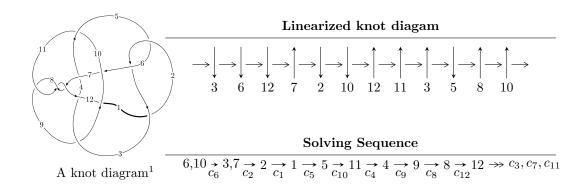
# $12n_{0444} \ (K12n_{0444})$



#### Ideals for irreducible components<sup>2</sup> of $X_{par}$

$$\begin{split} I_1^u &= \langle 5.32469 \times 10^{28} u^{19} - 1.94113 \times 10^{29} u^{18} + \dots + 2.78354 \times 10^{30} b - 8.37086 \times 10^{31}, \\ &- 3.59288 \times 10^{32} u^{19} + 1.29989 \times 10^{33} u^{18} + \dots + 6.03193 \times 10^{33} a + 5.69917 \times 10^{35}, \\ &u^{20} - 5u^{19} + \dots - 5504u + 2167 \rangle \\ I_2^u &= \langle -39167u^9 + 24055u^8 + \dots + 90803b + 150893, \ 39167u^9 - 24055u^8 + \dots + 90803a - 241696, \\ &u^{10} - 6u^8 + 27u^6 + 30u^5 + 30u^4 + 14u^3 + 10u^2 + 2u + 1 \rangle \\ I_3^u &= \langle b + 1, \ a - u + 1, \ u^3 - 2u^2 + u + 1 \rangle \end{split}$$

\* 3 irreducible components of  $\dim_{\mathbb{C}} = 0$ , with total 33 representations.

<sup>&</sup>lt;sup>1</sup>The image of knot diagram is generated by the software "**Draw programme**" developed by Andrew Bartholomew(http://www.layer8.co.uk/maths/draw/index.htm#Running-draw), where we modified some parts for our purpose(https://github.com/CATsTAILs/LinksPainter).

 $<sup>^2</sup>$  All coefficients of polynomials are rational numbers. But the coefficients are sometimes approximated in decimal forms when there is not enough margin.

I. 
$$I_1^u = \langle 5.32 \times 10^{28} u^{19} - 1.94 \times 10^{29} u^{18} + \dots + 2.78 \times 10^{30} b - 8.37 \times 10^{31}, -3.59 \times 10^{32} u^{19} + 1.30 \times 10^{33} u^{18} + \dots + 6.03 \times 10^{33} a + 5.70 \times 10^{35}, \ u^{20} - 5u^{19} + \dots - 5504u + 2167 \rangle$$

(i) Arc colorings

$$a_{10} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} 0.0595644u^{19} - 0.215502u^{18} + \dots + 169.749u - 94.4834 \\ -0.0191292u^{19} + 0.0697361u^{18} + \dots - 55.2312u + 30.0727 \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} 1 \\ u^{2} \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} 0.0404352u^{19} - 0.145766u^{18} + \dots + 114.518u - 64.4106 \\ -0.0191292u^{19} + 0.0697361u^{18} + \dots - 55.2312u + 30.0727 \end{pmatrix}$$

$$a_{1} = \begin{pmatrix} 0.0614601u^{19} + 0.224116u^{18} + \dots - 176.369u + 97.1863 \\ 0.0732431u^{19} - 0.266224u^{18} + \dots + 209.407u - 116.188 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} -0.0367341u^{19} + 0.133131u^{18} + \dots - 104.597u + 56.9934 \\ 0.0484428u^{19} - 0.177657u^{18} + \dots + 141.186u - 79.6977 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -0.109966u^{19} + 0.400168u^{18} + \dots - 316.982u + 175.815 \\ -0.00769082u^{19} + 0.0267093u^{18} + \dots - 20.2609u + 10.6953 \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} -0.153606u^{19} + 0.560090u^{18} + \dots - 444.350u + 246.211 \\ -0.164874u^{19} + 0.598489u^{18} + \dots - 471.899u + 261.395 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} 0.0266987u^{19} - 0.0960595u^{18} + \dots + 75.9779u - 40.6092 \\ -0.115096u^{19} + 0.419259u^{18} + \dots - 332.122u + 184.578 \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} 0.0291891u^{19} - 0.106960u^{18} + \dots + 85.6547u - 46.9664 \\ 0.0785887u^{19} - 0.287166u^{18} + \dots + 225.983u - 125.342 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} -0.0614601u^{19} + 0.224116u^{18} + \dots - 176.369u + 97.1863 \\ -0.04004440u^{19} + 0.146686u^{18} + \dots - 176.369u + 97.1863 \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes =  $-0.0313654u^{19} + 0.114631u^{18} + \cdots 89.3865u + 39.1345$

