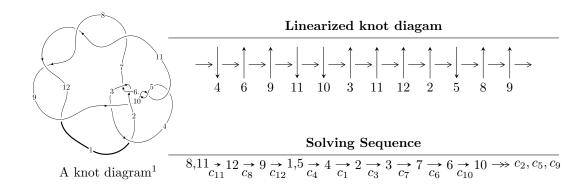
$12n_{0773} \ (K12n_{0773})$



Ideals for irreducible components² of X_{par}

$$\begin{split} I_1^u &= \langle -2.99252 \times 10^{54} u^{58} - 4.27398 \times 10^{53} u^{57} + \dots + 1.08123 \times 10^{55} b - 5.85001 \times 10^{54}, \\ &- 8.90269 \times 10^{54} u^{58} + 1.21104 \times 10^{55} u^{57} + \dots + 1.08123 \times 10^{55} a - 4.30153 \times 10^{56}, \ u^{59} - u^{58} + \dots + 32u - 10^{56} u^{59} - 10^{56} u^{5$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 74 representations.

¹The 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).

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

 $I. \\ I_1^u = \langle -2.99 \times 10^{54} u^{58} - 4.27 \times 10^{53} u^{57} + \dots + 1.08 \times 10^{55} b - 5.85 \times 10^{54}, \ -8.90 \times 10^{54} u^{58} + 1.21 \times 10^{55} u^{57} + \dots + 1.08 \times 10^{55} a - 4.30 \times 10^{56}, \ u^{59} - u^{58} + \dots + 32 u + 1 \rangle$

(i) Arc colorings

$$a_{8} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_{9} = \begin{pmatrix} u \\ -u^{3} + u \end{pmatrix}$$

