mu_{20}^2\mu_{11}^2\mu_{30}\mu_{18} \\
& +6\mu_{20}^2\mu_{11}^2\mu_{21}\mu_{27} - 30\mu_{20}^2\mu_{11}^2\mu_{12}\mu_{36} + 18\mu_{20}^2\mu_{11}^2\mu_{03}\mu_{45} \\
& -9\mu_{20}^2\mu_{11}\mu_{02}\mu_{30}\mu_{27} + 3\mu_{20}^2\mu_{11}\mu_{02}\mu_{21}\mu_{36} + 21\mu_{20}^2\mu_{11}\mu_{02}\mu_{12}\mu_{45} \\
& -15\mu_{20}^2\mu_{11}\mu_{02}\mu_{03}\mu_{54} + 3\mu_{20}^2\mu_{02}^2\mu_{30}\mu_{36} - 3\mu_{20}^2\mu_{02}^2\mu_{21}\mu_{45} \\
& -3\mu_{20}^2\mu_{02}^2\mu_{12}\mu_{54} + 3\mu_{20}^2\mu_{02}^2\mu_{03}\mu_{63} - 12\mu_{20}\mu_{11}^3\mu_{30}\mu_{27} + 4\mu_{20}\mu_{11}^3\mu_{21}\mu_{36} \\
& +28\mu_{20}\mu_{11}^3\mu_{12}\mu_{45} - 20\mu_{20}\mu_{11}^3\mu_{03}\mu_{54} + 24\mu_{20}\mu_{11}^2\mu_{02}\mu_{30}\mu_{36} \\
& -24\mu_{20}\mu_{11}^2\mu_{02}\mu_{21}\mu_{45} - 24\mu_{20}\mu_{11}^2\mu_{02}\mu_{12}\mu_{54} + 24\mu_{20}\mu_{11}^2\mu_{02}\mu_{03}\mu_{63} \\
& -15\mu_{20}\mu_{11}\mu_{02}^2\mu_{30}\mu_{45} + 21\mu_{20}\mu_{11}\mu_{02}^2\mu_{21}\mu_{54} + 3\mu_{20}\mu_{11}\mu_{02}^2\mu_{12}\mu_{63} \\
& -9\mu_{20}\mu_{11}\mu_{02}^2\mu_{03}\mu_{72} + 3\mu_{20}\mu_{02}^3\mu_{30}\mu_{54} - 5\mu_{20}\mu_{02}^3\mu_{21}\mu_{63} \\
& +\mu_{20}\mu_{02}^3\mu_{12}\mu_{72} + \mu_{20}\mu_{02}^3\mu_{03}\mu_{81} + 8\mu_{11}^4\mu_{30}\mu_{36} - 8\mu_{11}^4\mu_{21}\mu_{45} \\
& -8\mu_{11}^4\mu_{12}\mu_{54} + 8\mu_{11}^4\mu_{03}\mu_{63} - 20\mu_{11}^3\mu_{02}\mu_{30}\mu_{45} + 28\mu_{11}^3\mu_{02}\mu_{21}\mu_{54} \\
& +4\mu_{11}^3\mu_{02}\mu_{12}\mu_{63} - 12\mu_{11}^3\mu_{02}\mu_{03}\mu_{72} + 18\mu_{11}^2\mu_{02}^2\mu_{30}\mu_{54} - 30\mu_{11}^2\mu_{02}^2\mu_{21}\mu_{63} \\
& +6\mu_{11}^2\mu_{02}^2\mu_{12}\mu_{72} + 6\mu_{11}^2\mu_{02}^2\mu_{03}\mu_{81} - 7\mu_{11}\mu_{02}^3\mu_{30}\mu_{63} + 13\mu_{11}\mu_{02}^3\mu_{21}\mu_{72} \\
& -5\mu_{11}\mu_{02}^3\mu_{12}\mu_{81} - \mu_{11}\mu_{02}^3\mu_{03}\mu_{90} + \mu_{02}^4\mu_{30}\mu_{72} - 2\mu_{02}^4\mu_{21}\mu_{81} \\
& +\mu_{02}^4\mu_{12}\mu_{90})/\mu_{00}^{16}
\end{aligned}
$$

weight=10

structure: 4,1,0,0,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |



**Simultaneous invariants of the orders 3, 4 and 9**

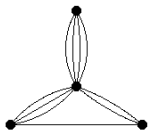
$$
\begin{aligned}
I_{333} \;=\; & (\mu_{30}\mu_{40}\mu_{31}\mu_{09} - 3\mu_{30}\mu_{40}\mu_{22}\mu_{18} + 3\mu_{30}\mu_{40}\mu_{13}\mu_{27} - \mu_{30}\mu_{40}\mu_{04}\mu_{36} \\
& -4\mu_{30}\mu_{31}^2\mu_{18} + 18\mu_{30}\mu_{31}\mu_{22}\mu_{27} - 16\mu_{30}\mu_{31}\mu_{13}\mu_{36} + 5\mu_{30}\mu_{31}\mu_{04}\mu_{45} \\
& -18\mu_{30}\mu_{22}^2\mu_{36} + 30\mu_{30}\mu_{22}\mu_{13}\mu_{45} - 9\mu_{30}\mu_{22}\mu_{04}\mu_{54} - 12\mu_{30}\mu_{13}^2\mu_{54} \\
& +7\mu_{30}\mu_{13}\mu_{04}\mu_{63} - \mu_{30}\mu_{04}^2\mu_{72} - \mu_{21}\mu_{40}^2\mu_{09} + 5\mu_{21}\mu_{40}\mu_{31}\mu_{18} \\
& -3\mu_{21}\mu_{40}\mu_{22}\mu_{27} - \mu_{21}\mu_{40}\mu_{13}\mu_{36} + \mu_{21}\mu_{40}\mu_{04}\mu_{45} - 4\mu_{21}\mu_{31}^2\mu_{27} \\
& -6\mu_{21}\mu_{31}\mu_{22}\mu_{36} + 16\mu_{21}\mu_{31}\mu_{13}\mu_{45} - 7\mu_{21}\mu_{31}\mu_{04}\mu_{54} + 18\mu_{21}\mu_{22}^2\mu_{45} \\
& -42\mu_{21}\mu_{22}\mu_{13}\mu_{54} + 15\mu_{21}\mu_{22}\mu_{04}\mu_{63} + 20\mu_{21}\mu_{13}^2\mu_{63} - 13\mu_{21}\mu_{13}\mu_{04}\mu_{72} \\
& +2\mu_{21}\mu_{04}^2\mu_{81} + 2\mu_{12}\mu_{40}^2\mu_{18} - 13\mu_{12}\mu_{40}\mu_{31}\mu_{27} + 15\mu_{12}\mu_{40}\mu_{22}\mu_{36} \\
& -7\mu_{12}\mu_{40}\mu_{13}\mu_{45} + \mu_{12}\mu_{40}\mu_{04}\mu_{54} + 20\mu_{12}\mu_{31}^2\mu_{36} - 42\mu_{12}\mu_{31}\mu_{22}\mu_{45} \\
& +16\mu_{12}\mu_{31}\mu_{13}\mu_{54} - \mu_{12}\mu_{31}\mu_{04}\mu_{63} + 18\mu_{12}\mu_{22}^2\mu_{54} - 6\mu_{12}\mu_{22}\mu_{13}\mu_{63} \\
& -3\mu_{12}\mu_{22}\mu_{04}\mu_{72} - 4\mu_{12}\mu_{13}^2\mu_{72} + 5\mu_{12}\mu_{13}\mu_{04}\mu_{81} - \mu_{12}\mu_{04}^2\mu_{90} \\
& -\mu_{03}\mu_{40}^2\mu_{27} + 7\mu_{03}\mu_{40}\mu_{31}\mu_{36} - 9\mu_{03}\mu_{40}\mu_{22}\mu_{45} + 5\mu_{03}\mu_{40}\mu_{13}\mu_{54} \\
& -\mu_{03}\mu_{40}\mu_{04}\mu_{63} - 12\mu_{03}\mu_{31}^2\mu_{45} + 30\mu_{03}\mu_{31}\mu_{22}\mu_{54} - 16\mu_{03}\mu_{31}\mu_{13}\mu_{63} \\
& +3\mu_{03}\mu_{31}\mu_{04}\mu_{72} - 18\mu_{03}\mu_{22}^2\mu_{63} + 18\mu_{03}\mu_{22}\mu_{13}\mu_{72} - 3\mu_{03}\mu_{22}\mu_{04}\mu_{81} \\
& -4\mu_{03}\mu_{13}^2\mu_{81} + \mu_{03}\mu_{13}\mu_{04}\mu_{90})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,1,2,0,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |



**Simultaneous invariants of the orders 2, 5 and 9**

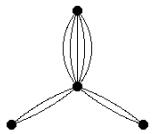
$$
\begin{aligned}
I_{334} \;=\; & (-\mu_{20}^2\mu_{50}\mu_{09} + 5\mu_{20}^2\mu_{41}\mu_{18} - 10\mu_{20}^2\mu_{32}\mu_{27} + 10\mu_{20}^2\mu_{23}\mu_{36} - 5\mu_{20}^2\mu_{14}\mu_{45} \\
& +\mu_{20}^2\mu_{05}\mu_{54} + 4\mu_{20}\mu_{11}\mu_{50}\mu_{18} - 20\mu_{20}\mu_{11}\mu_{41}\mu_{27} + 40\mu_{20}\mu_{11}\mu_{32}\mu_{36} \\
& -40\mu_{20}\mu_{11}\mu_{23}\mu_{45} + 20\mu_{20}\mu_{11}\mu_{14}\mu_{54} - 4\mu_{20}\mu_{11}\mu_{05}\mu_{63} - 2\mu_{20}\mu_{02}\mu_{50}\mu_{27} \\
& +10\mu_{20}\mu_{02}\mu_{41}\mu_{36} - 20\mu_{20}\mu_{02}\mu_{32}\mu_{45} + 20\mu_{20}\mu_{02}\mu_{23}\mu_{54} - 10\mu_{20}\mu_{02}\mu_{14}\mu_{63} \\
& +2\mu_{20}\mu_{02}\mu_{05}\mu_{72} - 4\mu_{11}^2\mu_{50}\mu_{27} + 20\mu_{11}^2\mu_{41}\mu_{36} - 40\mu_{11}^2\mu_{32}\mu_{45} + 40\mu_{11}^2\mu_{23}\mu_{54} \\
& -20\mu_{11}^2\mu_{14}\mu_{63} + 4\mu_{11}^2\mu_{05}\mu_{72} + 4\mu_{11}\mu_{02}\mu_{50}\mu_{36} - 20\mu_{11}\mu_{02}\mu_{41}\mu_{45} \\
& +40\mu_{11}\mu_{02}\mu_{32}\mu_{54} - 40\mu_{11}\mu_{02}\mu_{23}\mu_{63} + 20\mu_{11}\mu_{02}\mu_{14}\mu_{72} - 4\mu_{11}\mu_{02}\mu_{05}\mu_{81} \\
& -\mu_{02}^2\mu_{50}\mu_{45} + 5\mu_{02}^2\mu_{41}\mu_{54} - 10\mu_{02}^2\mu_{32}\mu_{63} + 10\mu_{02}^2\mu_{23}\mu_{72} - 5\mu_{02}^2\mu_{14}\mu_{81} \\
& +\mu_{02}^2\mu_{05}\mu_{90})/\mu_{00}^{13}
\end{aligned}
$$

weight=9

structure: 2,0,0,1,0,0,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 |



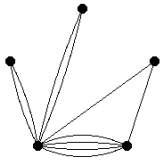
$$
\begin{aligned}
I_{335} \;=\; & (\mu_{20}^3\mu_{41}\mu_{09} - 4\mu_{20}^3\mu_{32}\mu_{18} + 6\mu_{20}^3\mu_{23}\mu_{27} - 4\mu_{20}^3\mu_{14}\mu_{36} + \mu_{20}^3\mu_{05}\mu_{45} \\
& -\mu_{20}^2\mu_{11}\mu_{50}\mu_{09} - \mu_{20}^2\mu_{11}\mu_{41}\mu_{18} + 14\mu_{20}^2\mu_{11}\mu_{32}\mu_{27} - 26\mu_{20}^2\mu_{11}\mu_{23}\mu_{36} \\
& +19\mu_{20}^2\mu_{11}\mu_{14}\mu_{45} - 5\mu_{20}^2\mu_{11}\mu_{05}\mu_{54} + \mu_{20}^2\mu_{02}\mu_{50}\mu_{18} - 2\mu_{20}^2\mu_{02}\mu_{41}\mu_{27} \\
& -2\mu_{20}^2\mu_{02}\mu_{32}\mu_{36} + 8\mu_{20}^2\mu_{02}\mu_{23}\mu_{45} - 7\mu_{20}^2\mu_{02}\mu_{14}\mu_{54} + 2\mu_{20}^2\mu_{02}\mu_{05}\mu_{63} \\
& +4\mu_{20}\mu_{11}^2\mu_{50}\mu_{18} - 8\mu_{20}\mu_{11}^2\mu_{41}\mu_{27} - 8\mu_{20}\mu_{11}^2\mu_{32}\mu_{36} + 32\mu_{20}\mu_{11}^2\mu_{23}\mu_{45} \\
& -28\mu_{20}\mu_{11}^2\mu_{14}\mu_{54} + 8\mu_{20}\mu_{11}^2\mu_{05}\mu_{63} - 6\mu_{20}\mu_{11}\mu_{02}\mu_{50}\mu_{27} \\
& +18\mu_{20}\mu_{11}\mu_{02}\mu_{41}\mu_{36} - 12\mu_{20}\mu_{11}\mu_{02}\mu_{32}\mu_{45} - 12\mu_{20}\mu_{11}\mu_{02}\mu_{23}\mu_{54} \\
& +18\mu_{20}\mu_{11}\mu_{02}\mu_{14}\mu_{63} - 6\mu_{20}\mu_{11}\mu_{02}\mu_{05}\mu_{72} + 2\mu_{20}\mu_{02}^2\mu_{50}\mu_{36} \\
& -7\mu_{20}\mu_{02}^2\mu_{41}\mu_{45} + 8\mu_{20}\mu_{02}^2\mu_{32}\mu_{54} - 2\mu_{20}\mu_{02}^2\mu_{23}\mu_{63} - 2\mu_{20}\mu_{02}^2\mu_{14}\mu_{72} \\
& +\mu_{20}\mu_{02}^2\mu_{05}\mu_{81} - 4\mu_{11}^3\mu_{50}\mu_{27} + 12\mu_{11}^3\mu_{41}\mu_{36} - 8\mu_{11}^3\mu_{32}\mu_{45} - 8\mu_{11}^3\mu_{23}\mu_{54} \\
& +12\mu_{11}^3\mu_{14}\mu_{63} - 4\mu_{11}^3\mu_{05}\mu_{72} + 8\mu_{11}^2\mu_{02}\mu_{50}\mu_{36} - 28\mu_{11}^2\mu_{02}\mu_{41}\mu_{45} \\
& +32\mu_{11}^2\mu_{02}\mu_{32}\mu_{54} - 8\mu_{11}^2\mu_{02}\mu_{23}\mu_{63} - 8\mu_{11}^2\mu_{02}\mu_{14}\mu_{72} + 4\mu_{11}^2\mu_{02}\mu_{05}\mu_{81} \\
& -5\mu_{11}\mu_{02}^2\mu_{50}\mu_{45} + 19\mu_{11}\mu_{02}^2\mu_{41}\mu_{54} - 26\mu_{11}\mu_{02}^2\mu_{32}\mu_{63} + 14\mu_{11}\mu_{02}^2\mu_{23}\mu_{72} \\
& -\mu_{11}\mu_{02}^2\mu_{14}\mu_{81} - \mu_{11}\mu_{02}^2\mu_{05}\mu_{90} + \mu_{02}^3\mu_{50}\mu_{54} - 4\mu_{02}^3\mu_{41}\mu_{63} \\
& +6\mu_{02}^3\mu_{32}\mu_{72} - 4\mu_{02}^3\mu_{23}\mu_{81} + \mu_{02}^3\mu_{14}\mu_{90})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 3,0,0,1,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 |



**Simultaneous invariants of the orders 3, 5 and 9**

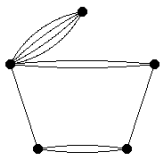
$$
\begin{aligned}
I_{336} \;=\; & (\mu_{30}^2\mu_{41}\mu_{09} - 4\mu_{30}^2\mu_{32}\mu_{18} + 6\mu_{30}^2\mu_{23}\mu_{27} - 4\mu_{30}^2\mu_{14}\mu_{36} + \mu_{30}^2\mu_{05}\mu_{45} \\
& -\mu_{30}\mu_{21}\mu_{50}\mu_{09} - \mu_{30}\mu_{21}\mu_{41}\mu_{18} + 14\mu_{30}\mu_{21}\mu_{32}\mu_{27} - 26\mu_{30}\mu_{21}\mu_{23}\mu_{36} \\
& +19\mu_{30}\mu_{21}\mu_{14}\mu_{45} - 5\mu_{30}\mu_{21}\mu_{05}\mu_{54} + 2\mu_{30}\mu_{12}\mu_{50}\mu_{18} - 4\mu_{30}\mu_{12}\mu_{41}\mu_{27} \\
& -4\mu_{30}\mu_{12}\mu_{32}\mu_{36} + 16\mu_{30}\mu_{12}\mu_{23}\mu_{45} - 14\mu_{30}\mu_{12}\mu_{14}\mu_{54} + 4\mu_{30}\mu_{12}\mu_{05}\mu_{63} \\
& -\mu_{30}\mu_{03}\mu_{50}\mu_{27} + 3\mu_{30}\mu_{03}\mu_{41}\mu_{36} - 2\mu_{30}\mu_{03}\mu_{32}\mu_{45} - 2\mu_{30}\mu_{03}\mu_{23}\mu_{54} \\
& +3\mu_{30}\mu_{03}\mu_{14}\mu_{63} - \mu_{30}\mu_{03}\mu_{05}\mu_{72} + 3\mu_{21}^2\mu_{50}\mu_{18} - 6\mu_{21}^2\mu_{41}\mu_{27} \\
& -6\mu_{21}^2\mu_{32}\mu_{36} + 24\mu_{21}^2\mu_{23}\mu_{45} - 21\mu_{21}^2\mu_{14}\mu_{54} + 6\mu_{21}^2\mu_{05}\mu_{63} - 9\mu_{21}\mu_{12}\mu_{50}\mu_{27} \\
& +27\mu_{21}\mu_{12}\mu_{41}\mu_{36} - 18\mu_{21}\mu_{12}\mu_{32}\mu_{45} - 18\mu_{21}\mu_{12}\mu_{23}\mu_{54} + 27\mu_{21}\mu_{12}\mu_{14}\mu_{63} \\
& -9\mu_{21}\mu_{12}\mu_{05}\mu_{72} + 4\mu_{21}\mu_{03}\mu_{50}\mu_{36} - 14\mu_{21}\mu_{03}\mu_{41}\mu_{45} + 16\mu_{21}\mu_{03}\mu_{32}\mu_{54} \\
& -4\mu_{21}\mu_{03}\mu_{23}\mu_{63} - 4\mu_{21}\mu_{03}\mu_{14}\mu_{72} + 2\mu_{21}\mu_{03}\mu_{05}\mu_{81} + 6\mu_{12}^2\mu_{50}\mu_{36} \\
& -21\mu_{12}^2\mu_{41}\mu_{45} + 24\mu_{12}^2\mu_{32}\mu_{54} - 6\mu_{12}^2\mu_{23}\mu_{63} - 6\mu_{12}^2\mu_{14}\mu_{72} + 3\mu_{12}^2\mu_{05}\mu_{81} \\
& -5\mu_{12}\mu_{03}\mu_{50}\mu_{45} + 19\mu_{12}\mu_{03}\mu_{41}\mu_{54} - 26\mu_{12}\mu_{03}\mu_{32}\mu_{63} + 14\mu_{12}\mu_{03}\mu_{23}\mu_{72} \\
& -\mu_{12}\mu_{03}\mu_{14}\mu_{81} - \mu_{12}\mu_{03}\mu_{05}\mu_{90} + \mu_{03}^2\mu_{50}\mu_{54} - 4\mu_{03}^2\mu_{41}\mu_{63} \\
& +6\mu_{03}^2\mu_{32}\mu_{72} - 4\mu_{03}^2\mu_{23}\mu_{81} + \mu_{03}^2\mu_{14}\mu_{90})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,2,0,1,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 |