## (iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
$c_1$	$u^{20} + 12u^{19} + \dots - 19u + 4$
$c_2, c_5$	$u^{20} - 2u^{19} + \dots - 5u + 2$
$c_3$	$u^{20} - 5u^{19} + \dots - 4312u + 581$
$c_4$	$u^{20} - u^{19} + \dots - 622u + 97$
<i>C</i> <sub>6</sub>	$u^{20} + 5u^{19} + \dots + 5504u + 2167$
$c_7, c_8, c_{11}$	$u^{20} + 3u^{19} + \dots - 71u + 62$
<i>c</i> <sub>9</sub>	$u^{20} - u^{19} + \dots - 78u + 17$
$c_{10}$	$u^{20} - u^{19} + \dots - 52u + 17$
$c_{12}$	$u^{20} + u^{19} + \dots - 294u + 151$

## (v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
$c_1$	$y^{20} - 8y^{19} + \dots - 417y + 16$
$c_2, c_5$	$y^{20} - 12y^{19} + \dots + 19y + 4$
$c_3$	$y^{20} - 75y^{19} + \dots + 153632486y + 337561$
$c_4$	$y^{20} + 63y^{19} + \dots - 66784y + 9409$
$c_6$	$y^{20} - 35y^{19} + \dots - 16056826y + 4695889$
$c_7, c_8, c_{11}$	$y^{20} + 37y^{19} + \dots + 27075y + 3844$
<i>c</i> <sub>9</sub>	$y^{20} + 39y^{19} + \dots + 6088y + 289$
$c_{10}$	$y^{20} - 5y^{19} + \dots - 120y + 289$
$c_{12}$	$y^{20} + 47y^{19} + \dots + 412468y + 22801$

# (vi) Complex Volumes and Cusp Shapes

Solutions to $I_1^u$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.703317 + 0.600603I		
a = -0.437463 - 0.884492I	-2.03672 + 1.24145I	-6.74073 - 2.13278I
b = -0.924571 + 0.362873I		
u = 0.703317 - 0.600603I		
a = -0.437463 + 0.884492I	-2.03672 - 1.24145I	-6.74073 + 2.13278I
b = -0.924571 - 0.362873I		
u = 0.459645 + 0.743049I		
a = 0.260880 + 0.613052I	0.254769 - 1.344490I	2.10960 + 5.34511I
b = 0.118127 - 0.454177I		
u = 0.459645 - 0.743049I		
a = 0.260880 - 0.613052I	0.254769 + 1.344490I	2.10960 - 5.34511I
b = 0.118127 + 0.454177I		
u = -0.971034 + 0.814910I		
a = 0.177512 - 0.054619I	1.28418 - 1.69463I	6.51624 + 5.12886I
b = 0.759811 + 0.367137I		
u = -0.971034 - 0.814910I		
a = 0.177512 + 0.054619I	1.28418 + 1.69463I	6.51624 - 5.12886I
b = 0.759811 - 0.367137I		
u = 1.358840 + 0.009534I		
a = -0.18107 + 1.59414I	16.5713 + 0.1764I	-5.92523 - 0.80143I
b = 1.34261 - 0.46139I		
u = 1.358840 - 0.009534I		
a = -0.18107 - 1.59414I	16.5713 - 0.1764I	-5.92523 + 0.80143I
b = 1.34261 + 0.46139I		
u = -1.39927 + 0.25928I		
a = -0.153915 - 1.075640I	-5.96211 - 0.50208I	-3.53348 + 0.08568I
b = -0.150857 + 0.864815I		
u = -1.39927 - 0.25928I		
a = -0.153915 + 1.075640I	-5.96211 + 0.50208I	-3.53348 - 0.08568I
b = -0.150857 - 0.864815I		