$$a_{1} = \begin{pmatrix} 0.823385u^{58} - 1.12006u^{57} + \dots - 182.375u + 39.7837 \\ 0.276770u^{58} + 0.0395289u^{57} + \dots - 0.767568u + 0.541051 \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} 1.10016u^{58} - 1.08053u^{57} + \dots - 183.142u + 40.3248 \\ 0.276770u^{58} + 0.0395289u^{57} + \dots - 0.767568u + 0.541051 \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} 1.4033130u^{58} - 1.08053u^{57} + \dots - 183.142u + 40.3248 \\ 0.276770u^{58} + 0.0395289u^{57} + \dots - 0.767568u + 0.541051 \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} 0.483130u^{58} - 1.09918u^{57} + \dots - 102.939u + 26.7972 \\ 0.581937u^{58} + 0.395648u^{57} + \dots - 24.3369u - 0.367973 \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} 1.22082u^{58} - 0.989380u^{57} + \dots - 182.255u + 40.3858 \\ -0.00126625u^{58} - 0.0204342u^{57} + \dots + 7.01822u + 0.813889 \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} -u \\ u \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} 1.84485u^{58} - 1.31590u^{57} + \dots - 229.979u + 52.0102 \\ -0.472356u^{58} - 0.328224u^{57} + \dots + 6.26065u + 0.900727 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -1.94402u^{58} + 0.476904u^{57} + \dots + 139.733u - 20.1503 \\ 0.316358u^{58} - 0.0242382u^{57} + \dots + 0.806174u - 0.303933 \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = $1.27874u^{58} + 0.721176u^{57} + \cdots 64.5120u 5.58630$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{59} - 9u^{58} + \dots - 108u + 61$
c_2, c_6	$u^{59} - 2u^{58} + \dots + 5154u - 773$
<i>c</i> ₃	$u^{59} - u^{58} + \dots + 23u - 43$
c_4, c_5, c_{10}	$u^{59} - u^{58} + \dots + 102u + 1$
c_7, c_8, c_{11} c_{12}	$u^{59} - u^{58} + \dots + 32u + 1$
<i>c</i> ₉	$u^{59} + 2u^{58} + \dots + 1624u - 1291$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{59} - 33y^{58} + \dots + 229434y - 3721$
c_2, c_6	$y^{59} - 40y^{58} + \dots + 18677570y - 597529$
c_3	$y^{59} + 31y^{58} + \dots - 87965y - 1849$
c_4, c_5, c_{10}	$y^{59} + 59y^{58} + \dots + 10138y - 1$
c_7, c_8, c_{11} c_{12}	$y^{59} - 53y^{58} + \dots + 1298y - 1$
<i>c</i> ₉	$y^{59} - 32y^{58} + \dots + 37592492y - 1666681$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.264830 + 0.931382I		
a = -0.880909 + 0.866071I	3.66563 - 9.89323I	7.43337 + 6.27116I
b = -0.36110 - 1.47905I		
u = -0.264830 - 0.931382I		
a = -0.880909 - 0.866071I	3.66563 + 9.89323I	7.43337 - 6.27116I
b = -0.36110 + 1.47905I		
u = 0.119168 + 0.889846I		
a = -0.474592 - 0.195483I	-2.19237 + 5.25619I	4.23819 - 5.61197I
b = -0.924980 + 0.347695I		
u = 0.119168 - 0.889846I		
a = -0.474592 + 0.195483I	-2.19237 - 5.25619I	4.23819 + 5.61197I
b = -0.924980 - 0.347695I		
u = -0.056257 + 0.894737I		
a = 0.654957 - 0.276427I	0.33927 - 2.65716I	7.07647 + 3.01945I
b = 0.165353 + 1.327120I		
u = -0.056257 - 0.894737I		
a = 0.654957 + 0.276427I	0.33927 + 2.65716I	7.07647 - 3.01945I
b = 0.165353 - 1.327120I		
u = 1.110480 + 0.149176I		
a = -0.444606 + 1.134310I	1.42201 + 0.91602I	0
b = -0.394307 - 0.923884I		
u = 1.110480 - 0.149176I		
a = -0.444606 - 1.134310I	1.42201 - 0.91602I	0
b = -0.394307 + 0.923884I		
u = 0.876618		
a = -0.237869	1.47441	6.10400
b = 0.547477		
u = -0.946025 + 0.638857I		
a = -0.59515 + 1.28359I	5.77333 + 4.51012I	0
b = 0.31286 - 1.38423I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.946025 - 0.638857I		
a = -0.59515 - 1.28359I	5.77333 - 4.51012I	0
b = 0.31286 + 1.38423I		
u = -1.140520 + 0.188136I		
a = 0.22857 - 1.65457I	3.89321 - 2.91811I	0
b = 0.284860 + 0.755221I		
u = -1.140520 - 0.188136I		
a = 0.22857 + 1.65457I	3.89321 + 2.91811I	0
b = 0.284860 - 0.755221I		
u = -0.102126 + 0.801805I		
a = 0.688121 - 0.400215I	-4.03916 + 0.26803I	-0.184983 + 0.165110I
b = 0.498536 - 0.055398I		
u = -0.102126 - 0.801805I		
a = 0.688121 + 0.400215I	-4.03916 - 0.26803I	-0.184983 - 0.165110I
b = 0.498536 + 0.055398I		
u = 0.373831 + 0.712271I		
a = 1.14505 + 1.41925I	-0.31798 + 2.01882I	8.09002 - 3.66839I
b = 0.142122 - 1.261840I		
u = 0.373831 - 0.712271I		
a = 1.14505 - 1.41925I	-0.31798 - 2.01882I	8.09002 + 3.66839I
b = 0.142122 + 1.261840I		
u = 1.115350 + 0.452791I		
a = -0.361726 + 0.339593I	0.891108 - 0.463329I	0
b = 0.824800 + 0.143591I		
u = 1.115350 - 0.452791I		
a = -0.361726 - 0.339593I	0.891108 + 0.463329I	0
b = 0.824800 - 0.143591I		
u = -1.22285		
a = 2.11329	6.34821	0
b = -0.00993937		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.069536 + 0.754894I		
a = -0.723962 - 0.583814I	-0.414783 + 0.267178I	7.48415 + 0.42381I
b = -0.659233 + 0.942112I		
u = 0.069536 - 0.754894I		
a = -0.723962 + 0.583814I	-0.414783 - 0.267178I	7.48415 - 0.42381I
b = -0.659233 - 0.942112I		
u = 1.246900 + 0.128101I		
a = 0.84306 + 3.72917I	11.78010 + 4.24713I	0
b = 0.08010 - 1.59038I		
u = 1.246900 - 0.128101I		
a = 0.84306 - 3.72917I	11.78010 - 4.24713I	0
b = 0.08010 + 1.59038I		
u = -1.201700 + 0.358369I		
a = -0.431364 + 0.406062I	-0.66555 - 4.45229I	0
b = -0.609338 - 0.225740I		
u = -1.201700 - 0.358369I		
a = -0.431364 - 0.406062I	-0.66555 + 4.45229I	0
b = -0.609338 + 0.225740I		
u = 1.25489		
a = -0.0869145	6.69122	0
b = -1.08085		
u = 1.244200 + 0.194794I		
a = 2.26800 + 1.51808I	11.09980 - 0.10055I	0
b = -0.014499 - 1.386050I		
u = 1.244200 - 0.194794I		
a = 2.26800 - 1.51808I	11.09980 + 0.10055I	0
b = -0.014499 + 1.386050I		
u = 1.238570 + 0.325666I		
a = -0.680385 - 0.614714I	3.20240 + 3.63807I	0
b = 0.919436 + 0.808126I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.238570 - 0.325666I		
a = -0.680385 + 0.614714I	3.20240 - 3.63807I	0
b = 0.919436 - 0.808126I		
u = -1.197820 + 0.461395I		
a = 0.413885 - 1.277320I	3.87163 - 2.16113I	0
b = -0.062854 + 1.223650I		
u = -1.197820 - 0.461395I		
a = 0.413885 + 1.277320I	3.87163 + 2.16113I	0
b = -0.062854 - 1.223650I		
u = -1.278360 + 0.133753I		
a = -0.40499 + 2.53862I	12.17270 + 0.50014I	0
b = 0.15595 - 1.70029I		
u = -1.278360 - 0.133753I		
a = -0.40499 - 2.53862I	12.17270 - 0.50014I	0
b = 0.15595 + 1.70029I		
u = -1.280870 + 0.190846I		
a = -0.94846 + 1.39858I	11.52880 - 5.38344I	0
b = -0.41025 - 1.44460I		
u = -1.280870 - 0.190846I		
a = -0.94846 - 1.39858I	11.52880 + 5.38344I	0
b = -0.41025 + 1.44460I		
u = 1.310030 + 0.412002I		
a = -1.39880 - 1.65413I	4.59729 + 7.32898I	0
b = -0.20326 + 1.40973I		
u = 1.310030 - 0.412002I		
a = -1.39880 + 1.65413I	4.59729 - 7.32898I	0
b = -0.20326 - 1.40973I		
u = -1.351480 + 0.338312I		
a = 0.63432 - 2.00827I	4.10202 - 4.20256I	0
b = 0.466718 + 1.200170I		