**Simultaneous invariants of the orders 4, 5 and 9**

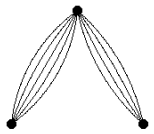
$$
\begin{aligned}
I_{337} \;=\; & (-\mu_{40}\mu_{50}\mu_{09} + 5\mu_{40}\mu_{41}\mu_{18} - 10\mu_{40}\mu_{32}\mu_{27} + 10\mu_{40}\mu_{23}\mu_{36} - 5\mu_{40}\mu_{14}\mu_{45} \\
& +\mu_{40}\mu_{05}\mu_{54} + 4\mu_{31}\mu_{50}\mu_{18} - 20\mu_{31}\mu_{41}\mu_{27} + 40\mu_{31}\mu_{32}\mu_{36} - 40\mu_{31}\mu_{23}\mu_{45} \\
& +20\mu_{31}\mu_{14}\mu_{54} - 4\mu_{31}\mu_{05}\mu_{63} - 6\mu_{22}\mu_{50}\mu_{27} + 30\mu_{22}\mu_{41}\mu_{36} - 60\mu_{22}\mu_{32}\mu_{45} \\
& +60\mu_{22}\mu_{23}\mu_{54} - 30\mu_{22}\mu_{14}\mu_{63} + 6\mu_{22}\mu_{05}\mu_{72} + 4\mu_{13}\mu_{50}\mu_{36} - 20\mu_{13}\mu_{41}\mu_{45} \\
& +40\mu_{13}\mu_{32}\mu_{54} - 40\mu_{13}\mu_{23}\mu_{63} + 20\mu_{13}\mu_{14}\mu_{72} - 4\mu_{13}\mu_{05}\mu_{81} - \mu_{04}\mu_{50}\mu_{45} \\
& +5\mu_{04}\mu_{41}\mu_{54} - 10\mu_{04}\mu_{32}\mu_{63} + 10\mu_{04}\mu_{23}\mu_{72} - 5\mu_{04}\mu_{14}\mu_{81} + \mu_{04}\mu_{05}\mu_{90})/\mu_{00}^{12}
\end{aligned}
$$

weight=9

structure: 0,0,1,1,0,0,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |



**Simultaneous invariants of the orders 3, 6 and 9**

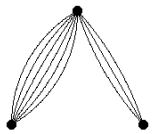
$$\begin{aligned} I_{338} \;=\; & (-\mu_{30}\mu_{60}\mu_{09} + 6\mu_{30}\mu_{51}\mu_{18} - 15\mu_{30}\mu_{42}\mu_{27} + 20\mu_{30}\mu_{33}\mu_{36} - 15\mu_{30}\mu_{24}\mu_{45} \\ & +6\mu_{30}\mu_{15}\mu_{54} - \mu_{30}\mu_{06}\mu_{63} + 3\mu_{21}\mu_{60}\mu_{18} - 18\mu_{21}\mu_{51}\mu_{27} + 45\mu_{21}\mu_{42}\mu_{36} \\ & -60\mu_{21}\mu_{33}\mu_{45} + 45\mu_{21}\mu_{24}\mu_{54} - 18\mu_{21}\mu_{15}\mu_{63} + 3\mu_{21}\mu_{06}\mu_{72} - 3\mu_{12}\mu_{60}\mu_{27} \\ & +18\mu_{12}\mu_{51}\mu_{36} - 45\mu_{12}\mu_{42}\mu_{45} + 60\mu_{12}\mu_{33}\mu_{54} - 45\mu_{12}\mu_{24}\mu_{63} + 18\mu_{12}\mu_{15}\mu_{72} \\ & -3\mu_{12}\mu_{06}\mu_{81} + \mu_{03}\mu_{60}\mu_{36} - 6\mu_{03}\mu_{51}\mu_{45} + 15\mu_{03}\mu_{42}\mu_{54} - 20\mu_{03}\mu_{33}\mu_{63} \\ & +15\mu_{03}\mu_{24}\mu_{72} - 6\mu_{03}\mu_{15}\mu_{81} + \mu_{03}\mu_{06}\mu_{90})/\mu_{00}^{12} \end{aligned}$$

weight=9

structure: 0,1,0,0,1,0,0,1

Generating graph:

$$\begin{array}{ccccccccc} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\ 2 & 2 & 2 & 2 & 2 & 2 & 3 & 3 & 3 \end{array}$$



**Simultaneous invariants of the orders 5, 6 and 9**

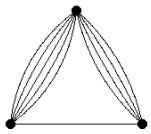
$$\begin{aligned} I_{339} \;=\; & (\mu_{50}\mu_{51}\mu_{09} - 5\mu_{50}\mu_{42}\mu_{18} + 10\mu_{50}\mu_{33}\mu_{27} - 10\mu_{50}\mu_{24}\mu_{36} + 5\mu_{50}\mu_{15}\mu_{45} \\ & -\mu_{50}\mu_{06}\mu_{54} - \mu_{41}\mu_{60}\mu_{09} + \mu_{41}\mu_{51}\mu_{18} + 10\mu_{41}\mu_{42}\mu_{27} - 30\mu_{41}\mu_{33}\mu_{36} \\ & +35\mu_{41}\mu_{24}\mu_{45} - 19\mu_{41}\mu_{15}\mu_{54} + 4\mu_{41}\mu_{06}\mu_{63} + 4\mu_{32}\mu_{60}\mu_{18} - 14\mu_{32}\mu_{51}\mu_{27} \\ & +10\mu_{32}\mu_{42}\mu_{36} + 20\mu_{32}\mu_{33}\mu_{45} - 40\mu_{32}\mu_{24}\mu_{54} + 26\mu_{32}\mu_{15}\mu_{63} - 6\mu_{32}\mu_{06}\mu_{72} \\ & -6\mu_{23}\mu_{60}\mu_{27} + 26\mu_{23}\mu_{51}\mu_{36} - 40\mu_{23}\mu_{42}\mu_{45} + 20\mu_{23}\mu_{33}\mu_{54} + 10\mu_{23}\mu_{24}\mu_{63} \\ & -14\mu_{23}\mu_{15}\mu_{72} + 4\mu_{23}\mu_{06}\mu_{81} + 4\mu_{14}\mu_{60}\mu_{36} - 19\mu_{14}\mu_{51}\mu_{45} + 35\mu_{14}\mu_{42}\mu_{54} \\ & -30\mu_{14}\mu_{33}\mu_{63} + 10\mu_{14}\mu_{24}\mu_{72} + \mu_{14}\mu_{15}\mu_{81} - \mu_{14}\mu_{06}\mu_{90} - \mu_{05}\mu_{60}\mu_{45} \\ & +5\mu_{05}\mu_{51}\mu_{54} - 10\mu_{05}\mu_{42}\mu_{63} + 10\mu_{05}\mu_{33}\mu_{72} - 5\mu_{05}\mu_{24}\mu_{81} + \mu_{05}\mu_{15}\mu_{90})/\mu_{00}^{13} \end{aligned}$$

weight=10

structure: 0,0,0,1,1,0,0,1

Generating graph:

$$\begin{array}{cccccccccc} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 2 \\ 2 & 2 & 2 & 2 & 2 & 3 & 3 & 3 & 3 & 3 \end{array}$$



**Simultaneous invariants of the orders 2, 7 and 9**

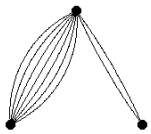
$$\begin{aligned} I_{340} \;=\; & (-\mu_{20}\mu_{70}\mu_{09} + 7\mu_{20}\mu_{61}\mu_{18} - 21\mu_{20}\mu_{52}\mu_{27} + 35\mu_{20}\mu_{43}\mu_{36} - 35\mu_{20}\mu_{34}\mu_{45} \\ & +21\mu_{20}\mu_{25}\mu_{54} - 7\mu_{20}\mu_{16}\mu_{63} + \mu_{20}\mu_{07}\mu_{72} + 2\mu_{11}\mu_{70}\mu_{18} - 14\mu_{11}\mu_{61}\mu_{27} \\ & +42\mu_{11}\mu_{52}\mu_{36} - 70\mu_{11}\mu_{43}\mu_{45} + 70\mu_{11}\mu_{34}\mu_{54} - 42\mu_{11}\mu_{25}\mu_{63} + 14\mu_{11}\mu_{16}\mu_{72} \\ & -2\mu_{11}\mu_{07}\mu_{81} - \mu_{02}\mu_{70}\mu_{27} + 7\mu_{02}\mu_{61}\mu_{36} - 21\mu_{02}\mu_{52}\mu_{45} + 35\mu_{02}\mu_{43}\mu_{54} \\ & -35\mu_{02}\mu_{34}\mu_{63} + 21\mu_{02}\mu_{25}\mu_{72} - 7\mu_{02}\mu_{16}\mu_{81} + \mu_{02}\mu_{07}\mu_{90})/\mu_{00}^{12} \end{aligned}$$

weight=9

structure: 1,0,0,0,0,1,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |



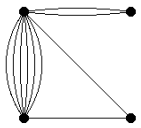
$$\begin{aligned} I_{341} \;=\; & (\mu_{20}^2\mu_{61}\mu_{09} - 6\mu_{20}^2\mu_{52}\mu_{18} + 15\mu_{20}^2\mu_{43}\mu_{27} - 20\mu_{20}^2\mu_{34}\mu_{36} + 15\mu_{20}^2\mu_{25}\mu_{45} \\ & -6\mu_{20}^2\mu_{16}\mu_{54} + \mu_{20}^2\mu_{07}\mu_{63} - \mu_{20}\mu_{11}\mu_{70}\mu_{09} + 3\mu_{20}\mu_{11}\mu_{61}\mu_{18} \\ & +3\mu_{20}\mu_{11}\mu_{52}\mu_{27} - 25\mu_{20}\mu_{11}\mu_{43}\mu_{36} + 45\mu_{20}\mu_{11}\mu_{34}\mu_{45} - 39\mu_{20}\mu_{11}\mu_{25}\mu_{54} \\ & +17\mu_{20}\mu_{11}\mu_{16}\mu_{63} - 3\mu_{20}\mu_{11}\mu_{07}\mu_{72} + \mu_{20}\mu_{02}\mu_{70}\mu_{18} - 5\mu_{20}\mu_{02}\mu_{61}\mu_{27} \\ & +9\mu_{20}\mu_{02}\mu_{52}\mu_{36} - 5\mu_{20}\mu_{02}\mu_{43}\mu_{45} - 5\mu_{20}\mu_{02}\mu_{34}\mu_{54} + 9\mu_{20}\mu_{02}\mu_{25}\mu_{63} \\ & -5\mu_{20}\mu_{02}\mu_{16}\mu_{72} + \mu_{20}\mu_{02}\mu_{07}\mu_{81} + 2\mu_{11}^2\mu_{70}\mu_{18} - 10\mu_{11}^2\mu_{61}\mu_{27} \\ & +18\mu_{11}^2\mu_{52}\mu_{36} - 10\mu_{11}^2\mu_{43}\mu_{45} - 10\mu_{11}^2\mu_{34}\mu_{54} + 18\mu_{11}^2\mu_{25}\mu_{63} - 10\mu_{11}^2\mu_{16}\mu_{72} \\ & +2\mu_{11}^2\mu_{07}\mu_{81} - 3\mu_{11}\mu_{02}\mu_{70}\mu_{27} + 17\mu_{11}\mu_{02}\mu_{61}\mu_{36} - 39\mu_{11}\mu_{02}\mu_{52}\mu_{45} \\ & +45\mu_{11}\mu_{02}\mu_{43}\mu_{54} - 25\mu_{11}\mu_{02}\mu_{34}\mu_{63} + 3\mu_{11}\mu_{02}\mu_{25}\mu_{72} + 3\mu_{11}\mu_{02}\mu_{16}\mu_{81} \\ & -\mu_{11}\mu_{02}\mu_{07}\mu_{90} + \mu_{02}^2\mu_{70}\mu_{36} - 6\mu_{02}^2\mu_{61}\mu_{45} + 15\mu_{02}^2\mu_{52}\mu_{54} - 20\mu_{02}^2\mu_{43}\mu_{63} \\ & +15\mu_{02}^2\mu_{34}\mu_{72} - 6\mu_{02}^2\mu_{25}\mu_{81} + \mu_{02}^2\mu_{16}\mu_{90})/\mu_{00}^{14} \end{aligned}$$

weight=10

structure: 2,0,0,0,0,1,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 |



**Simultaneous invariants of the orders 4, 7 and 9**

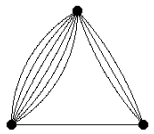
$$\begin{aligned} I_{342} \;=\; & (\mu_{40}\mu_{61}\mu_{09} - 6\mu_{40}\mu_{52}\mu_{18} + 15\mu_{40}\mu_{43}\mu_{27} - 20\mu_{40}\mu_{34}\mu_{36} + 15\mu_{40}\mu_{25}\mu_{45} \\ & -6\mu_{40}\mu_{16}\mu_{54} + \mu_{40}\mu_{07}\mu_{63} - \mu_{31}\mu_{70}\mu_{09} + 3\mu_{31}\mu_{61}\mu_{18} + 3\mu_{31}\mu_{52}\mu_{27} \\ & -25\mu_{31}\mu_{43}\mu_{36} + 45\mu_{31}\mu_{34}\mu_{45} - 39\mu_{31}\mu_{25}\mu_{54} + 17\mu_{31}\mu_{16}\mu_{63} - 3\mu_{31}\mu_{07}\mu_{72} \\ & +3\mu_{22}\mu_{70}\mu_{18} - 15\mu_{22}\mu_{61}\mu_{27} + 27\mu_{22}\mu_{52}\mu_{36} - 15\mu_{22}\mu_{43}\mu_{45} - 15\mu_{22}\mu_{34}\mu_{54} \\ & +27\mu_{22}\mu_{25}\mu_{63} - 15\mu_{22}\mu_{16}\mu_{72} + 3\mu_{22}\mu_{07}\mu_{81} - 3\mu_{13}\mu_{70}\mu_{27} + 17\mu_{13}\mu_{61}\mu_{36} \\ & -39\mu_{13}\mu_{52}\mu_{45} + 45\mu_{13}\mu_{43}\mu_{54} - 25\mu_{13}\mu_{34}\mu_{63} + 3\mu_{13}\mu_{25}\mu_{72} + 3\mu_{13}\mu_{16}\mu_{81} \\ & -\mu_{13}\mu_{07}\mu_{90} + \mu_{04}\mu_{70}\mu_{36} - 6\mu_{04}\mu_{61}\mu_{45} + 15\mu_{04}\mu_{52}\mu_{54} - 20\mu_{04}\mu_{43}\mu_{63} \\ & +15\mu_{04}\mu_{34}\mu_{72} - 6\mu_{04}\mu_{25}\mu_{81} + \mu_{04}\mu_{16}\mu_{90})/\mu_{00}^{13} \end{aligned}$$

weight=10

structure: 0,0,1,0,0,1,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |



**Simultaneous invariants of the orders 3, 8 and 9**

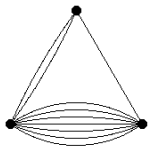
$$\begin{aligned} I_{343} \;=\; & (\mu_{30}\mu_{71}\mu_{09} - 7\mu_{30}\mu_{62}\mu_{18} + 21\mu_{30}\mu_{53}\mu_{27} - 35\mu_{30}\mu_{44}\mu_{36} + 35\mu_{30}\mu_{35}\mu_{45} \\ & -21\mu_{30}\mu_{26}\mu_{54} + 7\mu_{30}\mu_{17}\mu_{63} - \mu_{30}\mu_{08}\mu_{72} - \mu_{21}\mu_{80}\mu_{09} + 5\mu_{21}\mu_{71}\mu_{18} \\ & -7\mu_{21}\mu_{62}\mu_{27} - 7\mu_{21}\mu_{53}\mu_{36} + 35\mu_{21}\mu_{44}\mu_{45} - 49\mu_{21}\mu_{35}\mu_{54} + 35\mu_{21}\mu_{26}\mu_{63} \\ & -13\mu_{21}\mu_{17}\mu_{72} + 2\mu_{21}\mu_{08}\mu_{81} + 2\mu_{12}\mu_{80}\mu_{18} - 13\mu_{12}\mu_{71}\mu_{27} + 35\mu_{12}\mu_{62}\mu_{36} \\ & -49\mu_{12}\mu_{53}\mu_{45} + 35\mu_{12}\mu_{44}\mu_{54} - 7\mu_{12}\mu_{35}\mu_{63} - 7\mu_{12}\mu_{26}\mu_{72} + 5\mu_{12}\mu_{17}\mu_{81} \\ & -\mu_{12}\mu_{08}\mu_{90} - \mu_{03}\mu_{80}\mu_{27} + 7\mu_{03}\mu_{71}\mu_{36} - 21\mu_{03}\mu_{62}\mu_{45} + 35\mu_{03}\mu_{53}\mu_{54} \\ & -35\mu_{03}\mu_{44}\mu_{63} + 21\mu_{03}\mu_{35}\mu_{72} - 7\mu_{03}\mu_{26}\mu_{81} + \mu_{03}\mu_{17}\mu_{90})/\mu_{00}^{13} \end{aligned}$$