Solutions to $I_1^u$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.35298 + 0.59131I		
a = 0.282108 - 0.480951I	-2.42744 - 4.72916I	-3.24036 + 7.15543I
b = 1.105280 + 0.366189I		
u = 1.35298 - 0.59131I		
a = 0.282108 + 0.480951I	-2.42744 + 4.72916I	-3.24036 - 7.15543I
b = 1.105280 - 0.366189I		
u = -1.33962 + 0.86373I		
a = -0.145047 + 1.067730I	-10.43980 + 3.82524I	-6.93583 - 2.76644I
b = 1.296470 - 0.378610I		
u = -1.33962 - 0.86373I		
a = -0.145047 - 1.067730I	-10.43980 - 3.82524I	-6.93583 + 2.76644I
b = 1.296470 + 0.378610I		
u = 1.73280 + 0.79935I		
a = -0.300874 - 1.047990I	-18.5073 - 4.9976I	-2.68482 + 1.85210I
b = -0.057341 + 0.997519I		
u = 1.73280 - 0.79935I		
a = -0.300874 + 1.047990I	-18.5073 + 4.9976I	-2.68482 - 1.85210I
b = -0.057341 - 0.997519I		
u = -1.90586 + 0.34611I		
a = 0.024972 + 0.827392I	-9.03300 - 5.58421I	-6.18314 + 4.04952I
b = -1.189400 - 0.543552I		
u = -1.90586 - 0.34611I		
a = 0.024972 - 0.827392I	-9.03300 + 5.58421I	-6.18314 - 4.04952I
b = -1.189400 + 0.543552I		
u = 2.50819 + 1.00282I		
a = 0.136951 + 0.755014I	17.1367 - 10.4420I	-5.38225 + 4.71177I
b = -1.300140 - 0.529897I		
u = 2.50819 - 1.00282I		
a = 0.136951 - 0.755014I	17.1367 + 10.4420I	-5.38225 - 4.71177I
b = -1.300140 + 0.529897I		

II. 
$$I_2^u = \langle -39167u^9 + 24055u^8 + \dots + 90803b + 150893, \ 39167u^9 - 24055u^8 + \dots + 90803a - 241696, \ u^{10} - 6u^8 + \dots + 2u + 1 \rangle$$

(i) Arc colorings

$$a_{6} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} -0.431340u^{9} + 0.264914u^{8} + \cdots - 1.16678u + 2.66176 \\ 0.431340u^{9} - 0.264914u^{8} + \cdots + 1.16678u - 1.66176 \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} 1 \\ u^{2} \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} 0.431340u^{9} - 0.264914u^{8} + \cdots + 1.16678u - 1.66176 \\ 0.431340u^{9} - 0.264914u^{8} + \cdots + 10.7123u - 1.76757 \\ -1.35298u^{9} + 0.191591u^{8} + \cdots - 5.87905u - 0.570664 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} -0.431340u^{9} + 0.264914u^{8} + \cdots - 1.16678u + 2.66176 \\ 1.13732u^{9} - 0.470172u^{8} + \cdots + 3.66644u - 1.67648 \\ 0.926676u^{9} + 0.384426u^{8} + \cdots + 9.61086u + 2.92164 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -u^{9} + 6u^{7} - 27u^{5} - 30u^{4} - 30u^{3} - 14u^{2} - 10u - 2 \\ 0.926676u^{9} + 0.384426u^{8} + \cdots + 9.61086u + 2.92164 \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} -1.61557u^{9} + 0.780393u^{8} + \cdots - 4.93171u + 4.07332 \\ 1.20899u^{9} - 0.543143u^{8} + \cdots + 3.81972u - 2.19195 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} -u^{9} + 6u^{7} - 27u^{5} - 30u^{4} - 30u^{3} - 14u^{2} - 10u - 2 \\ 0.735086u^{9} + 0.0469147u^{8} + \cdots + 7.47556u + 1.56866 \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} -0.429336u^{9} - 1.35298u^{8} + \cdots - 12.2006u - 6.73772 \\ -0.234717u^{9} + 0.913527u^{8} + \cdots + 4.86712u + 4.70396 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 2.92164u^{9} - 0.926676u^{8} + \cdots + 10.7123u - 1.76757 \\ -1.73741u^{9} + 0.411198u^{8} + \cdots - 6.94734u + 0.356012 \end{pmatrix}$$

#### (ii) Obstruction class = 1

(iii) Cusp Shapes = 
$$-\frac{418432}{90803}u^9 - \frac{85648}{90803}u^8 + \frac{2619224}{90803}u^7 + \frac{532096}{90803}u^6 - \frac{11982728}{90803}u^5 - \frac{14963376}{90803}u^4 - \frac{12033384}{90803}u^3 - \frac{4718044}{90803}u^2 - \frac{2327168}{90803}u - \frac{672892}{90803}$$