Solutions to I_1^u	$\int \sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.351480 - 0.338312I		
a = 0.63432 + 2.00827I	4.10202 + 4.20256I	0
b = 0.466718 - 1.200170I		
u = -1.350240 + 0.403220I		
a = -0.077062 - 1.105780I	2.41229 - 9.89482I	0
b = 0.962009 + 0.506118I		
u = -1.350240 - 0.403220I		
a = -0.077062 + 1.105780I	2.41229 + 9.89482I	0
b = 0.962009 - 0.506118I		
u = 1.364290 + 0.355675I		
a = -0.206900 - 0.650879I	0.60420 + 3.90700I	0
b = -0.400650 + 0.135843I		
u = 1.364290 - 0.355675I		
a = -0.206900 + 0.650879I	0.60420 - 3.90700I	0
b = -0.400650 - 0.135843I		
u = 0.039755 + 0.542419I		
a = -0.31991 - 1.70017I	7.42461 + 2.75741I	6.63280 - 3.03516I
b = 0.203089 - 1.373340I		
u = 0.039755 - 0.542419I		
a = -0.31991 + 1.70017I	7.42461 - 2.75741I	6.63280 + 3.03516I
b = 0.203089 + 1.373340I		
u = 1.43665 + 0.39904I		
a = 1.11035 + 2.24747I	9.0502 + 14.6852I	0
b = 0.35346 - 1.55119I		
u = 1.43665 - 0.39904I		
a = 1.11035 - 2.24747I	9.0502 - 14.6852I	0
b = 0.35346 + 1.55119I		
u = -1.48426 + 0.30904I		
a = -1.02295 + 2.49547I	5.68590 - 5.85795I	0
b = -0.143027 - 1.403930I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.48426 - 0.30904I		
a = -1.02295 - 2.49547I	5.68590 + 5.85795I	0
b = -0.143027 + 1.403930I		
u = 0.037620 + 0.395735I		
a = -1.287690 + 0.574122I	8.09559 - 2.39337I	3.23244 + 2.80367I
b = -0.12095 - 1.59031I		
u = 0.037620 - 0.395735I		
a = -1.287690 - 0.574122I	8.09559 + 2.39337I	3.23244 - 2.80367I
b = -0.12095 + 1.59031I		
u = -1.63857		
a = 0.548716	10.4567	0
b = -0.409341		
u = 0.152119 + 0.317487I		
a = -0.986059 - 0.348852I	0.300017 + 0.906434I	6.10890 - 7.39998I
b = -0.207133 + 0.562199I		
u = 0.152119 - 0.317487I		
a = -0.986059 + 0.348852I	0.300017 - 0.906434I	6.10890 + 7.39998I
b = -0.207133 - 0.562199I		
u = 1.67470 + 0.08059I		
a = 0.33916 + 2.32988I	15.0554 - 2.0908I	0
b = -0.161751 - 1.374090I		
u = 1.67470 - 0.08059I		
a = 0.33916 - 2.32988I	15.0554 + 2.0908I	0
b = -0.161751 + 1.374090I		
u = -0.0275139		
a = 45.5029	2.83333	-3.70810
b = 0.560752		