weight=10

structure: 0,1,0,0,0,0,1,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |



**Simultaneous invariants of the orders 2, 3, 4 and 9**

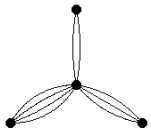
$$
\begin{aligned}
I_{344} \;=\; & (-\mu_{20}\mu_{30}\mu_{40}\mu_{09} + 4\mu_{20}\mu_{30}\mu_{31}\mu_{18} - 6\mu_{20}\mu_{30}\mu_{22}\mu_{27} + 4\mu_{20}\mu_{30}\mu_{13}\mu_{36} \\
& -\mu_{20}\mu_{30}\mu_{04}\mu_{45} + 3\mu_{20}\mu_{21}\mu_{40}\mu_{18} - 12\mu_{20}\mu_{21}\mu_{31}\mu_{27} + 18\mu_{20}\mu_{21}\mu_{22}\mu_{36} \\
& -12\mu_{20}\mu_{21}\mu_{13}\mu_{45} + 3\mu_{20}\mu_{21}\mu_{04}\mu_{54} - 3\mu_{20}\mu_{12}\mu_{40}\mu_{27} + 12\mu_{20}\mu_{12}\mu_{31}\mu_{36} \\
& -18\mu_{20}\mu_{12}\mu_{22}\mu_{45} + 12\mu_{20}\mu_{12}\mu_{13}\mu_{54} - 3\mu_{20}\mu_{12}\mu_{04}\mu_{63} + \mu_{20}\mu_{03}\mu_{40}\mu_{36} \\
& -4\mu_{20}\mu_{03}\mu_{31}\mu_{45} + 6\mu_{20}\mu_{03}\mu_{22}\mu_{54} - 4\mu_{20}\mu_{03}\mu_{13}\mu_{63} + \mu_{20}\mu_{03}\mu_{04}\mu_{72} \\
& +2\mu_{11}\mu_{30}\mu_{40}\mu_{18} - 8\mu_{11}\mu_{30}\mu_{31}\mu_{27} + 12\mu_{11}\mu_{30}\mu_{22}\mu_{36} - 8\mu_{11}\mu_{30}\mu_{13}\mu_{45} \\
& +2\mu_{11}\mu_{30}\mu_{04}\mu_{54} - 6\mu_{11}\mu_{21}\mu_{40}\mu_{27} + 24\mu_{11}\mu_{21}\mu_{31}\mu_{36} - 36\mu_{11}\mu_{21}\mu_{22}\mu_{45} \\
& +24\mu_{11}\mu_{21}\mu_{13}\mu_{54} - 6\mu_{11}\mu_{21}\mu_{04}\mu_{63} + 6\mu_{11}\mu_{12}\mu_{40}\mu_{36} - 24\mu_{11}\mu_{12}\mu_{31}\mu_{45} \\
& +36\mu_{11}\mu_{12}\mu_{22}\mu_{54} - 24\mu_{11}\mu_{12}\mu_{13}\mu_{63} + 6\mu_{11}\mu_{12}\mu_{04}\mu_{72} - 2\mu_{11}\mu_{03}\mu_{40}\mu_{45} \\
& +8\mu_{11}\mu_{03}\mu_{31}\mu_{54} - 12\mu_{11}\mu_{03}\mu_{22}\mu_{63} + 8\mu_{11}\mu_{03}\mu_{13}\mu_{72} - 2\mu_{11}\mu_{03}\mu_{04}\mu_{81} \\
& -\mu_{02}\mu_{30}\mu_{40}\mu_{27} + 4\mu_{02}\mu_{30}\mu_{31}\mu_{36} - 6\mu_{02}\mu_{30}\mu_{22}\mu_{45} + 4\mu_{02}\mu_{30}\mu_{13}\mu_{54} \\
& -\mu_{02}\mu_{30}\mu_{04}\mu_{63} + 3\mu_{02}\mu_{21}\mu_{40}\mu_{36} - 12\mu_{02}\mu_{21}\mu_{31}\mu_{45} + 18\mu_{02}\mu_{21}\mu_{22}\mu_{54} \\
& -12\mu_{02}\mu_{21}\mu_{13}\mu_{63} + 3\mu_{02}\mu_{21}\mu_{04}\mu_{72} - 3\mu_{02}\mu_{12}\mu_{40}\mu_{45} + 12\mu_{02}\mu_{12}\mu_{31}\mu_{54} \\
& -18\mu_{02}\mu_{12}\mu_{22}\mu_{63} + 12\mu_{02}\mu_{12}\mu_{13}\mu_{72} - 3\mu_{02}\mu_{12}\mu_{04}\mu_{81} + \mu_{02}\mu_{03}\mu_{40}\mu_{54} \\
& -4\mu_{02}\mu_{03}\mu_{31}\mu_{63} + 6\mu_{02}\mu_{03}\mu_{22}\mu_{72} - 4\mu_{02}\mu_{03}\mu_{13}\mu_{81} + \mu_{02}\mu_{03}\mu_{04}\mu_{90})/\mu_{00}^{13}
\end{aligned}
$$

weight=9

structure: 1,1,1,0,0,0,0,1

Generating graph:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 |



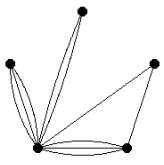
$$
\begin{aligned}
I_{345} \;=\; & (\mu_{20}^2\mu_{30}\mu_{31}\mu_{09} - 3\mu_{20}^2\mu_{30}\mu_{22}\mu_{18} + 3\mu_{20}^2\mu_{30}\mu_{13}\mu_{27} - \mu_{20}^2\mu_{30}\mu_{04}\mu_{36} \\
& -3\mu_{20}^2\mu_{21}\mu_{31}\mu_{18} + 9\mu_{20}^2\mu_{21}\mu_{22}\mu_{27} - 9\mu_{20}^2\mu_{21}\mu_{13}\mu_{36} + 3\mu_{20}^2\mu_{21}\mu_{04}\mu_{45} \\
& +3\mu_{20}^2\mu_{12}\mu_{31}\mu_{27} - 9\mu_{20}^2\mu_{12}\mu_{22}\mu_{36} + 9\mu_{20}^2\mu_{12}\mu_{13}\mu_{45} - 3\mu_{20}^2\mu_{12}\mu_{04}\mu_{54} \\
& -\mu_{20}^2\mu_{03}\mu_{31}\mu_{36} + 3\mu_{20}^2\mu_{03}\mu_{22}\mu_{45} - 3\mu_{20}^2\mu_{03}\mu_{13}\mu_{54} + \mu_{20}^2\mu_{03}\mu_{04}\mu_{63} \\
& -\mu_{20}\mu_{11}\mu_{30}\mu_{40}\mu_{09} + 6\mu_{20}\mu_{11}\mu_{30}\mu_{22}\mu_{27} - 8\mu_{20}\mu_{11}\mu_{30}\mu_{13}\mu_{36} \\
& +3\mu_{20}\mu_{11}\mu_{30}\mu_{04}\mu_{45} + 3\mu_{20}\mu_{11}\mu_{21}\mu_{40}\mu_{18} - 18\mu_{20}\mu_{11}\mu_{21}\mu_{22}\mu_{36} \\
& +24\mu_{20}\mu_{11}\mu_{21}\mu_{13}\mu_{45} - 9\mu_{20}\mu_{11}\mu_{21}\mu_{04}\mu_{54} - 3\mu_{20}\mu_{11}\mu_{12}\mu_{40}\mu_{27} \\
& +18\mu_{20}\mu_{11}\mu_{12}\mu_{22}\mu_{45} - 24\mu_{20}\mu_{11}\mu_{12}\mu_{13}\mu_{54} + 9\mu_{20}\mu_{11}\mu_{12}\mu_{04}\mu_{63} \\
& +\mu_{20}\mu_{11}\mu_{03}\mu_{40}\mu_{36} - 6\mu_{20}\mu_{11}\mu_{03}\mu_{22}\mu_{54} + 8\mu_{20}\mu_{11}\mu_{03}\mu_{13}\mu_{63} \\
& -3\mu_{20}\mu_{11}\mu_{03}\mu_{04}\mu_{72} + \mu_{20}\mu_{02}\mu_{30}\mu_{40}\mu_{18} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{31}\mu_{27} \\
& +2\mu_{20}\mu_{02}\mu_{30}\mu_{13}\mu_{45} - \mu_{20}\mu_{02}\mu_{30}\mu_{04}\mu_{54} - 3\mu_{20}\mu_{02}\mu_{21}\mu_{40}\mu_{27} \\
& +6\mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{36} - 6\mu_{20}\mu_{02}\mu_{21}\mu_{13}\mu_{54} + 3\mu_{20}\mu_{02}\mu_{21}\mu_{04}\mu_{63} \\
& +3\mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{36} - 6\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{45} + 6\mu_{20}\mu_{02}\mu_{12}\mu_{13}\mu_{63} \\
& -3\mu_{20}\mu_{02}\mu_{12}\mu_{04}\mu_{72} - \mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{45} + 2\mu_{20}\mu_{02}\mu_{03}\mu_{31}\mu_{54} \\
& -2\mu_{20}\mu_{02}\mu_{03}\mu_{13}\mu_{72} + \mu_{20}\mu_{02}\mu_{03}\mu_{04}\mu_{81} + 2\mu_{11}^2\mu_{30}\mu_{40}\mu_{18} \\
& -4\mu_{11}^2\mu_{30}\mu_{31}\mu_{27} + 4\mu_{11}^2\mu_{30}\mu_{13}\mu_{45} - 2\mu_{11}^2\mu_{30}\mu_{04}\mu_{54} - 6\mu_{11}^2\mu_{21}\mu_{40}\mu_{27} \\
& +12\mu_{11}^2\mu_{21}\mu_{31}\mu_{36} - 12\mu_{11}^2\mu_{21}\mu_{13}\mu_{54} + 6\mu_{11}^2\mu_{21}\mu_{04}\mu_{63} + 6\mu_{11}^2\mu_{12}\mu_{40}\mu_{36} \\
& -12\mu_{11}^2\mu_{12}\mu_{31}\mu_{45} + 12\mu_{11}^2\mu_{12}\mu_{13}\mu_{63} - 6\mu_{11}^2\mu_{12}\mu_{04}\mu_{72} - 2\mu_{11}^2\mu_{03}\mu_{40}\mu_{45} \\
& +4\mu_{11}^2\mu_{03}\mu_{31}\mu_{54} - 4\mu_{11}^2\mu_{03}\mu_{13}\mu_{72} + 2\mu_{11}^2\mu_{03}\mu_{04}\mu_{81} \\
& -3\mu_{11}\mu_{02}\mu_{30}\mu_{40}\mu_{27} + 8\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{36} - 6\mu_{11}\mu_{02}\mu_{30}\mu_{22}\mu_{45} \\
& +\mu_{11}\mu_{02}\mu_{30}\mu_{04}\mu_{63} + 9\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{36} - 24\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{45} \\
& +18\mu_{11}\mu_{02}\mu_{21}\mu_{22}\mu_{54} - 3\mu_{11}\mu_{02}\mu_{21}\mu_{04}\mu_{72} - 9\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{45} \\
& +24\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{54} - 18\mu_{11}\mu_{02}\mu_{12}\mu_{22}\mu_{63} + 3\mu_{11}\mu_{02}\mu_{12}\mu_{04}\mu_{81} \\
& +3\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{54} - 8\mu_{11}\mu_{02}\mu_{03}\mu_{31}\mu_{63} + 6\mu_{11}\mu_{02}\mu_{03}\mu_{22}\mu_{72} \\
& -\mu_{11}\mu_{02}\mu_{03}\mu_{04}\mu_{90} + \mu_{02}^2\mu_{30}\mu_{40}\mu_{36} - 3\mu_{02}^2\mu_{30}\mu_{31}\mu_{45} \\
& +3\mu_{02}^2\mu_{30}\mu_{22}\mu_{54} - \mu_{02}^2\mu_{30}\mu_{13}\mu_{63} - 3\mu_{02}^2\mu_{21}\mu_{40}\mu_{45} + 9\mu_{02}^2\mu_{21}\mu_{31}\mu_{54} \\
& -9\mu_{02}^2\mu_{21}\mu_{22}\mu_{63} + 3\mu_{02}^2\mu_{21}\mu_{13}\mu_{72} + 3\mu_{02}^2\mu_{12}\mu_{40}\mu_{54} - 9\mu_{02}^2\mu_{12}\mu_{31}\mu_{63} \\
& +9\mu_{02}^2\mu_{12}\mu_{22}\mu_{72} - 3\mu_{02}^2\mu_{12}\mu_{13}\mu_{81} - \mu_{02}^2\mu_{03}\mu_{40}\mu_{63} + 3\mu_{02}^2\mu_{03}\mu_{31}\mu_{72} \\
& -3\mu_{02}^2\mu_{03}\mu_{22}\mu_{81} + \mu_{02}^2\mu_{03}\mu_{13}\mu_{90})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 2,1,1,0,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 |



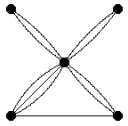
$$
\begin{aligned}
I_{346} \;=\; & (\mu_{20}^2\mu_{30}\mu_{31}\mu_{09} - 3\mu_{20}^2\mu_{30}\mu_{22}\mu_{18} + 3\mu_{20}^2\mu_{30}\mu_{13}\mu_{27} - \mu_{20}^2\mu_{30}\mu_{04}\mu_{36} \\
& -\mu_{20}^2\mu_{21}\mu_{40}\mu_{09} + \mu_{20}^2\mu_{21}\mu_{31}\mu_{18} + 3\mu_{20}^2\mu_{21}\mu_{22}\mu_{27} - 5\mu_{20}^2\mu_{21}\mu_{13}\mu_{36} \\
& +2\mu_{20}^2\mu_{21}\mu_{04}\mu_{45} + 2\mu_{20}^2\mu_{12}\mu_{40}\mu_{18} - 5\mu_{20}^2\mu_{12}\mu_{31}\mu_{27} + 3\mu_{20}^2\mu_{12}\mu_{22}\mu_{36} \\
& +\mu_{20}^2\mu_{12}\mu_{13}\mu_{45} - \mu_{20}^2\mu_{12}\mu_{04}\mu_{54} - \mu_{20}^2\mu_{03}\mu_{40}\mu_{27} + 3\mu_{20}^2\mu_{03}\mu_{31}\mu_{36} \\
& -3\mu_{20}^2\mu_{03}\mu_{22}\mu_{45} + \mu_{20}^2\mu_{03}\mu_{13}\mu_{54} - 4\mu_{20}\mu_{11}\mu_{30}\mu_{31}\mu_{18} \\
& +12\mu_{20}\mu_{11}\mu_{30}\mu_{22}\mu_{27} - 12\mu_{20}\mu_{11}\mu_{30}\mu_{13}\mu_{36} + 4\mu_{20}\mu_{11}\mu_{30}\mu_{04}\mu_{45} \\
& +4\mu_{20}\mu_{11}\mu_{21}\mu_{40}\mu_{18} - 4\mu_{20}\mu_{11}\mu_{21}\mu_{31}\mu_{27} - 12\mu_{20}\mu_{11}\mu_{21}\mu_{22}\mu_{36} \\
& +20\mu_{20}\mu_{11}\mu_{21}\mu_{13}\mu_{45} - 8\mu_{20}\mu_{11}\mu_{21}\mu_{04}\mu_{54} - 8\mu_{20}\mu_{11}\mu_{12}\mu_{40}\mu_{27} \\
& +20\mu_{20}\mu_{11}\mu_{12}\mu_{31}\mu_{36} - 12\mu_{20}\mu_{11}\mu_{12}\mu_{22}\mu_{45} - 4\mu_{20}\mu_{11}\mu_{12}\mu_{13}\mu_{54} \\
& +4\mu_{20}\mu_{11}\mu_{12}\mu_{04}\mu_{63} + 4\mu_{20}\mu_{11}\mu_{03}\mu_{40}\mu_{36} - 12\mu_{20}\mu_{11}\mu_{03}\mu_{31}\mu_{45} \\
& +12\mu_{20}\mu_{11}\mu_{03}\mu_{22}\mu_{54} - 4\mu_{20}\mu_{11}\mu_{03}\mu_{13}\mu_{63} + 2\mu_{20}\mu_{02}\mu_{30}\mu_{31}\mu_{27} \\
& -6\mu_{20}\mu_{02}\mu_{30}\mu_{22}\mu_{36} + 6\mu_{20}\mu_{02}\mu_{30}\mu_{13}\mu_{45} - 2\mu_{20}\mu_{02}\mu_{30}\mu_{04}\mu_{54} \\
& -2\mu_{20}\mu_{02}\mu_{21}\mu_{40}\mu_{27} + 2\mu_{20}\mu_{02}\mu_{21}\mu_{31}\mu_{36} + 6\mu_{20}\mu_{02}\mu_{21}\mu_{22}\mu_{45} \\
& -10\mu_{20}\mu_{02}\mu_{21}\mu_{13}\mu_{54} + 4\mu_{20}\mu_{02}\mu_{21}\mu_{04}\mu_{63} + 4\mu_{20}\mu_{02}\mu_{12}\mu_{40}\mu_{36} \\
& -10\mu_{20}\mu_{02}\mu_{12}\mu_{31}\mu_{45} + 6\mu_{20}\mu_{02}\mu_{12}\mu_{22}\mu_{54} + 2\mu_{20}\mu_{02}\mu_{12}\mu_{13}\mu_{63} \\
& -2\mu_{20}\mu_{02}\mu_{12}\mu_{04}\mu_{72} - 2\mu_{20}\mu_{02}\mu_{03}\mu_{40}\mu_{45} + 6\mu_{20}\mu_{02}\mu_{03}\mu_{31}\mu_{54} \\
& -6\mu_{20}\mu_{02}\mu_{03}\mu_{22}\mu_{63} + 2\mu_{20}\mu_{02}\mu_{03}\mu_{13}\mu_{72} + 4\mu_{11}^2\mu_{30}\mu_{31}\mu_{27} \\
& -12\mu_{11}^2\mu_{30}\mu_{22}\mu_{36} + 12\mu_{11}^2\mu_{30}\mu_{13}\mu_{45} - 4\mu_{11}^2\mu_{30}\mu_{04}\mu_{54} - 4\mu_{11}^2\mu_{21}\mu_{40}\mu_{27} \\
& +4\mu_{11}^2\mu_{21}\mu_{31}\mu_{36} + 12\mu_{11}^2\mu_{21}\mu_{22}\mu_{45} - 20\mu_{11}^2\mu_{21}\mu_{13}\mu_{54} + 8\mu_{11}^2\mu_{21}\mu_{04}\mu_{63} \\
& +8\mu_{11}^2\mu_{12}\mu_{40}\mu_{36} - 20\mu_{11}^2\mu_{12}\mu_{31}\mu_{45} + 12\mu_{11}^2\mu_{12}\mu_{22}\mu_{54} + 4\mu_{11}^2\mu_{12}\mu_{13}\mu_{63} \\
& -4\mu_{11}^2\mu_{12}\mu_{04}\mu_{72} - 4\mu_{11}^2\mu_{03}\mu_{40}\mu_{45} + 12\mu_{11}^2\mu_{03}\mu_{31}\mu_{54} - 12\mu_{11}^2\mu_{03}\mu_{22}\mu_{63} \\
& +4\mu_{11}^2\mu_{03}\mu_{13}\mu_{72} - 4\mu_{11}\mu_{02}\mu_{30}\mu_{31}\mu_{36} + 12\mu_{11}\mu_{02}\mu_{30}\mu_{22}\mu_{45} \\
& -12\mu_{11}\mu_{02}\mu_{30}\mu_{13}\mu_{54} + 4\mu_{11}\mu_{02}\mu_{30}\mu_{04}\mu_{63} + 4\mu_{11}\mu_{02}\mu_{21}\mu_{40}\mu_{36} \\
& -4\mu_{11}\mu_{02}\mu_{21}\mu_{31}\mu_{45} - 12\mu_{11}\mu_{02}\mu_{21}\mu_{22}\mu_{54} + 20\mu_{11}\mu_{02}\mu_{21}\mu_{13}\mu_{63} \\
& -8\mu_{11}\mu_{02}\mu_{21}\mu_{04}\mu_{72} - 8\mu_{11}\mu_{02}\mu_{12}\mu_{40}\mu_{45} + 20\mu_{11}\mu_{02}\mu_{12}\mu_{31}\mu_{54} \\
& -12\mu_{11}\mu_{02}\mu_{12}\mu_{22}\mu_{63} - 4\mu_{11}\mu_{02}\mu_{12}\mu_{13}\mu_{72} + 4\mu_{11}\mu_{02}\mu_{12}\mu_{04}\mu_{81} \\
& +4\mu_{11}\mu_{02}\mu_{03}\mu_{40}\mu_{54} - 12\mu_{11}\mu_{02}\mu_{03}\mu_{31}\mu_{63} + 12\mu_{11}\mu_{02}\mu_{03}\mu_{22}\mu_{72} \\
& -4\mu_{11}\mu_{02}\mu_{03}\mu_{13}\mu_{81} + \mu_{02}^2\mu_{30}\mu_{31}\mu_{45} - 3\mu_{02}^2\mu_{30}\mu_{22}\mu_{54} \\
& +3\mu_{02}^2\mu_{30}\mu_{13}\mu_{63} - \mu_{02}^2\mu_{30}\mu_{04}\mu_{72} - \mu_{02}^2\mu_{21}\mu_{40}\mu_{45} + \mu_{02}^2\mu_{21}\mu_{31}\mu_{54} \\
& +3\mu_{02}^2\mu_{21}\mu_{22}\mu_{63} - 5\mu_{02}^2\mu_{21}\mu_{13}\mu_{72} + 2\mu_{02}^2\mu_{21}\mu_{04}\mu_{81} + 2\mu_{02}^2\mu_{12}\mu_{40}\mu_{54} \\
& -5\mu_{02}^2\mu_{12}\mu_{31}\mu_{63} + 3\mu_{02}^2\mu_{12}\mu_{22}\mu_{72} + \mu_{02}^2\mu_{12}\mu_{13}\mu_{81} - \mu_{02}^2\mu_{12}\mu_{04}\mu_{90} \\
& -\mu_{02}^2\mu_{03}\mu_{40}\mu_{63} + 3\mu_{02}^2\mu_{03}\mu_{31}\mu_{72} - 3\mu_{02}^2\mu_{03}\mu_{22}\mu_{81} + \mu_{02}^2\mu_{03}\mu_{13}\mu_{90})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 2,1,1,0,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 5 |