## (iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
$c_1$	$(u^5 - 3u^4 + 4u^3 - u^2 - u + 1)^2$
$c_2, c_5$	$u^{10} - 3u^8 + 4u^6 - u^4 - u^2 + 1$
<i>c</i> <sub>3</sub>	$u^{10} + 4u^9 + \dots + 10u + 1$
$c_4$	$u^{10} - 2u^9 + u^8 - 4u^7 + 7u^6 + 10u^5 - 8u^4 + 14u^3 + 53u^2 + 25$
$c_6$	$u^{10} - 6u^8 + 27u^6 + 30u^5 + 30u^4 + 14u^3 + 10u^2 + 2u + 1$
$c_7, c_8, c_{11}$	$u^{10} + 5u^8 + 8u^6 + 3u^4 - u^2 + 1$
$c_9,c_{10}$	$(u^2+1)^5$
$c_{12}$	$u^{10} + u^8 - 10u^7 - u^6 + 10u^5 + 40u^4 + 4u^3 - 3u^2 - 50u + 25$

## (v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
$c_1$	$(y^5 - y^4 + 8y^3 - 3y^2 + 3y - 1)^2$
$c_2, c_5$	$(y^5 - 3y^4 + 4y^3 - y^2 - y + 1)^2$
<i>c</i> <sub>3</sub>	$y^{10} + 12y^9 + \dots - 16y + 1$
$c_4$	$y^{10} - 2y^9 + \dots + 2650y + 625$
<i>C</i> <sub>6</sub>	$y^{10} - 12y^9 + \dots + 16y + 1$
$c_7, c_8, c_{11}$	$(y^5 + 5y^4 + 8y^3 + 3y^2 - y + 1)^2$
$c_9,c_{10}$	$(y+1)^{10}$
$c_{12}$	$y^{10} + 2y^9 + \dots - 2650y + 625$

# (vi) Complex Volumes and Cusp Shapes

Solutions to $I_2^u$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.482881 + 0.629714I		
a = 1.000000 - 0.766826I	-2.40108	-1.48114 + 0.I
b = 0.766826I		
u = -0.482881 - 0.629714I		
a = 1.000000 + 0.766826I	-2.40108	-1.48114 + 0.I
b = -0.766826I		
u = 0.098692 + 0.530370I		
a = 1.82238 + 0.33911I	-0.32910 - 1.53058I	-0.51511 + 4.43065I
b = -0.822375 - 0.339110I		
u = 0.098692 - 0.530370I		
a = 1.82238 - 0.33911I	-0.32910 + 1.53058I	-0.51511 - 4.43065I
b = -0.822375 + 0.339110I		
u = -0.090267 + 0.435818I		
a = 2.20015 - 0.45570I	-5.87256 + 4.40083I	-4.74431 - 3.49859I
b = -1.200150 + 0.455697I		
u = -0.090267 - 0.435818I		
a = 2.20015 + 0.45570I	-5.87256 - 4.40083I	-4.74431 + 3.49859I
b = -1.200150 - 0.455697I		
u = -1.83956 + 0.80797I		
a = -0.200152 + 0.455697I	-5.87256 + 4.40083I	-4.74431 - 3.49859I
b = 1.200150 - 0.455697I		
u = -1.83956 - 0.80797I		
a = -0.200152 - 0.455697I	-5.87256 - 4.40083I	-4.74431 + 3.49859I
b = 1.200150 + 0.455697I		
u = 2.31402 + 1.21207I		
a = 0.177625 + 0.339110I	-0.32910 + 1.53058I	-0.51511 - 4.43065I
b = 0.822375 - 0.339110I		
u = 2.31402 - 1.21207I		
a = 0.177625 - 0.339110I	-0.32910 - 1.53058I	-0.51511 + 4.43065I
b = 0.822375 + 0.339110I		

III. 
$$I_3^u = \langle b+1, \ a-u+1, \ u^3-2u^2+u+1 \rangle$$

(i) Arc colorings

a) Are colorings
$$a_{6} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} u - 1 \\ -1 \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} 1 \\ u^{2} \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} u - 2 \\ -1 \end{pmatrix}$$

$$a_{1} = \begin{pmatrix} -1 \\ 0 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} u - 1 \\ -1 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 1 \\ u^{2} \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} u^{2} - 1 \\ u^{2} - 2u - 2 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} 1 \\ u^{2} \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} 1 \\ u^{2} \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} -1 \\ -u^{2} \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = -6

## (iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
$c_1, c_2, c_5$	$(u+1)^3$
$c_3, c_4, c_9$ $c_{10}$	$u^3 + u + 1$
$c_6$	$u^3 + 2u^2 + u - 1$
$c_7, c_8, c_{11}$	$u^3$
$c_{12}$	$u^3 - 2u^2 + u + 1$