$$II. \\ I_2^u = \langle 2u^{14} - u^{13} + \dots + b + 2, -2u^{14} + 2u^{13} + \dots + a + 1, u^{15} - 9u^{13} + \dots + 2u + 1 \rangle$$

(i) Arc colorings

$$a_{8} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_{9} = \begin{pmatrix} u \\ -u^{3} + u \end{pmatrix}$$

$$a_{1} = \begin{pmatrix} 2u^{14} - 2u^{13} + \dots + u - 1 \\ -2u^{14} + u^{13} + \dots + 18u^{2} - 2 \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} -u^{13} + u^{12} + \dots + u - 3 \\ -2u^{14} + u^{13} + \dots + 18u^{2} - 2 \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} 2u^{13} - 2u^{12} + \dots + 16u^{2} + 3 \\ u^{14} - u^{13} + \dots + 10u^{2} + 3u \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} 2u^{13} - 2u^{12} + \dots - 16u^{2} + 3 \\ u^{14} - u^{13} + \dots + 16u^{2} - 2 \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} u^{14} + u^{13} + \dots + 16u^{2} - 2 \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} -u \\ u \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} 2u^{13} - 3u^{12} + \dots - 11u + 2 \\ 2u^{14} - 2u^{13} + \dots + 4u + 3 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -u^{12} + 7u^{10} - 18u^{8} + u^{7} + 19u^{6} - 4u^{5} - 3u^{4} + 5u^{3} - 6u^{2} - 3u + 2 \end{pmatrix}$$

(ii) Obstruction class = 1

(iii) Cusp Shapes =
$$-2u^{14} - 2u^{13} + 16u^{12} + 15u^{11} - 49u^{10} - 41u^9 + 70u^8 + 45u^7 - 38u^6 - 5u^5 - 10u^4 - 22u^3 + 10u^2 + 5u + 15$$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{15} - 2u^{14} + \dots + 6u + 1$
c_2	$u^{15} - 3u^{14} + \dots + 2u^2 + 1$
c_3	$u^{15} + u^{13} + \dots + u + 1$
c_4, c_5	$u^{15} + 9u^{13} + \dots - 2u + 1$
c_6	$u^{15} + 3u^{14} + \dots - 2u^2 - 1$
c_{7}, c_{8}	$u^{15} - 9u^{13} + \dots + 2u - 1$
c_9	$u^{15} + u^{14} + \dots + u^2 + 1$
c_{10}	$u^{15} + 9u^{13} + \dots - 2u - 1$
c_{11}, c_{12}	$u^{15} - 9u^{13} + \dots + 2u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{15} - 2y^{14} + \dots + 40y - 1$
c_2, c_6	$y^{15} - 13y^{14} + \dots - 4y - 1$
<i>c</i> ₃	$y^{15} + 2y^{14} + \dots + 9y - 1$
c_4, c_5, c_{10}	$y^{15} + 18y^{14} + \dots + 12y - 1$
c_7, c_8, c_{11} c_{12}	$y^{15} - 18y^{14} + \dots + 16y - 1$
<i>C</i> 9	$y^{15} - 9y^{14} + \dots - 2y - 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.19201		
a = -1.00785	5.66959	5.09880
b = -0.669803		
u = -1.238320 + 0.078062I		
a = -1.29573 + 2.90295I	11.83090 - 3.16023I	13.91924 + 0.52022I
b = -0.15885 - 1.58766I		
u = -1.238320 - 0.078062I		
a = -1.29573 - 2.90295I	11.83090 + 3.16023I	13.91924 - 0.52022I
b = -0.15885 + 1.58766I		
u = 0.151779 + 0.741588I		
a = -1.040030 - 0.584316I	-1.79394 + 1.02194I	2.84820 - 1.54812I
b = -0.260278 + 0.958370I		
u = 0.151779 - 0.741588I		
a = -1.040030 + 0.584316I	-1.79394 - 1.02194I	2.84820 + 1.54812I
b = -0.260278 - 0.958370I		
u = 1.237890 + 0.308571I		
a = -0.061952 - 0.614896I	1.57563 + 2.68429I	8.08777 - 2.30509I
b = 0.371777 + 0.708479I		
u = 1.237890 - 0.308571I		
a = -0.061952 + 0.614896I	1.57563 - 2.68429I	8.08777 + 2.30509I
b = 0.371777 - 0.708479I		
u = -1.40336 + 0.36290I		
a = 0.87716 - 1.84733I	3.20409 - 5.09393I	7.73695 + 4.78673I
b = 0.265089 + 1.156520I		
u = -1.40336 - 0.36290I		
a = 0.87716 + 1.84733I	3.20409 + 5.09393I	7.73695 - 4.78673I
b = 0.265089 - 1.156520I		
u = 0.458300		
a = -2.74392	3.24621	16.6550
b = 0.467982		