**Simultaneous invariants of the orders 2, 4, 5 and 9**

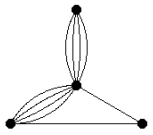
$$
\begin{aligned}
I_{347} \;=\; & (\mu_{20}\mu_{40}\mu_{41}\mu_{09} - 4\mu_{20}\mu_{40}\mu_{32}\mu_{18} + 6\mu_{20}\mu_{40}\mu_{23}\mu_{27} - 4\mu_{20}\mu_{40}\mu_{14}\mu_{36} \\
& +\mu_{20}\mu_{40}\mu_{05}\mu_{45} - 4\mu_{20}\mu_{31}\mu_{41}\mu_{18} + 16\mu_{20}\mu_{31}\mu_{32}\mu_{27} - 24\mu_{20}\mu_{31}\mu_{23}\mu_{36} \\
& +16\mu_{20}\mu_{31}\mu_{14}\mu_{45} - 4\mu_{20}\mu_{31}\mu_{05}\mu_{54} + 6\mu_{20}\mu_{22}\mu_{41}\mu_{27} - 24\mu_{20}\mu_{22}\mu_{32}\mu_{36} \\
& +36\mu_{20}\mu_{22}\mu_{23}\mu_{45} - 24\mu_{20}\mu_{22}\mu_{14}\mu_{54} + 6\mu_{20}\mu_{22}\mu_{05}\mu_{63} - 4\mu_{20}\mu_{13}\mu_{41}\mu_{36} \\
& +16\mu_{20}\mu_{13}\mu_{32}\mu_{45} - 24\mu_{20}\mu_{13}\mu_{23}\mu_{54} + 16\mu_{20}\mu_{13}\mu_{14}\mu_{63} - 4\mu_{20}\mu_{13}\mu_{05}\mu_{72} \\
& +\mu_{20}\mu_{04}\mu_{41}\mu_{45} - 4\mu_{20}\mu_{04}\mu_{32}\mu_{54} + 6\mu_{20}\mu_{04}\mu_{23}\mu_{63} - 4\mu_{20}\mu_{04}\mu_{14}\mu_{72} \\
& +\mu_{20}\mu_{04}\mu_{05}\mu_{81} - \mu_{11}\mu_{40}\mu_{50}\mu_{09} + 3\mu_{11}\mu_{40}\mu_{41}\mu_{18} - 2\mu_{11}\mu_{40}\mu_{32}\mu_{27} \\
& -2\mu_{11}\mu_{40}\mu_{23}\mu_{36} + 3\mu_{11}\mu_{40}\mu_{14}\mu_{45} - \mu_{11}\mu_{40}\mu_{05}\mu_{54} + 4\mu_{11}\mu_{31}\mu_{50}\mu_{18} \\
& -12\mu_{11}\mu_{31}\mu_{41}\mu_{27} + 8\mu_{11}\mu_{31}\mu_{32}\mu_{36} + 8\mu_{11}\mu_{31}\mu_{23}\mu_{45} - 12\mu_{11}\mu_{31}\mu_{14}\mu_{54} \\
& +4\mu_{11}\mu_{31}\mu_{05}\mu_{63} - 6\mu_{11}\mu_{22}\mu_{50}\mu_{27} + 18\mu_{11}\mu_{22}\mu_{41}\mu_{36} - 12\mu_{11}\mu_{22}\mu_{32}\mu_{45} \\
& -12\mu_{11}\mu_{22}\mu_{23}\mu_{54} + 18\mu_{11}\mu_{22}\mu_{14}\mu_{63} - 6\mu_{11}\mu_{22}\mu_{05}\mu_{72} + 4\mu_{11}\mu_{13}\mu_{50}\mu_{36} \\
& -12\mu_{11}\mu_{13}\mu_{41}\mu_{45} + 8\mu_{11}\mu_{13}\mu_{32}\mu_{54} + 8\mu_{11}\mu_{13}\mu_{23}\mu_{63} - 12\mu_{11}\mu_{13}\mu_{14}\mu_{72} \\
& +4\mu_{11}\mu_{13}\mu_{05}\mu_{81} - \mu_{11}\mu_{04}\mu_{50}\mu_{45} + 3\mu_{11}\mu_{04}\mu_{41}\mu_{54} - 2\mu_{11}\mu_{04}\mu_{32}\mu_{63} \\
& -2\mu_{11}\mu_{04}\mu_{23}\mu_{72} + 3\mu_{11}\mu_{04}\mu_{14}\mu_{81} - \mu_{11}\mu_{04}\mu_{05}\mu_{90} + \mu_{02}\mu_{40}\mu_{50}\mu_{18} \\
& -4\mu_{02}\mu_{40}\mu_{41}\mu_{27} + 6\mu_{02}\mu_{40}\mu_{32}\mu_{36} - 4\mu_{02}\mu_{40}\mu_{23}\mu_{45} + \mu_{02}\mu_{40}\mu_{14}\mu_{54} \\
& -4\mu_{02}\mu_{31}\mu_{50}\mu_{27} + 16\mu_{02}\mu_{31}\mu_{41}\mu_{36} - 24\mu_{02}\mu_{31}\mu_{32}\mu_{45} + 16\mu_{02}\mu_{31}\mu_{23}\mu_{54} \\
& -4\mu_{02}\mu_{31}\mu_{14}\mu_{63} + 6\mu_{02}\mu_{22}\mu_{50}\mu_{36} - 24\mu_{02}\mu_{22}\mu_{41}\mu_{45} + 36\mu_{02}\mu_{22}\mu_{32}\mu_{54} \\
& -24\mu_{02}\mu_{22}\mu_{23}\mu_{63} + 6\mu_{02}\mu_{22}\mu_{14}\mu_{72} - 4\mu_{02}\mu_{13}\mu_{50}\mu_{45} + 16\mu_{02}\mu_{13}\mu_{41}\mu_{54} \\
& -24\mu_{02}\mu_{13}\mu_{32}\mu_{63} + 16\mu_{02}\mu_{13}\mu_{23}\mu_{72} - 4\mu_{02}\mu_{13}\mu_{14}\mu_{81} + \mu_{02}\mu_{04}\mu_{50}\mu_{54} \\
& -4\mu_{02}\mu_{04}\mu_{41}\mu_{63} + 6\mu_{02}\mu_{04}\mu_{32}\mu_{72} - 4\mu_{02}\mu_{04}\mu_{23}\mu_{81} + \mu_{02}\mu_{04}\mu_{14}\mu_{90})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 1,0,1,1,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 |



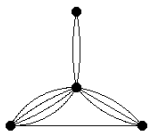
$$
\begin{aligned}
I_{348} \;=\; & (\mu_{20}\mu_{40}\mu_{41}\mu_{09} - 4\mu_{20}\mu_{40}\mu_{32}\mu_{18} + 6\mu_{20}\mu_{40}\mu_{23}\mu_{27} - 4\mu_{20}\mu_{40}\mu_{14}\mu_{36} \\
& + \mu_{20}\mu_{40}\mu_{05}\mu_{45} - \mu_{20}\mu_{31}\mu_{50}\mu_{09} + \mu_{20}\mu_{31}\mu_{41}\mu_{18} + 6\mu_{20}\mu_{31}\mu_{32}\mu_{27} \\
& - 14\mu_{20}\mu_{31}\mu_{23}\mu_{36} + 11\mu_{20}\mu_{31}\mu_{14}\mu_{45} - 3\mu_{20}\mu_{31}\mu_{05}\mu_{54} + 3\mu_{20}\mu_{22}\mu_{50}\mu_{18} \\
& - 9\mu_{20}\mu_{22}\mu_{41}\mu_{27} + 6\mu_{20}\mu_{22}\mu_{32}\mu_{36} + 6\mu_{20}\mu_{22}\mu_{23}\mu_{45} - 9\mu_{20}\mu_{22}\mu_{14}\mu_{54} \\
& + 3\mu_{20}\mu_{22}\mu_{05}\mu_{63} - 3\mu_{20}\mu_{13}\mu_{50}\mu_{27} + 11\mu_{20}\mu_{13}\mu_{41}\mu_{36} - 14\mu_{20}\mu_{13}\mu_{32}\mu_{45} \\
& + 6\mu_{20}\mu_{13}\mu_{23}\mu_{54} + \mu_{20}\mu_{13}\mu_{14}\mu_{63} - \mu_{20}\mu_{13}\mu_{05}\mu_{72} + \mu_{20}\mu_{04}\mu_{50}\mu_{36} \\
& - 4\mu_{20}\mu_{04}\mu_{41}\mu_{45} + 6\mu_{20}\mu_{04}\mu_{32}\mu_{54} - 4\mu_{20}\mu_{04}\mu_{23}\mu_{63} + \mu_{20}\mu_{04}\mu_{14}\mu_{72} \\
& - 2\mu_{11}\mu_{40}\mu_{41}\mu_{18} + 8\mu_{11}\mu_{40}\mu_{32}\mu_{27} - 12\mu_{11}\mu_{40}\mu_{23}\mu_{36} + 8\mu_{11}\mu_{40}\mu_{14}\mu_{45} \\
& - 2\mu_{11}\mu_{40}\mu_{05}\mu_{54} + 2\mu_{11}\mu_{31}\mu_{50}\mu_{18} - 2\mu_{11}\mu_{31}\mu_{41}\mu_{27} - 12\mu_{11}\mu_{31}\mu_{32}\mu_{36} \\
& + 28\mu_{11}\mu_{31}\mu_{23}\mu_{45} - 22\mu_{11}\mu_{31}\mu_{14}\mu_{54} + 6\mu_{11}\mu_{31}\mu_{05}\mu_{63} - 6\mu_{11}\mu_{22}\mu_{50}\mu_{27} \\
& + 18\mu_{11}\mu_{22}\mu_{41}\mu_{36} - 12\mu_{11}\mu_{22}\mu_{32}\mu_{45} - 12\mu_{11}\mu_{22}\mu_{23}\mu_{54} + 18\mu_{11}\mu_{22}\mu_{14}\mu_{63} \\
& - 6\mu_{11}\mu_{22}\mu_{05}\mu_{72} + 6\mu_{11}\mu_{13}\mu_{50}\mu_{36} - 22\mu_{11}\mu_{13}\mu_{41}\mu_{45} + 28\mu_{11}\mu_{13}\mu_{32}\mu_{54} \\
& - 12\mu_{11}\mu_{13}\mu_{23}\mu_{63} - 2\mu_{11}\mu_{13}\mu_{14}\mu_{72} + 2\mu_{11}\mu_{13}\mu_{05}\mu_{81} - 2\mu_{11}\mu_{04}\mu_{50}\mu_{45} \\
& + 8\mu_{11}\mu_{04}\mu_{41}\mu_{54} - 12\mu_{11}\mu_{04}\mu_{32}\mu_{63} + 8\mu_{11}\mu_{04}\mu_{23}\mu_{72} - 2\mu_{11}\mu_{04}\mu_{14}\mu_{81} \\
& + \mu_{02}\mu_{40}\mu_{41}\mu_{27} - 4\mu_{02}\mu_{40}\mu_{32}\mu_{36} + 6\mu_{02}\mu_{40}\mu_{23}\mu_{45} - 4\mu_{02}\mu_{40}\mu_{14}\mu_{54} \\
& + \mu_{02}\mu_{40}\mu_{05}\mu_{63} - \mu_{02}\mu_{31}\mu_{50}\mu_{27} + \mu_{02}\mu_{31}\mu_{41}\mu_{36} + 6\mu_{02}\mu_{31}\mu_{32}\mu_{45} \\
& - 14\mu_{02}\mu_{31}\mu_{23}\mu_{54} + 11\mu_{02}\mu_{31}\mu_{14}\mu_{63} - 3\mu_{02}\mu_{31}\mu_{05}\mu_{72} + 3\mu_{02}\mu_{22}\mu_{50}\mu_{36} \\
& - 9\mu_{02}\mu_{22}\mu_{41}\mu_{45} + 6\mu_{02}\mu_{22}\mu_{32}\mu_{54} + 6\mu_{02}\mu_{22}\mu_{23}\mu_{63} - 9\mu_{02}\mu_{22}\mu_{14}\mu_{72} \\
& + 3\mu_{02}\mu_{22}\mu_{05}\mu_{81} - 3\mu_{02}\mu_{13}\mu_{50}\mu_{45} + 11\mu_{02}\mu_{13}\mu_{41}\mu_{54} - 14\mu_{02}\mu_{13}\mu_{32}\mu_{63} \\
& + 6\mu_{02}\mu_{13}\mu_{23}\mu_{72} + \mu_{02}\mu_{13}\mu_{14}\mu_{81} - \mu_{02}\mu_{13}\mu_{05}\mu_{90} + \mu_{02}\mu_{04}\mu_{50}\mu_{54} \\
& - 4\mu_{02}\mu_{04}\mu_{41}\mu_{63} + 6\mu_{02}\mu_{04}\mu_{32}\mu_{72} - 4\mu_{02}\mu_{04}\mu_{23}\mu_{81} + \mu_{02}\mu_{04}\mu_{14}\mu_{90})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 1,0,1,1,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 4 |