# (v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
$c_1, c_2, c_5$	$(y-1)^3$
$c_3, c_4, c_9$ $c_{10}$	$y^3 + 2y^2 + y - 1$
$c_6, c_{12}$	$y^3 - 2y^2 + 5y - 1$
$c_7, c_8, c_{11}$	$y^3$

# (vi) Complex Volumes and Cusp Shapes

Solutions to $I_3^u$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.23279 + 0.79255I		
a = 0.232786 + 0.792552I	-1.64493	-6.00000
b = -1.00000		
u = 1.23279 - 0.79255I		
a = 0.232786 - 0.792552I	-1.64493	-6.00000
b = -1.00000		
u = -0.465571		
a = -1.46557	-1.64493	-6.00000
b = -1.00000		

IV. u-Polynomials

Crossings	u-Polynomials at each crossing
$c_1$	$((u+1)^3)(u^5 - 3u^4 + \dots - u + 1)^2(u^{20} + 12u^{19} + \dots - 19u + 4)$
$c_2,c_5$	$((u+1)^3)(u^{10}-3u^8+\cdots-u^2+1)(u^{20}-2u^{19}+\cdots-5u+2)$
<i>C</i> <sub>3</sub>	$(u^3 + u + 1)(u^{10} + 4u^9 + \dots + 10u + 1)(u^{20} - 5u^{19} + \dots - 4312u + 581)$
$c_4$	$(u^{3} + u + 1)(u^{10} - 2u^{9} + \dots + 53u^{2} + 25)$ $\cdot (u^{20} - u^{19} + \dots - 622u + 97)$
$c_6$	$(u^{3} + 2u^{2} + u - 1)$ $\cdot (u^{10} - 6u^{8} + 27u^{6} + 30u^{5} + 30u^{4} + 14u^{3} + 10u^{2} + 2u + 1)$ $\cdot (u^{20} + 5u^{19} + \dots + 5504u + 2167)$
$c_7, c_8, c_{11}$	$u^{3}(u^{10} + 5u^{8} + \dots - u^{2} + 1)(u^{20} + 3u^{19} + \dots - 71u + 62)$
<i>C</i> 9	$((u^2+1)^5)(u^3+u+1)(u^{20}-u^{19}+\cdots-78u+17)$
$c_{10}$	$((u^2+1)^5)(u^3+u+1)(u^{20}-u^{19}+\cdots-52u+17)$
$c_{12}$	$(u^{3} - 2u^{2} + u + 1)$ $\cdot (u^{10} + u^{8} - 10u^{7} - u^{6} + 10u^{5} + 40u^{4} + 4u^{3} - 3u^{2} - 50u + 25)$ $\cdot (u^{20} + u^{19} + \dots - 294u + 151)$

## V. Riley Polynomials

Crossings	Riley Polynomials at each crossing
$c_1$	$ (y-1)^3(y^5 - y^4 + 8y^3 - 3y^2 + 3y - 1)^2  \cdot (y^{20} - 8y^{19} + \dots - 417y + 16) $
$c_{2}, c_{5}$	$((y-1)^3)(y^5-3y^4+\cdots-y+1)^2(y^{20}-12y^{19}+\cdots+19y+4)$
$c_3$	$(y^3 + 2y^2 + y - 1)(y^{10} + 12y^9 + \dots - 16y + 1)$ $\cdot (y^{20} - 75y^{19} + \dots + 153632486y + 337561)$
$c_4$	$(y^3 + 2y^2 + y - 1)(y^{10} - 2y^9 + \dots + 2650y + 625)$ $\cdot (y^{20} + 63y^{19} + \dots - 66784y + 9409)$
$c_6$	$(y^3 - 2y^2 + 5y - 1)(y^{10} - 12y^9 + \dots + 16y + 1)$ $\cdot (y^{20} - 35y^{19} + \dots - 16056826y + 4695889)$
$c_7, c_8, c_{11}$	$y^{3}(y^{5} + 5y^{4} + 8y^{3} + 3y^{2} - y + 1)^{2}$ $\cdot (y^{20} + 37y^{19} + \dots + 27075y + 3844)$
<i>C</i> 9	$((y+1)^{10})(y^3+2y^2+y-1)(y^{20}+39y^{19}+\cdots+6088y+289)$
$c_{10}$	$((y+1)^{10})(y^3+2y^2+y-1)(y^{20}-5y^{19}+\cdots-120y+289)$
$c_{12}$	$(y^3 - 2y^2 + 5y - 1)(y^{10} + 2y^9 + \dots - 2650y + 625)$ $\cdot (y^{20} + 47y^{19} + \dots + 412468y + 22801)$