Solutions to I_2^u	$\int \sqrt{-1}(\operatorname{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.58675 + 0.04787I		
a = 0.53316 + 2.42451I	15.8645 - 1.5465I	16.0962 - 0.3491I
b = -0.12509 - 1.45929I		
u = 1.58675 - 0.04787I		
a = 0.53316 - 2.42451I	15.8645 + 1.5465I	16.0962 + 0.3491I
b = -0.12509 + 1.45929I		
u = -1.60528		
a = 0.693477	10.6979	25.1980
b = -0.282393		
u = -0.357259 + 0.149534I		
a = -2.48346 + 0.24716I	8.86003 + 2.31551I	14.8358 - 1.2107I
b = 0.14946 - 1.51822I		
u = -0.357259 - 0.149534I		
a = -2.48346 - 0.24716I	8.86003 - 2.31551I	14.8358 + 1.2107I
b = 0.14946 + 1.51822I		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$ (u^{15} - 2u^{14} + \dots + 6u + 1)(u^{59} - 9u^{58} + \dots - 108u + 61) $
c_2	$(u^{15} - 3u^{14} + \dots + 2u^2 + 1)(u^{59} - 2u^{58} + \dots + 5154u - 773)$
c_3	$(u^{15} + u^{13} + \dots + u + 1)(u^{59} - u^{58} + \dots + 23u - 43)$
c_4,c_5	$(u^{15} + 9u^{13} + \dots - 2u + 1)(u^{59} - u^{58} + \dots + 102u + 1)$
c_6	$(u^{15} + 3u^{14} + \dots - 2u^2 - 1)(u^{59} - 2u^{58} + \dots + 5154u - 773)$
c_7, c_8	$(u^{15} - 9u^{13} + \dots + 2u - 1)(u^{59} - u^{58} + \dots + 32u + 1)$
<i>c</i> ₉	$(u^{15} + u^{14} + \dots + u^2 + 1)(u^{59} + 2u^{58} + \dots + 1624u - 1291)$
c_{10}	$(u^{15} + 9u^{13} + \dots - 2u - 1)(u^{59} - u^{58} + \dots + 102u + 1)$
c_{11}, c_{12}	$(u^{15} - 9u^{13} + \dots + 2u + 1)(u^{59} - u^{58} + \dots + 32u + 1)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$ (y^{15} - 2y^{14} + \dots + 40y - 1)(y^{59} - 33y^{58} + \dots + 229434y - 3721) $
c_2, c_6	$(y^{15} - 13y^{14} + \dots - 4y - 1)$ $\cdot (y^{59} - 40y^{58} + \dots + 18677570y - 597529)$
c_3	$(y^{15} + 2y^{14} + \dots + 9y - 1)(y^{59} + 31y^{58} + \dots - 87965y - 1849)$
c_4, c_5, c_{10}	$(y^{15} + 18y^{14} + \dots + 12y - 1)(y^{59} + 59y^{58} + \dots + 10138y - 1)$
c_7, c_8, c_{11} c_{12}	$(y^{15} - 18y^{14} + \dots + 16y - 1)(y^{59} - 53y^{58} + \dots + 1298y - 1)$
<i>C</i> 9	$(y^{15} - 9y^{14} + \dots - 2y - 1)$ $\cdot (y^{59} - 32y^{58} + \dots + 37592492y - 1666681)$