**Simultaneous invariants of the orders 2, 3, 6 and 9**

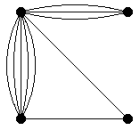
$$
\begin{aligned}
I_{349} \;=\; & (\mu_{20}\mu_{30}\mu_{51}\mu_{09} - 5\mu_{20}\mu_{30}\mu_{42}\mu_{18} + 10\mu_{20}\mu_{30}\mu_{33}\mu_{27} - 10\mu_{20}\mu_{30}\mu_{24}\mu_{36} \\
& +5\mu_{20}\mu_{30}\mu_{15}\mu_{45} - \mu_{20}\mu_{30}\mu_{06}\mu_{54} - 3\mu_{20}\mu_{21}\mu_{51}\mu_{18} + 15\mu_{20}\mu_{21}\mu_{42}\mu_{27} \\
& -30\mu_{20}\mu_{21}\mu_{33}\mu_{36} + 30\mu_{20}\mu_{21}\mu_{24}\mu_{45} - 15\mu_{20}\mu_{21}\mu_{15}\mu_{54} + 3\mu_{20}\mu_{21}\mu_{06}\mu_{63} \\
& +3\mu_{20}\mu_{12}\mu_{51}\mu_{27} - 15\mu_{20}\mu_{12}\mu_{42}\mu_{36} + 30\mu_{20}\mu_{12}\mu_{33}\mu_{45} - 30\mu_{20}\mu_{12}\mu_{24}\mu_{54} \\
& +15\mu_{20}\mu_{12}\mu_{15}\mu_{63} - 3\mu_{20}\mu_{12}\mu_{06}\mu_{72} - \mu_{20}\mu_{03}\mu_{51}\mu_{36} + 5\mu_{20}\mu_{03}\mu_{42}\mu_{45} \\
& -10\mu_{20}\mu_{03}\mu_{33}\mu_{54} + 10\mu_{20}\mu_{03}\mu_{24}\mu_{63} - 5\mu_{20}\mu_{03}\mu_{15}\mu_{72} + \mu_{20}\mu_{03}\mu_{06}\mu_{81} \\
& -\mu_{11}\mu_{30}\mu_{60}\mu_{09} + 4\mu_{11}\mu_{30}\mu_{51}\mu_{18} - 5\mu_{11}\mu_{30}\mu_{42}\mu_{27} + 5\mu_{11}\mu_{30}\mu_{24}\mu_{45} \\
& -4\mu_{11}\mu_{30}\mu_{15}\mu_{54} + \mu_{11}\mu_{30}\mu_{06}\mu_{63} + 3\mu_{11}\mu_{21}\mu_{60}\mu_{18} - 12\mu_{11}\mu_{21}\mu_{51}\mu_{27} \\
& +15\mu_{11}\mu_{21}\mu_{42}\mu_{36} - 15\mu_{11}\mu_{21}\mu_{24}\mu_{54} + 12\mu_{11}\mu_{21}\mu_{15}\mu_{63} - 3\mu_{11}\mu_{21}\mu_{06}\mu_{72} \\
& -3\mu_{11}\mu_{12}\mu_{60}\mu_{27} + 12\mu_{11}\mu_{12}\mu_{51}\mu_{36} - 15\mu_{11}\mu_{12}\mu_{42}\mu_{45} + 15\mu_{11}\mu_{12}\mu_{24}\mu_{63} \\
& -12\mu_{11}\mu_{12}\mu_{15}\mu_{72} + 3\mu_{11}\mu_{12}\mu_{06}\mu_{81} + \mu_{11}\mu_{03}\mu_{60}\mu_{36} - 4\mu_{11}\mu_{03}\mu_{51}\mu_{45} \\
& +5\mu_{11}\mu_{03}\mu_{42}\mu_{54} - 5\mu_{11}\mu_{03}\mu_{24}\mu_{72} + 4\mu_{11}\mu_{03}\mu_{15}\mu_{81} - \mu_{11}\mu_{03}\mu_{06}\mu_{90} \\
& +\mu_{02}\mu_{30}\mu_{60}\mu_{18} - 5\mu_{02}\mu_{30}\mu_{51}\mu_{27} + 10\mu_{02}\mu_{30}\mu_{42}\mu_{36} - 10\mu_{02}\mu_{30}\mu_{33}\mu_{45} \\
& +5\mu_{02}\mu_{30}\mu_{24}\mu_{54} - \mu_{02}\mu_{30}\mu_{15}\mu_{63} - 3\mu_{02}\mu_{21}\mu_{60}\mu_{27} + 15\mu_{02}\mu_{21}\mu_{51}\mu_{36} \\
& -30\mu_{02}\mu_{21}\mu_{42}\mu_{45} + 30\mu_{02}\mu_{21}\mu_{33}\mu_{54} - 15\mu_{02}\mu_{21}\mu_{24}\mu_{63} + 3\mu_{02}\mu_{21}\mu_{15}\mu_{72} \\
& +3\mu_{02}\mu_{12}\mu_{60}\mu_{36} - 15\mu_{02}\mu_{12}\mu_{51}\mu_{45} + 30\mu_{02}\mu_{12}\mu_{42}\mu_{54} - 30\mu_{02}\mu_{12}\mu_{33}\mu_{63} \\
& +15\mu_{02}\mu_{12}\mu_{24}\mu_{72} - 3\mu_{02}\mu_{12}\mu_{15}\mu_{81} - \mu_{02}\mu_{03}\mu_{60}\mu_{45} + 5\mu_{02}\mu_{03}\mu_{51}\mu_{54} \\
& -10\mu_{02}\mu_{03}\mu_{42}\mu_{63} + 10\mu_{02}\mu_{03}\mu_{33}\mu_{72} - 5\mu_{02}\mu_{03}\mu_{24}\mu_{81} + \mu_{02}\mu_{03}\mu_{15}\mu_{90})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 1,1,0,0,1,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 |



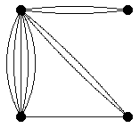
$$
\begin{aligned}
I_{350} \;=\; & (\mu_{20}\mu_{30}\mu_{51}\mu_{09} - 5\mu_{20}\mu_{30}\mu_{42}\mu_{18} + 10\mu_{20}\mu_{30}\mu_{33}\mu_{27} - 10\mu_{20}\mu_{30}\mu_{24}\mu_{36} \\
& +5\mu_{20}\mu_{30}\mu_{15}\mu_{45} - \mu_{20}\mu_{30}\mu_{06}\mu_{54} - \mu_{20}\mu_{21}\mu_{60}\mu_{09} + 3\mu_{20}\mu_{21}\mu_{51}\mu_{18} \\
& -10\mu_{20}\mu_{21}\mu_{33}\mu_{36} + 15\mu_{20}\mu_{21}\mu_{24}\mu_{45} - 9\mu_{20}\mu_{21}\mu_{15}\mu_{54} + 2\mu_{20}\mu_{21}\mu_{06}\mu_{63} \\
& +2\mu_{20}\mu_{12}\mu_{60}\mu_{18} - 9\mu_{20}\mu_{12}\mu_{51}\mu_{27} + 15\mu_{20}\mu_{12}\mu_{42}\mu_{36} - 10\mu_{20}\mu_{12}\mu_{33}\mu_{45} \\
& +3\mu_{20}\mu_{12}\mu_{15}\mu_{63} - \mu_{20}\mu_{12}\mu_{06}\mu_{72} - \mu_{20}\mu_{03}\mu_{60}\mu_{27} + 5\mu_{20}\mu_{03}\mu_{51}\mu_{36} \\
& -10\mu_{20}\mu_{03}\mu_{42}\mu_{45} + 10\mu_{20}\mu_{03}\mu_{33}\mu_{54} - 5\mu_{20}\mu_{03}\mu_{24}\mu_{63} + \mu_{20}\mu_{03}\mu_{15}\mu_{72} \\
& -2\mu_{11}\mu_{30}\mu_{51}\mu_{18} + 10\mu_{11}\mu_{30}\mu_{42}\mu_{27} - 20\mu_{11}\mu_{30}\mu_{33}\mu_{36} + 20\mu_{11}\mu_{30}\mu_{24}\mu_{45} \\
& -10\mu_{11}\mu_{30}\mu_{15}\mu_{54} + 2\mu_{11}\mu_{30}\mu_{06}\mu_{63} + 2\mu_{11}\mu_{21}\mu_{60}\mu_{18} - 6\mu_{11}\mu_{21}\mu_{51}\mu_{27} \\
& +20\mu_{11}\mu_{21}\mu_{33}\mu_{45} - 30\mu_{11}\mu_{21}\mu_{24}\mu_{54} + 18\mu_{11}\mu_{21}\mu_{15}\mu_{63} - 4\mu_{11}\mu_{21}\mu_{06}\mu_{72} \\
& -4\mu_{11}\mu_{12}\mu_{60}\mu_{27} + 18\mu_{11}\mu_{12}\mu_{51}\mu_{36} - 30\mu_{11}\mu_{12}\mu_{42}\mu_{45} + 20\mu_{11}\mu_{12}\mu_{33}\mu_{54} \\
& -6\mu_{11}\mu_{12}\mu_{15}\mu_{72} + 2\mu_{11}\mu_{12}\mu_{06}\mu_{81} + 2\mu_{11}\mu_{03}\mu_{60}\mu_{36} - 10\mu_{11}\mu_{03}\mu_{51}\mu_{45} \\
& +20\mu_{11}\mu_{03}\mu_{42}\mu_{54} - 20\mu_{11}\mu_{03}\mu_{33}\mu_{63} + 10\mu_{11}\mu_{03}\mu_{24}\mu_{72} - 2\mu_{11}\mu_{03}\mu_{15}\mu_{81} \\
& +\mu_{02}\mu_{30}\mu_{51}\mu_{27} - 5\mu_{02}\mu_{30}\mu_{42}\mu_{36} + 10\mu_{02}\mu_{30}\mu_{33}\mu_{45} - 10\mu_{02}\mu_{30}\mu_{24}\mu_{54} \\
& +5\mu_{02}\mu_{30}\mu_{15}\mu_{63} - \mu_{02}\mu_{30}\mu_{06}\mu_{72} - \mu_{02}\mu_{21}\mu_{60}\mu_{27} + 3\mu_{02}\mu_{21}\mu_{51}\mu_{36} \\
& -10\mu_{02}\mu_{21}\mu_{33}\mu_{54} + 15\mu_{02}\mu_{21}\mu_{24}\mu_{63} - 9\mu_{02}\mu_{21}\mu_{15}\mu_{72} + 2\mu_{02}\mu_{21}\mu_{06}\mu_{81} \\
& +2\mu_{02}\mu_{12}\mu_{60}\mu_{36} - 9\mu_{02}\mu_{12}\mu_{51}\mu_{45} + 15\mu_{02}\mu_{12}\mu_{42}\mu_{54} - 10\mu_{02}\mu_{12}\mu_{33}\mu_{63} \\
& +3\mu_{02}\mu_{12}\mu_{15}\mu_{81} - \mu_{02}\mu_{12}\mu_{06}\mu_{90} - \mu_{02}\mu_{03}\mu_{60}\mu_{45} + 5\mu_{02}\mu_{03}\mu_{51}\mu_{54} \\
& -10\mu_{02}\mu_{03}\mu_{42}\mu_{63} + 10\mu_{02}\mu_{03}\mu_{33}\mu_{72} - 5\mu_{02}\mu_{03}\mu_{24}\mu_{81} + \mu_{02}\mu_{03}\mu_{15}\mu_{90})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 1,1,0,0,1,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 2 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 4 |



**Homogeneous invariants of the order 10**

$$I_{351} = (\mu_{10,0}\mu_{0,10} - 10\mu_{91}\mu_{19} + 45\mu_{82}\mu_{28} - 120\mu_{73}\mu_{37} + 210\mu_{64}\mu_{46} - 126\mu_{55}^2)/\mu_{00}^{12}$$

weight=10

structure: 0,0,0,0,0,0,0,0,2

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

**Simultaneous invariants of the orders 2 and 10**

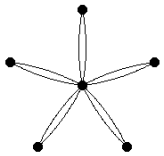
$$\begin{aligned} I_{352} \;=\; & (\mu_{20}^5\mu_{0,10} - 10\mu_{20}^4\mu_{11}\mu_{19} + 5\mu_{20}^4\mu_{02}\mu_{28} + 40\mu_{20}^3\mu_{11}^2\mu_{28} - 40\mu_{20}^3\mu_{11}\mu_{02}\mu_{37} \\ & +10\mu_{20}^3\mu_{02}^2\mu_{46} - 80\mu_{20}^2\mu_{11}^3\mu_{37} + 120\mu_{20}^2\mu_{11}^2\mu_{02}\mu_{46} - 60\mu_{20}^2\mu_{11}\mu_{02}^2\mu_{55} \\ & +10\mu_{20}^2\mu_{02}^3\mu_{64} + 80\mu_{20}\mu_{11}^4\mu_{46} - 160\mu_{20}\mu_{11}^3\mu_{02}\mu_{55} + 120\mu_{20}\mu_{11}^2\mu_{02}^2\mu_{64} \\ & -40\mu_{20}\mu_{11}\mu_{02}^3\mu_{73} + 5\mu_{20}\mu_{02}^4\mu_{82} - 32\mu_{11}^5\mu_{55} + 80\mu_{11}^4\mu_{02}\mu_{64} - 80\mu_{11}^3\mu_{02}^2\mu_{73} \\ & +40\mu_{11}^2\mu_{02}^3\mu_{82} - 10\mu_{11}\mu_{02}^4\mu_{91} + \mu_{02}^5\mu_{10,0})/\mu_{00}^{16} \end{aligned}$$

weight=10

structure: 5,0,0,0,0,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |



**Simultaneous invariants of the orders 5 and 10**

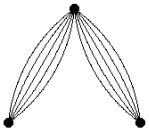
$$\begin{aligned} I_{353} \;=\; & (\mu_{50}^2\mu_{0,10} - 10\mu_{50}\mu_{41}\mu_{19} + 20\mu_{50}\mu_{32}\mu_{28} - 20\mu_{50}\mu_{23}\mu_{37} + 10\mu_{50}\mu_{14}\mu_{46} \\ & -2\mu_{50}\mu_{05}\mu_{55} + 25\mu_{41}^2\mu_{28} - 100\mu_{41}\mu_{32}\mu_{37} + 100\mu_{41}\mu_{23}\mu_{46} - 50\mu_{41}\mu_{14}\mu_{55} \\ & +10\mu_{41}\mu_{05}\mu_{64} + 100\mu_{32}^2\mu_{46} - 200\mu_{32}\mu_{23}\mu_{55} + 100\mu_{32}\mu_{14}\mu_{64} - 20\mu_{32}\mu_{05}\mu_{73} \\ & +100\mu_{23}^2\mu_{64} - 100\mu_{23}\mu_{14}\mu_{73} + 20\mu_{23}\mu_{05}\mu_{82} + 25\mu_{14}^2\mu_{82} - 10\mu_{14}\mu_{05}\mu_{91} \\ & +\mu_{05}^2\mu_{10,0})/\mu_{00}^{13} \end{aligned}$$

weight=10

structure: 0,0,0,2,0,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |



**Simultaneous invariants of the orders 2, 3 and 10**

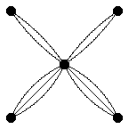
$$
\begin{aligned}
I_{354} \;=\; & (\mu_{20}^2\mu_{30}^2\mu_{0,10} - 6\mu_{20}^2\mu_{30}\mu_{21}\mu_{19} + 6\mu_{20}^2\mu_{30}\mu_{12}\mu_{28} - 2\mu_{20}^2\mu_{30}\mu_{03}\mu_{37} \\
& +9\mu_{20}^2\mu_{21}^2\mu_{28} - 18\mu_{20}^2\mu_{21}\mu_{12}\mu_{37} + 6\mu_{20}^2\mu_{21}\mu_{03}\mu_{46} + 9\mu_{20}^2\mu_{12}^2\mu_{46} \\
& -6\mu_{20}^2\mu_{12}\mu_{03}\mu_{55} + \mu_{20}^2\mu_{03}^2\mu_{64} - 4\mu_{20}\mu_{11}\mu_{30}^2\mu_{19} + 24\mu_{20}\mu_{11}\mu_{30}\mu_{21}\mu_{28} \\
& -24\mu_{20}\mu_{11}\mu_{30}\mu_{12}\mu_{37} + 8\mu_{20}\mu_{11}\mu_{30}\mu_{03}\mu_{46} - 36\mu_{20}\mu_{11}\mu_{21}^2\mu_{37} \\
& +72\mu_{20}\mu_{11}\mu_{21}\mu_{12}\mu_{46} - 24\mu_{20}\mu_{11}\mu_{21}\mu_{03}\mu_{55} - 36\mu_{20}\mu_{11}\mu_{12}^2\mu_{55} \\
& +24\mu_{20}\mu_{11}\mu_{12}\mu_{03}\mu_{64} - 4\mu_{20}\mu_{11}\mu_{03}^2\mu_{73} + 2\mu_{20}\mu_{02}\mu_{30}^2\mu_{28} \\
& -12\mu_{20}\mu_{02}\mu_{30}\mu_{21}\mu_{37} + 12\mu_{20}\mu_{02}\mu_{30}\mu_{12}\mu_{46} - 4\mu_{20}\mu_{02}\mu_{30}\mu_{03}\mu_{55} \\
& +18\mu_{20}\mu_{02}\mu_{21}^2\mu_{46} - 36\mu_{20}\mu_{02}\mu_{21}\mu_{12}\mu_{55} + 12\mu_{20}\mu_{02}\mu_{21}\mu_{03}\mu_{64} \\
& +18\mu_{20}\mu_{02}\mu_{12}^2\mu_{64} - 12\mu_{20}\mu_{02}\mu_{12}\mu_{03}\mu_{73} + 2\mu_{20}\mu_{02}\mu_{03}^2\mu_{82} + 4\mu_{11}^2\mu_{30}^2\mu_{28} \\
& -24\mu_{11}^2\mu_{30}\mu_{21}\mu_{37} + 24\mu_{11}^2\mu_{30}\mu_{12}\mu_{46} - 8\mu_{11}^2\mu_{30}\mu_{03}\mu_{55} + 36\mu_{11}^2\mu_{21}^2\mu_{46} \\
& -72\mu_{11}^2\mu_{21}\mu_{12}\mu_{55} + 24\mu_{11}^2\mu_{21}\mu_{03}\mu_{64} + 36\mu_{11}^2\mu_{12}^2\mu_{64} - 24\mu_{11}^2\mu_{12}\mu_{03}\mu_{73} \\
& +4\mu_{11}^2\mu_{03}^2\mu_{82} - 4\mu_{11}\mu_{02}\mu_{30}^2\mu_{37} + 24\mu_{11}\mu_{02}\mu_{30}\mu_{21}\mu_{46} \\
& -24\mu_{11}\mu_{02}\mu_{30}\mu_{12}\mu_{55} + 8\mu_{11}\mu_{02}\mu_{30}\mu_{03}\mu_{64} - 36\mu_{11}\mu_{02}\mu_{21}^2\mu_{55} \\
& +72\mu_{11}\mu_{02}\mu_{21}\mu_{12}\mu_{64} - 24\mu_{11}\mu_{02}\mu_{21}\mu_{03}\mu_{73} - 36\mu_{11}\mu_{02}\mu_{12}^2\mu_{73} \\
& +24\mu_{11}\mu_{02}\mu_{12}\mu_{03}\mu_{82} - 4\mu_{11}\mu_{02}\mu_{03}^2\mu_{91} + \mu_{02}^2\mu_{30}^2\mu_{46} - 6\mu_{02}^2\mu_{30}\mu_{21}\mu_{55} \\
& +6\mu_{02}^2\mu_{30}\mu_{12}\mu_{64} - 2\mu_{02}^2\mu_{30}\mu_{03}\mu_{73} + 9\mu_{02}^2\mu_{21}^2\mu_{64} - 18\mu_{02}^2\mu_{21}\mu_{12}\mu_{73} \\
& +6\mu_{02}^2\mu_{21}\mu_{03}\mu_{82} + 9\mu_{02}^2\mu_{12}^2\mu_{82} - 6\mu_{02}^2\mu_{12}\mu_{03}\mu_{91} + \mu_{02}^2\mu_{03}^2\mu_{10,0})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 2,2,0,0,0,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 |



**Simultaneous invariants of the orders 2, 4 and 10**

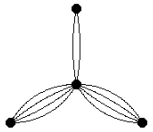
$$
\begin{aligned}
I_{355} \;=\; & (\mu_{20}\mu_{40}^2\mu_{0,10} - 8\mu_{20}\mu_{40}\mu_{31}\mu_{19} + 12\mu_{20}\mu_{40}\mu_{22}\mu_{28} - 8\mu_{20}\mu_{40}\mu_{13}\mu_{37} \\
& +2\mu_{20}\mu_{40}\mu_{04}\mu_{46} + 16\mu_{20}\mu_{31}^2\mu_{28} - 48\mu_{20}\mu_{31}\mu_{22}\mu_{37} + 32\mu_{20}\mu_{31}\mu_{13}\mu_{46} \\
& -8\mu_{20}\mu_{31}\mu_{04}\mu_{55} + 36\mu_{20}\mu_{22}^2\mu_{46} - 48\mu_{20}\mu_{22}\mu_{13}\mu_{55} + 12\mu_{20}\mu_{22}\mu_{04}\mu_{64} \\
& +16\mu_{20}\mu_{13}^2\mu_{64} - 8\mu_{20}\mu_{13}\mu_{04}\mu_{73} + \mu_{20}\mu_{04}^2\mu_{82} - 2\mu_{11}\mu_{40}^2\mu_{19} \\
& +16\mu_{11}\mu_{40}\mu_{31}\mu_{28} - 24\mu_{11}\mu_{40}\mu_{22}\mu_{37} + 16\mu_{11}\mu_{40}\mu_{13}\mu_{46} - 4\mu_{11}\mu_{40}\mu_{04}\mu_{55} \\
& -32\mu_{11}\mu_{31}^2\mu_{37} + 96\mu_{11}\mu_{31}\mu_{22}\mu_{46} - 64\mu_{11}\mu_{31}\mu_{13}\mu_{55} + 16\mu_{11}\mu_{31}\mu_{04}\mu_{64} \\
& -72\mu_{11}\mu_{22}^2\mu_{55} + 96\mu_{11}\mu_{22}\mu_{13}\mu_{64} - 24\mu_{11}\mu_{22}\mu_{04}\mu_{73} - 32\mu_{11}\mu_{13}^2\mu_{73} \\
& +16\mu_{11}\mu_{13}\mu_{04}\mu_{82} - 2\mu_{11}\mu_{04}^2\mu_{91} + \mu_{02}\mu_{40}^2\mu_{28} - 8\mu_{02}\mu_{40}\mu_{31}\mu_{37} \\
& +12\mu_{02}\mu_{40}\mu_{22}\mu_{46} - 8\mu_{02}\mu_{40}\mu_{13}\mu_{55} + 2\mu_{02}\mu_{40}\mu_{04}\mu_{64} + 16\mu_{02}\mu_{31}^2\mu_{46} \\
& -48\mu_{02}\mu_{31}\mu_{22}\mu_{55} + 32\mu_{02}\mu_{31}\mu_{13}\mu_{64} - 8\mu_{02}\mu_{31}\mu_{04}\mu_{73} + 36\mu_{02}\mu_{22}^2\mu_{64} \\
& -48\mu_{02}\mu_{22}\mu_{13}\mu_{73} + 12\mu_{02}\mu_{22}\mu_{04}\mu_{82} + 16\mu_{02}\mu_{13}^2\mu_{82} - 8\mu_{02}\mu_{13}\mu_{04}\mu_{91} \\
& +\mu_{02}\mu_{04}^2\mu_{10,0})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 1,0,2,0,0,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 |



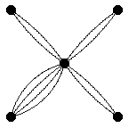
$$
\begin{aligned}
I_{356} \;=\; & (\mu_{20}^3\mu_{40}\mu_{0,10} - 4\mu_{20}^3\mu_{31}\mu_{19} + 6\mu_{20}^3\mu_{22}\mu_{28} - 4\mu_{20}^3\mu_{13}\mu_{37} + \mu_{20}^3\mu_{04}\mu_{46} \\
& -6\mu_{20}^2\mu_{11}\mu_{40}\mu_{19} + 24\mu_{20}^2\mu_{11}\mu_{31}\mu_{28} - 36\mu_{20}^2\mu_{11}\mu_{22}\mu_{37} + 24\mu_{20}^2\mu_{11}\mu_{13}\mu_{46} \\
& -6\mu_{20}^2\mu_{11}\mu_{04}\mu_{55} + 3\mu_{20}^2\mu_{02}\mu_{40}\mu_{28} - 12\mu_{20}^2\mu_{02}\mu_{31}\mu_{37} + 18\mu_{20}^2\mu_{02}\mu_{22}\mu_{46} \\
& -12\mu_{20}^2\mu_{02}\mu_{13}\mu_{55} + 3\mu_{20}^2\mu_{02}\mu_{04}\mu_{64} + 12\mu_{20}\mu_{11}^2\mu_{40}\mu_{28} - 48\mu_{20}\mu_{11}^2\mu_{31}\mu_{37} \\
& +72\mu_{20}\mu_{11}^2\mu_{22}\mu_{46} - 48\mu_{20}\mu_{11}^2\mu_{13}\mu_{55} + 12\mu_{20}\mu_{11}^2\mu_{04}\mu_{64} \\
& -12\mu_{20}\mu_{11}\mu_{02}\mu_{40}\mu_{37} + 48\mu_{20}\mu_{11}\mu_{02}\mu_{31}\mu_{46} - 72\mu_{20}\mu_{11}\mu_{02}\mu_{22}\mu_{55} \\
& +48\mu_{20}\mu_{11}\mu_{02}\mu_{13}\mu_{64} - 12\mu_{20}\mu_{11}\mu_{02}\mu_{04}\mu_{73} + 3\mu_{20}\mu_{02}^2\mu_{40}\mu_{46} \\
& -12\mu_{20}\mu_{02}^2\mu_{31}\mu_{55} + 18\mu_{20}\mu_{02}^2\mu_{22}\mu_{64} - 12\mu_{20}\mu_{02}^2\mu_{13}\mu_{73} + 3\mu_{20}\mu_{02}^2\mu_{04}\mu_{82} \\
& -8\mu_{11}^3\mu_{40}\mu_{37} + 32\mu_{11}^3\mu_{31}\mu_{46} - 48\mu_{11}^3\mu_{22}\mu_{55} + 32\mu_{11}^3\mu_{13}\mu_{64} - 8\mu_{11}^3\mu_{04}\mu_{73} \\
& +12\mu_{11}^2\mu_{02}\mu_{40}\mu_{46} - 48\mu_{11}^2\mu_{02}\mu_{31}\mu_{55} + 72\mu_{11}^2\mu_{02}\mu_{22}\mu_{64} - 48\mu_{11}^2\mu_{02}\mu_{13}\mu_{73} \\
& +12\mu_{11}^2\mu_{02}\mu_{04}\mu_{82} - 6\mu_{11}\mu_{02}^2\mu_{40}\mu_{55} + 24\mu_{11}\mu_{02}^2\mu_{31}\mu_{64} - 36\mu_{11}\mu_{02}^2\mu_{22}\mu_{73} \\
& +24\mu_{11}\mu_{02}^2\mu_{13}\mu_{82} - 6\mu_{11}\mu_{02}^2\mu_{04}\mu_{91} + \mu_{02}^3\mu_{40}\mu_{64} - 4\mu_{02}^3\mu_{31}\mu_{73} \\
& +6\mu_{02}^3\mu_{22}\mu_{82} - 4\mu_{02}^3\mu_{13}\mu_{91} + \mu_{02}^3\mu_{04}\mu_{10,0})/\mu_{00}^{15}
\end{aligned}
$$

weight=10

structure: 3,0,1,0,0,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 |



**Simultaneous invariants of the orders 3, 4 and 10**

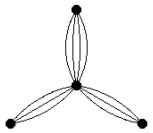
$$
\begin{aligned}
I_{357} \;=\; & (\mu_{30}^2\mu_{40}\mu_{0,10} - 4\mu_{30}^2\mu_{31}\mu_{19} + 6\mu_{30}^2\mu_{22}\mu_{28} - 4\mu_{30}^2\mu_{13}\mu_{37} + \mu_{30}^2\mu_{04}\mu_{46} \\
& -6\mu_{30}\mu_{21}\mu_{40}\mu_{19} + 24\mu_{30}\mu_{21}\mu_{31}\mu_{28} - 36\mu_{30}\mu_{21}\mu_{22}\mu_{37} + 24\mu_{30}\mu_{21}\mu_{13}\mu_{46} \\
& -6\mu_{30}\mu_{21}\mu_{04}\mu_{55} + 6\mu_{30}\mu_{12}\mu_{40}\mu_{28} - 24\mu_{30}\mu_{12}\mu_{31}\mu_{37} + 36\mu_{30}\mu_{12}\mu_{22}\mu_{46} \\
& -24\mu_{30}\mu_{12}\mu_{13}\mu_{55} + 6\mu_{30}\mu_{12}\mu_{04}\mu_{64} - 2\mu_{30}\mu_{03}\mu_{40}\mu_{37} + 8\mu_{30}\mu_{03}\mu_{31}\mu_{46} \\
& -12\mu_{30}\mu_{03}\mu_{22}\mu_{55} + 8\mu_{30}\mu_{03}\mu_{13}\mu_{64} - 2\mu_{30}\mu_{03}\mu_{04}\mu_{73} + 9\mu_{21}^2\mu_{40}\mu_{28} \\
& -36\mu_{21}^2\mu_{31}\mu_{37} + 54\mu_{21}^2\mu_{22}\mu_{46} - 36\mu_{21}^2\mu_{13}\mu_{55} + 9\mu_{21}^2\mu_{04}\mu_{64} - 18\mu_{21}\mu_{12}\mu_{40}\mu_{37} \\
& +72\mu_{21}\mu_{12}\mu_{31}\mu_{46} - 108\mu_{21}\mu_{12}\mu_{22}\mu_{55} + 72\mu_{21}\mu_{12}\mu_{13}\mu_{64} - 18\mu_{21}\mu_{12}\mu_{04}\mu_{73} \\
& +6\mu_{21}\mu_{03}\mu_{40}\mu_{46} - 24\mu_{21}\mu_{03}\mu_{31}\mu_{55} + 36\mu_{21}\mu_{03}\mu_{22}\mu_{64} - 24\mu_{21}\mu_{03}\mu_{13}\mu_{73} \\
& +6\mu_{21}\mu_{03}\mu_{04}\mu_{82} + 9\mu_{12}^2\mu_{40}\mu_{46} - 36\mu_{12}^2\mu_{31}\mu_{55} + 54\mu_{12}^2\mu_{22}\mu_{64} - 36\mu_{12}^2\mu_{13}\mu_{73} \\
& +9\mu_{12}^2\mu_{04}\mu_{82} - 6\mu_{12}\mu_{03}\mu_{40}\mu_{55} + 24\mu_{12}\mu_{03}\mu_{31}\mu_{64} - 36\mu_{12}\mu_{03}\mu_{22}\mu_{73} \\
& +24\mu_{12}\mu_{03}\mu_{13}\mu_{82} - 6\mu_{12}\mu_{03}\mu_{04}\mu_{91} + \mu_{03}^2\mu_{40}\mu_{64} - 4\mu_{03}^2\mu_{31}\mu_{73} \\
& +6\mu_{03}^2\mu_{22}\mu_{82} - 4\mu_{03}^2\mu_{13}\mu_{91} + \mu_{03}^2\mu_{04}\mu_{10,0})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 0,2,1,0,0,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 |



**Simultaneous invariants of the orders 2, 6 and 10**

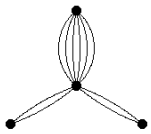
$$
\begin{aligned}
I_{358} \;=\; & (\mu_{20}^2\mu_{60}\mu_{0,10} - 6\mu_{20}^2\mu_{51}\mu_{19} + 15\mu_{20}^2\mu_{42}\mu_{28} - 20\mu_{20}^2\mu_{33}\mu_{37} + 15\mu_{20}^2\mu_{24}\mu_{46} \\
& -6\mu_{20}^2\mu_{15}\mu_{55} + \mu_{20}^2\mu_{06}\mu_{64} - 4\mu_{20}\mu_{11}\mu_{60}\mu_{19} + 24\mu_{20}\mu_{11}\mu_{51}\mu_{28} \\
& -60\mu_{20}\mu_{11}\mu_{42}\mu_{37} + 80\mu_{20}\mu_{11}\mu_{33}\mu_{46} - 60\mu_{20}\mu_{11}\mu_{24}\mu_{55} + 24\mu_{20}\mu_{11}\mu_{15}\mu_{64} \\
& -4\mu_{20}\mu_{11}\mu_{06}\mu_{73} + 2\mu_{20}\mu_{02}\mu_{60}\mu_{28} - 12\mu_{20}\mu_{02}\mu_{51}\mu_{37} + 30\mu_{20}\mu_{02}\mu_{42}\mu_{46} \\
& -40\mu_{20}\mu_{02}\mu_{33}\mu_{55} + 30\mu_{20}\mu_{02}\mu_{24}\mu_{64} - 12\mu_{20}\mu_{02}\mu_{15}\mu_{73} + 2\mu_{20}\mu_{02}\mu_{06}\mu_{82} \\
& +4\mu_{11}^2\mu_{60}\mu_{28} - 24\mu_{11}^2\mu_{51}\mu_{37} + 60\mu_{11}^2\mu_{42}\mu_{46} - 80\mu_{11}^2\mu_{33}\mu_{55} + 60\mu_{11}^2\mu_{24}\mu_{64} \\
& -24\mu_{11}^2\mu_{15}\mu_{73} + 4\mu_{11}^2\mu_{06}\mu_{82} - 4\mu_{11}\mu_{02}\mu_{60}\mu_{37} + 24\mu_{11}\mu_{02}\mu_{51}\mu_{46} \\
& -60\mu_{11}\mu_{02}\mu_{42}\mu_{55} + 80\mu_{11}\mu_{02}\mu_{33}\mu_{64} - 60\mu_{11}\mu_{02}\mu_{24}\mu_{73} + 24\mu_{11}\mu_{02}\mu_{15}\mu_{82} \\
& -4\mu_{11}\mu_{02}\mu_{06}\mu_{91} + \mu_{02}^2\mu_{60}\mu_{46} - 6\mu_{02}^2\mu_{51}\mu_{55} + 15\mu_{02}^2\mu_{42}\mu_{64} - 20\mu_{02}^2\mu_{33}\mu_{73} \\
& +15\mu_{02}^2\mu_{24}\mu_{82} - 6\mu_{02}^2\mu_{15}\mu_{91} + \mu_{02}^2\mu_{06}\mu_{10,0})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 2,0,0,0,1,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 |



**Simultaneous invariants of the orders 4, 6 and 10**

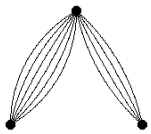
$$\begin{aligned} I_{359} \;=\; & (\mu_{40}\mu_{60}\mu_{0,10} - 6\mu_{40}\mu_{51}\mu_{19} + 15\mu_{40}\mu_{42}\mu_{28} - 20\mu_{40}\mu_{33}\mu_{37} + 15\mu_{40}\mu_{24}\mu_{46} \\ & -6\mu_{40}\mu_{15}\mu_{55} + \mu_{40}\mu_{06}\mu_{64} - 4\mu_{31}\mu_{60}\mu_{19} + 24\mu_{31}\mu_{51}\mu_{28} - 60\mu_{31}\mu_{42}\mu_{37} \\ & +80\mu_{31}\mu_{33}\mu_{46} - 60\mu_{31}\mu_{24}\mu_{55} + 24\mu_{31}\mu_{15}\mu_{64} - 4\mu_{31}\mu_{06}\mu_{73} + 6\mu_{22}\mu_{60}\mu_{28} \\ & -36\mu_{22}\mu_{51}\mu_{37} + 90\mu_{22}\mu_{42}\mu_{46} - 120\mu_{22}\mu_{33}\mu_{55} + 90\mu_{22}\mu_{24}\mu_{64} - 36\mu_{22}\mu_{15}\mu_{73} \\ & +6\mu_{22}\mu_{06}\mu_{82} - 4\mu_{13}\mu_{60}\mu_{37} + 24\mu_{13}\mu_{51}\mu_{46} - 60\mu_{13}\mu_{42}\mu_{55} + 80\mu_{13}\mu_{33}\mu_{64} \\ & -60\mu_{13}\mu_{24}\mu_{73} + 24\mu_{13}\mu_{15}\mu_{82} - 4\mu_{13}\mu_{06}\mu_{91} + \mu_{04}\mu_{60}\mu_{46} - 6\mu_{04}\mu_{51}\mu_{55} \\ & +15\mu_{04}\mu_{42}\mu_{64} - 20\mu_{04}\mu_{33}\mu_{73} + 15\mu_{04}\mu_{24}\mu_{82} - 6\mu_{04}\mu_{15}\mu_{91} + \mu_{04}\mu_{06}\mu_{10,0})/\mu_{00}^{13} \end{aligned}$$

weight=10

structure: 0,0,1,0,1,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |



**Simultaneous invariants of the orders 3, 7 and 10**

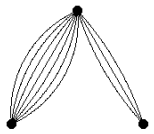
$$\begin{aligned} I_{360} \;=\; & (\mu_{30}\mu_{70}\mu_{0,10} - 7\mu_{30}\mu_{61}\mu_{19} + 21\mu_{30}\mu_{52}\mu_{28} - 35\mu_{30}\mu_{43}\mu_{37} + 35\mu_{30}\mu_{34}\mu_{46} \\ & -21\mu_{30}\mu_{25}\mu_{55} + 7\mu_{30}\mu_{16}\mu_{64} - \mu_{30}\mu_{07}\mu_{73} - 3\mu_{21}\mu_{70}\mu_{19} + 21\mu_{21}\mu_{61}\mu_{28} \\ & -63\mu_{21}\mu_{52}\mu_{37} + 105\mu_{21}\mu_{43}\mu_{46} - 105\mu_{21}\mu_{34}\mu_{55} + 63\mu_{21}\mu_{25}\mu_{64} - 21\mu_{21}\mu_{16}\mu_{73} \\ & +3\mu_{21}\mu_{07}\mu_{82} + 3\mu_{12}\mu_{70}\mu_{28} - 21\mu_{12}\mu_{61}\mu_{37} + 63\mu_{12}\mu_{52}\mu_{46} - 105\mu_{12}\mu_{43}\mu_{55} \\ & +105\mu_{12}\mu_{34}\mu_{64} - 63\mu_{12}\mu_{25}\mu_{73} + 21\mu_{12}\mu_{16}\mu_{82} - 3\mu_{12}\mu_{07}\mu_{91} - \mu_{03}\mu_{70}\mu_{37} \\ & +7\mu_{03}\mu_{61}\mu_{46} - 21\mu_{03}\mu_{52}\mu_{55} + 35\mu_{03}\mu_{43}\mu_{64} - 35\mu_{03}\mu_{34}\mu_{73} + 21\mu_{03}\mu_{25}\mu_{82} \\ & -7\mu_{03}\mu_{16}\mu_{91} + \mu_{03}\mu_{07}\mu_{10,0})/\mu_{00}^{13} \end{aligned}$$

weight=10

structure: 0,1,0,0,0,1,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |



**Simultaneous invariants of the orders 2, 8 and 10**

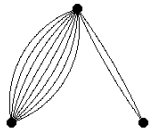
$$\begin{aligned} I_{361} \;=\; & (\mu_{20}\mu_{80}\mu_{0,10} - 8\mu_{20}\mu_{71}\mu_{19} + 28\mu_{20}\mu_{62}\mu_{28} - 56\mu_{20}\mu_{53}\mu_{37} + 70\mu_{20}\mu_{44}\mu_{46} \\ & -56\mu_{20}\mu_{35}\mu_{55} + 28\mu_{20}\mu_{26}\mu_{64} - 8\mu_{20}\mu_{17}\mu_{73} + \mu_{20}\mu_{08}\mu_{82} - 2\mu_{11}\mu_{80}\mu_{19} \\ & +16\mu_{11}\mu_{71}\mu_{28} - 56\mu_{11}\mu_{62}\mu_{37} + 112\mu_{11}\mu_{53}\mu_{46} - 140\mu_{11}\mu_{44}\mu_{55} + 112\mu_{11}\mu_{35}\mu_{64} \\ & -56\mu_{11}\mu_{26}\mu_{73} + 16\mu_{11}\mu_{17}\mu_{82} - 2\mu_{11}\mu_{08}\mu_{91} + \mu_{02}\mu_{80}\mu_{28} - 8\mu_{02}\mu_{71}\mu_{37} \\ & +28\mu_{02}\mu_{62}\mu_{46} - 56\mu_{02}\mu_{53}\mu_{55} + 70\mu_{02}\mu_{44}\mu_{64} - 56\mu_{02}\mu_{35}\mu_{73} + 28\mu_{02}\mu_{26}\mu_{82} \\ & -8\mu_{02}\mu_{17}\mu_{91} + \mu_{02}\mu_{08}\mu_{10,0})/\mu_{00}^{13} \end{aligned}$$

weight=10

structure: 1,0,0,0,0,0,1,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |



**Simultaneous invariants of the orders 2, 3, 5 and 10**

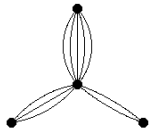
$$
\begin{aligned}
I_{362} \;=\; & (\mu_{20}\mu_{30}\mu_{50}\mu_{0,10} - 5\mu_{20}\mu_{30}\mu_{41}\mu_{19} + 10\mu_{20}\mu_{30}\mu_{32}\mu_{28} - 10\mu_{20}\mu_{30}\mu_{23}\mu_{37} \\
& +5\mu_{20}\mu_{30}\mu_{14}\mu_{46} - \mu_{20}\mu_{30}\mu_{05}\mu_{55} - 3\mu_{20}\mu_{21}\mu_{50}\mu_{19} + 15\mu_{20}\mu_{21}\mu_{41}\mu_{28} \\
& -30\mu_{20}\mu_{21}\mu_{32}\mu_{37} + 30\mu_{20}\mu_{21}\mu_{23}\mu_{46} - 15\mu_{20}\mu_{21}\mu_{14}\mu_{55} + 3\mu_{20}\mu_{21}\mu_{05}\mu_{64} \\
& +3\mu_{20}\mu_{12}\mu_{50}\mu_{28} - 15\mu_{20}\mu_{12}\mu_{41}\mu_{37} + 30\mu_{20}\mu_{12}\mu_{32}\mu_{46} - 30\mu_{20}\mu_{12}\mu_{23}\mu_{55} \\
& +15\mu_{20}\mu_{12}\mu_{14}\mu_{64} - 3\mu_{20}\mu_{12}\mu_{05}\mu_{73} - \mu_{20}\mu_{03}\mu_{50}\mu_{37} + 5\mu_{20}\mu_{03}\mu_{41}\mu_{46} \\
& -10\mu_{20}\mu_{03}\mu_{32}\mu_{55} + 10\mu_{20}\mu_{03}\mu_{23}\mu_{64} - 5\mu_{20}\mu_{03}\mu_{14}\mu_{73} + \mu_{20}\mu_{03}\mu_{05}\mu_{82} \\
& -2\mu_{11}\mu_{30}\mu_{50}\mu_{19} + 10\mu_{11}\mu_{30}\mu_{41}\mu_{28} - 20\mu_{11}\mu_{30}\mu_{32}\mu_{37} + 20\mu_{11}\mu_{30}\mu_{23}\mu_{46} \\
& -10\mu_{11}\mu_{30}\mu_{14}\mu_{55} + 2\mu_{11}\mu_{30}\mu_{05}\mu_{64} + 6\mu_{11}\mu_{21}\mu_{50}\mu_{28} - 30\mu_{11}\mu_{21}\mu_{41}\mu_{37} \\
& +60\mu_{11}\mu_{21}\mu_{32}\mu_{46} - 60\mu_{11}\mu_{21}\mu_{23}\mu_{55} + 30\mu_{11}\mu_{21}\mu_{14}\mu_{64} - 6\mu_{11}\mu_{21}\mu_{05}\mu_{73} \\
& -6\mu_{11}\mu_{12}\mu_{50}\mu_{37} + 30\mu_{11}\mu_{12}\mu_{41}\mu_{46} - 60\mu_{11}\mu_{12}\mu_{32}\mu_{55} + 60\mu_{11}\mu_{12}\mu_{23}\mu_{64} \\
& -30\mu_{11}\mu_{12}\mu_{14}\mu_{73} + 6\mu_{11}\mu_{12}\mu_{05}\mu_{82} + 2\mu_{11}\mu_{03}\mu_{50}\mu_{46} - 10\mu_{11}\mu_{03}\mu_{41}\mu_{55} \\
& +20\mu_{11}\mu_{03}\mu_{32}\mu_{64} - 20\mu_{11}\mu_{03}\mu_{23}\mu_{73} + 10\mu_{11}\mu_{03}\mu_{14}\mu_{82} - 2\mu_{11}\mu_{03}\mu_{05}\mu_{91} \\
& +\mu_{02}\mu_{30}\mu_{50}\mu_{28} - 5\mu_{02}\mu_{30}\mu_{41}\mu_{37} + 10\mu_{02}\mu_{30}\mu_{32}\mu_{46} - 10\mu_{02}\mu_{30}\mu_{23}\mu_{55} \\
& +5\mu_{02}\mu_{30}\mu_{14}\mu_{64} - \mu_{02}\mu_{30}\mu_{05}\mu_{73} - 3\mu_{02}\mu_{21}\mu_{50}\mu_{37} + 15\mu_{02}\mu_{21}\mu_{41}\mu_{46} \\
& -30\mu_{02}\mu_{21}\mu_{32}\mu_{55} + 30\mu_{02}\mu_{21}\mu_{23}\mu_{64} - 15\mu_{02}\mu_{21}\mu_{14}\mu_{73} + 3\mu_{02}\mu_{21}\mu_{05}\mu_{82} \\
& +3\mu_{02}\mu_{12}\mu_{50}\mu_{46} - 15\mu_{02}\mu_{12}\mu_{41}\mu_{55} + 30\mu_{02}\mu_{12}\mu_{32}\mu_{64} - 30\mu_{02}\mu_{12}\mu_{23}\mu_{73} \\
& +15\mu_{02}\mu_{12}\mu_{14}\mu_{82} - 3\mu_{02}\mu_{12}\mu_{05}\mu_{91} - \mu_{02}\mu_{03}\mu_{50}\mu_{55} + 5\mu_{02}\mu_{03}\mu_{41}\mu_{64} \\
& -10\mu_{02}\mu_{03}\mu_{32}\mu_{73} + 10\mu_{02}\mu_{03}\mu_{23}\mu_{82} - 5\mu_{02}\mu_{03}\mu_{14}\mu_{91} + \mu_{02}\mu_{03}\mu_{05}\mu_{10,0})/\mu_{00}^{14}
\end{aligned}
$$

weight=10

structure: 1,1,0,1,0,0,0,0,1

Generating graph:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 |



**Dependencies**

weight=18, dependency no.1

structure: 6,8

$$-4I_1^3I_2^2 + 12I_1^2I_2I_3^2 - 12I_1I_3^4 - I_2I_4^2 + 4I_3^3I_4 - I_5^2 = 0$$

weight=18, dependency no.2

structure: 6,0,6

$$-16I_1^3I_7^2 - 8I_1^2I_6I_7I_8 - I_1I_6^2I_8^2 + 4I_1I_6I_9^2 + 12I_1I_7I_8I_9 + I_6I_8^2I_9 \\ -I_7I_8^3 - 4I_9^3 - I_{10}^2 = 0$$

weight=12, dependency no.3

structure: 2,4,2

$$-I_1I_2I_6 - 4I_1I_{13} - 3I_2I_9 + 3I_3^2I_6 + 6I_3I_{20} - 3I_8I_{11} + 3I_{16}^2 = 0$$

weight=14, dependency no.4

structure: 4,4,2

$$-2I_1I_3^2I_6 - 2I_1I_3I_{20} - 2I_1I_3I_{21} - 2I_1I_{15}I_{16} + I_3I_4I_6 + I_3I_8I_{15} \\ +I_4I_{20} + I_4I_{21} + I_{15}I_{22} - I_{17}I_{18} + I_{18}^2 = 0$$

weight=14, dependency no.5

structure: 4,4,2

$$-2I_1I_3I_{19} + 4I_1I_3I_{20} - I_1I_{15}^2 - 2I_1I_{15}I_{16} + I_3I_8I_{15} + I_4I_{19} - 2I_4I_{20} \\ +I_{15}I_{22} - I_{17}^2 + I_{17}I_{18} = 0$$

weight=14, dependency no.6

structure: 4,4,2

$$-4I_1I_2I_9 + 4I_1I_{16}^2 + I_2I_8^2 + 4I_3^2I_9 - 4I_3I_8I_{16} + I_{18}^2 = 0$$

weight=14, dependency no.7

structure: 2,4,3

$$-3I_1I_2I_7 - I_2I_6I_8 + 3I_3^2I_7 + 3I_3I_6I_{16} - I_8I_{13} - 3I_9I_{11} + 3I_{16}I_{20} \\ = 0$$

weight=14, dependency no.8

structure: 3,6,1

$$-I_1I_2I_{15} - I_1I_2I_{16} + 2I_1I_3I_{11} + I_2I_{22} + I_3^2I_{15} + I_3^2I_{16} - 2I_3I_{32} \\ -I_4I_{11} = 0$$

weight=14, dependency no.9

structure: 4,4,2

$$-2I_1I_3^2I_6 - 8I_1I_3I_{19} + 2I_1I_3I_{20} - 6I_1I_{15}I_{16} + 4I_3^2I_9 - I_3I_4I_6$$
$$+3I_3I_8I_{15} - 4I_3I_{31} - 3I_4I_{20} + 3I_{16}I_{22} + 3I_{17}I_{18} = 0$$

weight=15, dependency no.10

structure: 3,4,3

$$-4I_1I_3I_{12} - 2I_3I_6I_{17} + 2I_3I_6I_{18} + 2I_4I_{12} - 3I_{15}I_{23} - I_{15}I_{24} + 4I_{17}I_{19}$$
$$-2I_{17}I_{20} - 4I_{18}I_{19} + 2I_{18}I_{20} = 0$$

weight=15, dependency no.11

structure: 3,4,3

$$-2I_3I_6I_{17} + I_{15}I_{23} + I_{15}I_{24} + 2I_{15}I_{27} - 2I_{17}I_{20} - 2I_{17}I_{21} + 2I_{18}I_{19} - 4I_{18}I_{20}$$
$$= 0$$

weight=15, dependency no.12

structure: 5,4,2

$$2I_1I_3I_{24} + I_1I_{15}I_{17} - I_4I_{24} - I_{15}I_{28} - I_{17}I_{22} + I_{18}I_{22} = 0$$

weight=15, dependency no.13

structure: 4,6,1

$$2I_1I_2I_{17} - 2I_1I_2I_{18} - 4I_1I_3I_{25} + 2I_1I_3I_{26} - 2I_3^2I_{17} + 2I_3^2I_{18} + 2I_4I_{25}$$
$$-I_4I_{26} - I_5I_{15} = 0$$

weight=15, dependency no.14

structure: 4,6,1

$$4I_1I_2I_{17} + 2I_1I_2I_{18} - 2I_1I_3I_{25} - 2I_1I_3I_{26} - 2I_2I_{28} + 2I_3^2I_{17} - 2I_3^2I_{18}$$
$$+I_4I_{25} - I_4I_{26} - 3I_5I_{16} = 0$$

weight=16, dependency no.15

structure: 2,4,4

$$-2I_3I_6I_{19} + 4I_3I_6I_{20} - 8I_3I_7I_{15} - I_6I_{15}^2 + 2I_6I_{15}I_{16} + 2I_{12}I_{17} - I_{15}I_{29}$$
$$+I_{15}I_{30} + 4I_{19}^2 - 10I_{19}I_{20} + 4I_{20}^2 = 0$$

weight=16, dependency no.16

structure: 4,4,3

$$5I_1I_3I_6I_{15} - 4I_1I_{15}I_{19} + 7I_1I_{15}I_{20} - 4I_3I_9I_{15} + I_4I_6I_{15} + I_{15}I_{31}$$
$$+3I_{17}I_{24} + 3I_{19}I_{22} - 6I_{20}I_{22} = 0$$

weight=16, dependency no.17

structure: 4,4,3

$$I_1I_3I_6I_{15} + 2I_1I_3I_{30} + I_1I_{15}I_{20} - 2I_3I_9I_{15} - I_4I_{30} - I_{15}I_{31}$$
$$-I_{17}I_{24} + I_{18}I_{24} = 0$$

weight=16, dependency no.18

structure: 4,4,3

$$12I_1I_3^2I_7 + 2I_1I_3I_6I_{16} - 6I_1I_3I_{29} - 4I_1I_{16}I_{19} - 2I_1I_{16}I_{20} - 6I_3I_4I_7 + 2I_3I_9I_{16} - 2I_4I_6I_{16} + 3I_4I_{29} - 2I_{16}I_{31} - 3I_{18}I_{23} + 3I_{19}I_{22} = 0$$

weight=16, dependency no.19

structure: 5,6,1

$$-4I_1^2I_2I_{16} + 2I_1I_2I_{22} + 8I_1I_3^2I_{16} + I_2I_4I_8 - 2I_3^3I_8 - 2I_3^2I_{22} - 2I_3I_4I_{16} - I_5I_{18} = 0$$

weight=16, dependency no.20

structure: 3,6,2

$$4I_1I_3I_{13} + I_2I_8I_{15} - I_3I_{15}^2 - 2I_3I_{15}I_{16} - 2I_4I_{13} + I_{15}I_{32} - I_{17}I_{26} + I_{18}I_{26} = 0$$

weight=16, dependency no.21

structure: 4,4,3

$$-2I_1I_{15}I_{21} + 4I_1I_{16}I_{19} - 8I_1I_{16}I_{20} - 2I_3I_8I_{19} + 4I_3I_8I_{20} + 2I_8I_{15}^2 - 2I_8I_{15}I_{16} - 2I_{15}I_{31} - I_{17}I_{23} + I_{17}I_{24} - 2I_{17}I_{27} = 0$$

weight=16, dependency no.22

structure: 4,4,3

$$2I_1I_3I_{30} + I_3I_6I_{22} - I_4I_{30} - I_8I_{15}^2 - 2I_{17}I_{24} + 2I_{18}I_{24} - I_{19}I_{22} + 3I_{20}I_{22} + I_{21}I_{22} = 0$$

weight=12, dependency no.23

structure: 3,3,1,1

$$-2I_1I_{102} + 2I_3I_{85} - 2I_8I_{45} + I_8I_{46} - I_{18}I_{42} = 0$$

weight=13, dependency no.24

structure: 4,3,1,1

$$2I_1I_3I_{83} - 2I_1I_{15}I_{42} + 2I_1I_{16}I_{42} - I_3I_8I_{42} + 4I_3I_{92} + 4I_3I_{94} - 2I_3I_{96} + I_4I_{83} + I_{15}I_{44} - 3I_{16}I_{44} - 2I_{17}I_{43} - I_{18}I_{43} + I_{22}I_{42} = 0$$

weight=14, dependency no.25

structure: 3,3,2,1

$$2I_1I_3I_{70} + 2I_1I_{15}I_{69} - I_4I_{70} + I_{15}I_{85} - 3I_{15}I_{86} + 2I_{15}I_{87} - 3I_{15}I_{88} - I_{17}I_{84} + I_{18}I_{84} = 0$$

weight=14, dependency no.26

structure: 5,3,1,1

$$2I_1I_3I_{87} + I_1I_{15}I_{43} - I_4I_{87} - I_{15}I_{47} - I_{17}I_{44} + I_{18}I_{44} = 0$$

weight=14, dependency no.27

structure: 4,2,1,2

$$\begin{aligned}&-8I_1I_3I_{60} + 4I_1I_{42}I_{82} + 2I_1I_{42}I_{83} + 2I_1I_{43}I_{69} - 4I_3I_8I_{34} - 4I_3I_{65}\\&-2I_4I_{59} - 4I_{15}I_{35} + 12I_{16}I_{35} - 2I_{42}I_{92} + 2I_{42}I_{94} + 4I_{43}I_{85} - 2I_{43}I_{86} + 2I_{43}I_{87} - 4I_{43}I_{88}\\&-3I_{44}I_{82} - I_{44}I_{83} + I_{44}I_{84} - 2I_{47}I_{69} = 0\end{aligned}$$

weight=14, dependency no.28

structure: 2,2,2,2

$$\begin{aligned}&-8I_3I_{66} - 4I_3I_{67} + 2I_{15}I_{59} - 6I_{16}I_{59} - 2I_{42}I_{89} + 2I_{42}I_{90} + 2I_{42}I_{91} - 4I_{42}I_{93} - 4I_{43}I_{70}\\&+6I_{43}I_{71} + 4I_{69}I_{86} - 4I_{69}I_{87} + 2I_{69}I_{88} - 3I_{82}I_{83} + 3I_{83}^2 + I_{83}I_{84} = 0\end{aligned}$$

weight=14, dependency no.29

structure: 3,3,2,1

$$\begin{aligned}&-2I_3I_6I_{43} - 4I_3I_8I_{69} + 4I_3I_{97} + 2I_3I_{99} - 4I_3I_{100} + I_{15}I_{86} + I_{16}I_{86} - 4I_{16}I_{87}\\&+2I_{16}I_{88} + I_{18}I_{83} - 2I_{20}I_{43} + I_{21}I_{43} + I_{24}I_{42} - I_{27}I_{42} = 0\end{aligned}$$

weight=14, dependency no.30

structure: 3,3,2,1

$$-I_8I_{102} - 4I_9I_{45} + 2I_9I_{46} + 2I_{16}I_{85} - I_{18}I_{82} = 0$$

weight=14, dependency no.31

structure: 2,5,1,1

$$I_2I_{85} - I_3I_{102} - 2I_{16}I_{45} + I_{16}I_{46} - I_{18}I_{37} = 0$$

weight=14, dependency no.32

structure: 2,5,1,1

$$\begin{aligned}&4I_2I_{86} - 4I_2I_{87} + 2I_2I_{88} + 12I_3I_{101} - 6I_3I_{103} - 12I_3I_{106} - 6I_{11}I_{43} - I_{15}I_{46} + 3I_{16}I_{46}\\&+3I_{25}I_{42} - 2I_{26}I_{42} = 0\end{aligned}$$

weight=14, dependency no.33

structure: 3,3,2,1

$$\begin{aligned}&-16I_1I_3I_{70} + 12I_1I_3I_{71} - 4I_1I_{15}I_{69} + 6I_3I_6I_{43} - 12I_3I_{109} + 2I_4I_{70} - 2I_{15}I_{85}\\&+2I_{15}I_{87} + 6I_{16}I_{86} - 6I_{16}I_{87} + 12I_{16}I_{88} + 6I_{17}I_{83} + 2I_{17}I_{84} - 2I_{18}I_{84} - 12I_{19}I_{43} + 6I_{20}I_{43}\\&+3I_{23}I_{42} - 3I_{24}I_{42} = 0\end{aligned}$$

weight=14, dependency no.34

structure: 5,3,1,1

$$-4I_1I_3I_{87}+12I_1I_3I_{88}+4I_1I_{15}I_{43}-3I_1I_{17}I_{42}-6I_3I_{110}+I_4I_{86}-2I_4I_{87}$$
$$+2I_4I_{88}+2I_{17}I_{44}+I_{18}I_{44}-3I_{22}I_{43}-I_{28}I_{42}=0$$

weight=14, dependency no.35

structure: 3,3,2,1

$$-4I_1I_3I_{70}+4I_1I_3I_{71}+4I_1I_{16}I_{69}-2I_3I_8I_{69}+8I_3I_{97}-2I_3I_{99}+4I_3I_{100}$$
$$-8I_3I_{105}+2I_4I_{70}-2I_4I_{71}-2I_{15}I_{85}+3I_{15}I_{86}+4I_{16}I_{85}-3I_{16}I_{86}-4I_{16}I_{87}+6I_{16}I_{88}$$
$$+2I_{17}I_{82}+I_{18}I_{82}-I_{18}I_{84}-4I_{19}I_{43}+I_{21}I_{43}-2I_{22}I_{69}+I_{23}I_{42}-I_{27}I_{42}=0$$

weight=14, dependency no.36

structure: 4,5,0,1

$$6I_1I_3I_{46}+2I_2I_{47}-6I_3^2I_{43}-6I_3I_{58}-I_4I_{46}+I_5I_{42}=0$$

weight=14, dependency no.37

structure: 6,2,0,2

$$-2I_1^2I_3I_{34}+2I_1^2I_{42}^2-2I_1I_3I_{35}-3I_1I_{42}I_{44}+I_1I_{43}^2-I_3I_{36}-I_4I_{35}$$
$$+I_{43}I_{47}+I_{44}^2=0$$

weight=15, dependency no.38

structure: 3,2,2,2

$$-I_{15}I_{61}+I_{44}I_{70}-I_{84}I_{87}=0$$

weight=15, dependency no.39

structure: 5,2,1,2

$$2I_1I_3I_{61}-I_1I_{43}I_{84}+2I_1I_{44}I_{69}-I_4I_{61}+I_{44}I_{85}-3I_{44}I_{86}+2I_{44}I_{87}$$
$$-3I_{44}I_{88}+I_{47}I_{84}=0$$

weight=15, dependency no.40

structure: 2,3,3,1

$$I_{15}I_{89}-I_{15}I_{90}-I_{17}I_{70}-I_{19}I_{84}+2I_{20}I_{84}=0$$

weight=15, dependency no.41

structure: 4,3,2,1

$$-2I_1I_3I_{89}+2I_1I_3I_{90}-I_1I_{15}I_{84}-2I_1I_{16}I_{84}-2I_1I_{17}I_{69}+I_3I_8I_{84}$$
$$+I_4I_{89}-I_4I_{90}-I_{17}I_{85}+3I_{17}I_{86}-2I_{17}I_{87}+3I_{17}I_{88}+I_{22}I_{84}=0$$

weight=15, dependency no.42

structure: 4,3,2,1

$$I_1 I_{15} I_{83} - I_{15} I_{94} - I_{17} I_{87} - I_{19} I_{44} + 2 I_{20} I_{44} = 0$$

weight=15, dependency no.43

structure: 6,3,1,1

$$-2 I_1^2 I_3 I_{83} + 2 I_1 I_3 I_{94} + I_1 I_4 I_{83} - I_1 I_{15} I_{44} - 2 I_1 I_{16} I_{44} - I_1 I_{17} I_{43} + I_3 I_8 I_{44} - I_4 I_{94} + I_{17} I_{47} + I_{22} I_{44} = 0$$

weight=15, dependency no.44

structure: 2,3,3,1

$$2 I_3 I_6 I_{84} - 2 I_6 I_{15} I_{42} - 2 I_{15} I_{89} + 3 I_{15} I_{91} - I_{15} I_{93} - 6 I_{15} I_{95} + 2 I_{18} I_{70} + 2 I_{20} I_{84} + 2 I_{21} I_{84} = 0$$

weight=15, dependency no.45

structure: 4,3,2,1

$$4 I_1 I_3 I_6 I_{42} + 4 I_1 I_3 I_{89} - 6 I_1 I_3 I_{91} + 2 I_1 I_3 I_{93} + 12 I_1 I_3 I_{95} + 4 I_1 I_{16} I_{84} + 4 I_1 I_{18} I_{69} - 2 I_3 I_8 I_{84} - 2 I_4 I_6 I_{42} - 2 I_4 I_{89} + 3 I_4 I_{91} - I_4 I_{93} - 6 I_4 I_{95} + 2 I_{18} I_{85} - 6 I_{18} I_{86} + 4 I_{18} I_{87} - 6 I_{18} I_{88} - 2 I_{22} I_{84} = 0$$

weight=15, dependency no.46

structure: 4,3,2,1

$$-2 I_1 I_3 I_6 I_{42} - 2 I_1 I_3 I_{89} + 2 I_1 I_3 I_{93} - 2 I_1 I_{16} I_{84} - 2 I_1 I_{18} I_{69} + 6 I_3 I_6 I_{44} - 3 I_3 I_8 I_{83} + I_3 I_8 I_{84} + I_4 I_6 I_{42} + I_4 I_{89} - I_4 I_{93} + 3 I_{15} I_{92} - 3 I_{15} I_{96} - 6 I_{16} I_{92} - 6 I_{16} I_{94} + 3 I_{16} I_{96} - 3 I_{17} I_{86} - I_{18} I_{85} + I_{18} I_{87} - 3 I_{19} I_{44} + 6 I_{20} I_{44} + 3 I_{22} I_{83} + I_{22} I_{84} = 0$$

weight=15, dependency no.47

structure: 3,5,1,1

$$-2 I_1 I_3 I_{73} - 2 I_1 I_3 I_{74} - 2 I_1 I_{15} I_{37} + I_3 I_{15} I_{42} + I_4 I_{73} + I_4 I_{74} + I_{15} I_{50} + 2 I_{17} I_{45} - I_{17} I_{46} - 2 I_{18} I_{45} + I_{18} I_{46} = 0$$

weight=15, dependency no.48

structure: 4,3,2,1

$$I_3 I_6 I_{44} - I_8 I_{15} I_{42} + 2 I_{15} I_{92} - I_{15} I_{96} + I_{18} I_{87} + I_{20} I_{44} + I_{21} I_{44} = 0$$

weight=15, dependency no.49

structure: 3,5,1,1

$$2 I_1 I_2 I_{82} - 4 I_1 I_{16} I_{37} - I_2 I_8 I_{42} - 2 I_3^2 I_{82} + 2 I_3 I_8 I_{37} + 2 I_3 I_{16} I_{42} + 2 I_{18} I_{45} - I_{18} I_{46} = 0$$

weight=15, dependency no.50

structure: 6,3,1,1

$$2I_1I_3I_8I_{42} - 4I_1I_3I_{92} + 2I_1I_3I_{96} + 2I_1I_{16}I_{44} + I_1I_{18}I_{43} - I_3I_8I_{44} \\ -I_4I_8I_{42} + 2I_4I_{92} - I_4I_{96} - I_{18}I_{47} - I_{22}I_{44} = 0$$

weight=15, dependency no.51

structure: 4,3,2,1

$$-4I_1I_9I_{37} + 2I_1I_{16}I_{82} - I_3I_8I_{82} + 2I_3I_9I_{42} + I_8^2I_{37} - I_8I_{16}I_{42} \\ +I_{18}I_{85} = 0$$

weight=15, dependency no.52

structure: 4,3,2,1

$$-4I_1I_3I_6I_{42} - 2I_1I_3I_{89} + 20I_1I_3I_{91} + 6I_1I_3I_{93} - 30I_1I_{15}I_{83} + 8I_1I_{16}I_{82} \\ +24I_1I_{16}I_{83} + 6I_1I_{16}I_{84} + 4I_1I_{17}I_{69} + 6I_1I_{18}I_{69} + 8I_1I_{19}I_{42} + 16I_1I_{20}I_{42} \\ +62I_3I_6I_{44} - 4I_3I_8I_{82} - 36I_3I_8I_{83} + 5I_3I_8I_{84} - 20I_3I_9I_{42} + 10I_4I_6I_{42} \\ +I_4I_{89} - 2I_4I_{91} + 5I_4I_{93} + 13I_{15}I_{92} - 48I_{16}I_{92} - 48I_{16}I_{94} - 43I_{17}I_{86} + 30I_{17}I_{87} \\ -30I_{17}I_{88} - I_{18}I_{85} - 28I_{18}I_{86} + 29I_{18}I_{87} - 19I_{18}I_{88} - 21I_{19}I_{44} + 24I_{20}I_{44} - 2I_{22}I_{82} \\ +32I_{22}I_{83} - I_{22}I_{84} + 12I_{23}I_{43} + 8I_{24}I_{43} - 4I_{28}I_{69} = 0$$

weight=15, dependency no.53

structure: 3,5,1,1

$$-4I_1I_2I_{82} - 6I_1I_2I_{83} - I_1I_2I_{84} + 6I_1I_3I_{72} - 14I_1I_3I_{73} + 2I_1I_3I_{74} \\ -8I_1I_{11}I_{42} - 2I_1I_{15}I_{37} + 10I_1I_{16}I_{37} - 2I_2I_{92} - 2I_2I_{94} + 7I_2I_{96} + 8I_3^2I_{82} \\ -3I_3^2I_{84} - 5I_3I_8I_{37} + 4I_3I_{16}I_{42} + I_4I_{72} - I_4I_{73} - I_4I_{74} - I_5I_{69} + 3I_{11}I_{44} \\ -I_{15}I_{50} + I_{15}I_{51} - 6I_{16}I_{51} - 6I_{17}I_{45} + I_{17}I_{46} - 3I_{18}I_{45} - I_{18}I_{46} + 2I_{22}I_{37} - 4I_{25}I_{43} \\ +5I_{26}I_{43} = 0$$

weight=15, dependency no.54

structure: 2,4,1,2

$$-2I_{18}I_{38} + 2I_{37}I_{85} - I_{42}I_{102} - 2I_{45}I_{82} + I_{46}I_{82} = 0$$

weight=15, dependency no.55

structure: 3,2,2,2

$$-I_1I_{42}I_{70} + I_1I_{42}I_{71} + 2I_1I_{69}I_{83} - 2I_{17}I_{59} - I_{18}I_{59} - I_{42}I_{97} + I_{42}I_{99} \\ -2I_{42}I_{100} + 2I_{42}I_{105} - I_{42}I_{109} + 2I_{44}I_{70} - 3I_{44}I_{71} - 2I_{69}I_{92} - 2I_{69}I_{94} + I_{69}I_{96} + 2I_{83}I_{85} \\ -3I_{83}I_{86} + I_{83}I_{87} = 0$$

weight=15, dependency no.56

structure: 5,2,1,2

$$I_1I_{42}I_{86} - 2I_1I_{42}I_{87} + 4I_1I_{42}I_{88} + I_1I_{43}I_{83} - 4I_{17}I_{35} - 2I_{18}I_{35} - I_{42}I_{104} \\ -I_{42}I_{110} + 2I_{43}I_{92} + 2I_{43}I_{94} - I_{43}I_{96} + 2I_{44}I_{87} - 3I_{44}I_{88} + I_{47}I_{83} = 0$$

weight=15, dependency no.57

structure: 4,3,2,1

$$2I_1I_3I_{89} - 2I_1I_3I_{93} + 6I_1I_{15}I_{83} + 2I_1I_{16}I_{84} + 2I_1I_{18}I_{69} - 8I_1I_{19}I_{42} \\ -4I_1I_{20}I_{42} - 6I_3I_6I_{44} - I_3I_8I_{84} + 4I_3I_9I_{42} - 2I_4I_6I_{42} - I_4I_{89} \\ +I_4I_{93} + 3I_{15}I_{92} + 3I_{17}I_{86} - 6I_{17}I_{87} + 6I_{17}I_{88} + I_{18}I_{85} - I_{18}I_{87} + 3I_{18}I_{88} + 9I_{19}I_{44} \\ -6I_{22}I_{83} - I_{22}I_{84} - 4I_{31}I_{42} = 0$$

weight=15, dependency no.58

structure: 3,5,1,1

$$I_1I_2I_{82} + I_1I_2I_{83} - 2I_1I_{16}I_{37} - 2I_2I_{92} - 2I_2I_{94} + I_2I_{96} - I_3^2I_{82} \\ -3I_3^2I_{83} + I_3I_8I_{37} + I_3I_{15}I_{42} + 3I_{11}I_{44} + I_{17}I_{46} + I_{18}I_{45} - I_{32}I_{42} = 0$$

weight=15, dependency no.59

structure: 3,3,1,1,1

$$2I_1I_3I_{192} + 2I_1I_{15}I_{159} - I_4I_{192} + I_{15}I_{182} - 3I_{15}I_{183} + 2I_{15}I_{184} - 3I_{15}I_{185} - I_{17}I_{181} \\ +I_{18}I_{181} = 0$$

weight=15, dependency no.60

structure: 4,4,1,0,1

$$2I_1I_3I_{169} - I_4I_{169} + I_{15}I_{127} - I_{15}I_{128} - I_{17}I_{125} + I_{18}I_{125} = 0$$

weight=14, dependency no.61

structure: 2,3,1,1,1

$$-6I_3I_{196} - I_{15}I_{179} + 3I_{16}I_{179} - 2I_{42}I_{168} + 2I_{42}I_{169} - I_{42}I_{172} + 3I_{43}I_{149} - 3I_{83}I_{124} \\ +2I_{86}I_{117} - 2I_{87}I_{117} + I_{88}I_{117} = 0$$

weight=14, dependency no.62

structure: 4,3,0,1,1

$$6I_1I_3I_{179} + 4I_1I_{42}I_{124} - 3I_1I_{43}I_{117} - 6I_3I_{186} + I_4I_{179} - I_{42}I_{127} + I_{42}I_{128} \\ +3I_{43}I_{125} - 3I_{44}I_{124} - I_{47}I_{117} = 0$$

weight=14, dependency no.63

structure: 3,4,1,0,1

$$6I_1I_3I_{149} - 2I_1I_{15}I_{117} + 2I_1I_{16}I_{117} - I_3I_8I_{117} + 4I_3I_{173} - 4I_3I_{174} + 4I_3I_{175} \\ -2I_3I_{178} + I_4I_{149} + I_{15}I_{125} - 3I_{16}I_{125} - 2I_{17}I_{124} - I_{18}I_{124} + I_{22}I_{117} = 0$$

weight=15, dependency no.64
structure: 3,3,1,1,1

$$4I_1I_{42}I_{149} - 2I_1I_{83}I_{117} + 2I_{17}I_{179} + I_{18}I_{179} + 2I_{42}I_{173} - 2I_{42}I_{174} + 2I_{42}I_{175} - I_{42}I_{178} \\ -3I_{44}I_{149} + 3I_{83}I_{125} - 2I_{92}I_{117} - 2I_{94}I_{117} + I_{96}I_{117} = 0$$