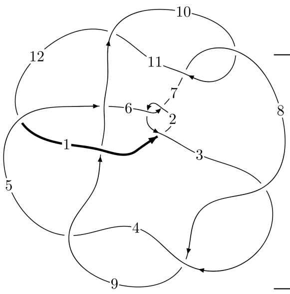
$12n_{0351}$ $(K12n_{0351})$



A knot diagram[1]

Linearized knot diagam

$$\to \underset{3}{\downarrow} \to \underset{6}{\uparrow} \to \underset{8}{\downarrow} \to \underset{9}{\downarrow} \to \underset{10}{\uparrow} \to \underset{2}{\uparrow} \to \underset{11}{\uparrow} \to \underset{4}{\downarrow} \to \underset{1}{\downarrow} \to \underset{8}{\uparrow} \to \underset{10}{\downarrow} \to \underset{5}{\uparrow} \to$$

Solving Sequence

$$4{,}9 \xrightarrow[c_4]{} 1{,}5 \xrightarrow[c_9]{} 10 \xrightarrow[c_5]{} 6 \xrightarrow[c_8]{} 8 \xrightarrow[c_3]{} 3 \xrightarrow[c_2]{} 2 \xrightarrow[c_{12}]{} 12 \xrightarrow[c_{11}]{} 11 \xrightarrow[c_7]{} 7 \twoheadrightarrow c_1, c_6, c_{10}$$

Ideals for irreducible components[2] of $X_{\mathbf{par}}$

$$\begin{aligned} I_1^u = \langle & -8.11138 \times 10^{47} u^{32} + 5.57581 \times 10^{46} u^{31} + \cdots + 2.13390 \times 10^{50} b + 2.41977 \times 10^{50}, \\ & -2.54097 \times 10^{51} u^{32} + 4.05282 \times 10^{50} u^{31} + \cdots + 3.69165 \times 10^{52} a + 5.61038 \times 10^{53}, \\ & u^{33} - u^{32} + \cdots - 106u + 173 \rangle \\ I_2^u = \langle & -3u^{17} + 4u^{16} + \cdots + 5b + 14,\ -19u^{17} + 2u^{16} + \cdots + 5a + 57,\ u^{18} - 9u^{16} + \cdots - 2u + 1 \rangle \end{aligned}$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 51 representations.

[1] 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`).

[2] All coefficients of polynomials are rational numbers. But the coefficients are sometimes approximated in decimal forms when there is not enough margin.

I. $\boldsymbol{I_1^u = \langle -8.11\times 10^{47}u^{32} + 5.58\times 10^{46}u^{31} + \cdots + 2.13\times 10^{50}b + 2.42\times 10^{50},\ -2.54\times 10^{51}u^{32} + 4.05\times 10^{50}u^{31} + \cdots + 3.69\times 10^{52}a + 5.61\times 10^{53},\ u^{33} - u^{32} + \cdots - 106u + 173\rangle}$

(i) Arc colorings

$$a_4 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_1 = \begin{pmatrix} 0.0688301u^{32} - 0.0109783u^{31} + \cdots - 9.38616u - 15.1975 \\ 0.00380120u^{32} - 0.000261296u^{31} + \cdots - 0.303063u - 1.13396 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 0.0543141u^{32} - 0.00150099u^{31} + \cdots - 4.29999u - 10.4669 \\ 0.0221013u^{32} - 0.00297101u^{31} + \cdots - 2.07083u - 4.65333 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} 0.0489761u^{32} - 0.00899494u^{31} + \cdots - 8.55348u - 10.6501 \\ 0.0256145u^{32} - 0.00501638u^{31} + \cdots - 3.35159u - 6.23090 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} u \\ u \end{pmatrix}$$

$$a_3 = \begin{pmatrix} -u^2 + 1 \\ -u^2 \end{pmatrix}$$

$$a_2 = \begin{pmatrix} 0.0537482u^{32} - 0.00848860u^{31} + \cdots - 7.70974u - 11.3277 \\ 0.0361202u^{32} - 0.00667465u^{31} + \cdots - 4.42265u - 7.79409 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 0.112795u^{32} - 0.0212720u^{31} + \cdots - 14.8584u - 24.0719 \\ 0.0284035u^{32} - 0.00624395u^{31} + \cdots - 4.33982u - 6.95902 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 0.0229993u^{32} + 0.000676223u^{31} + \cdots - 2.29755u - 4.63975 \\ -0.00921351u^{32} - 0.000793791u^{31} + \cdots - 0.0683872u + 1.17380 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} -0.0659945u^{32} + 0.0142976u^{31} + \cdots + 11.0084u + 15.2187 \\ -0.00761661u^{32} - 0.0000982334u^{31} + \cdots + 2.05310u + 2.41838 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= -0.280111u^{32} + 0.0673788u^{31} + \cdots + 28.5160u + 51.9527$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{33} + 31u^{32} + \cdots - 108u - 1$
c_2, c_6	$u^{33} - 3u^{32} + \cdots + 10u + 1$
c_3, c_4, c_8	$u^{33} - u^{32} + \cdots - 106u + 173$
c_5	$u^{33} + u^{32} + \cdots + 72271u + 18731$
c_7, c_{10}	$u^{33} + u^{32} + \cdots + 698u + 391$
c_9	$u^{33} - 5u^{32} + \cdots + 28u - 11$
c_{11}	$u^{33} + 55u^{32} + \cdots - 781200u - 152881$
c_{12}	$u^{33} - u^{32} + \cdots - 428u + 187$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{33} - 45y^{32} + \cdots - 3432y - 1$
c_2, c_6	$y^{33} + 31y^{32} + \cdots - 108y - 1$
c_3, c_4, c_8	$y^{33} - 43y^{32} + \cdots + 292880y - 29929$
c_5	$y^{33} + 77y^{32} + \cdots - 6878739425y - 350850361$
c_7, c_{10}	$y^{33} + 55y^{32} + \cdots - 781200y - 152881$
c_9	$y^{33} - 7y^{32} + \cdots - 778y - 121$
c_{11}	$y^{33} - 149y^{32} + \cdots - 105634649180y - 23372600161$
c_{12}	$y^{33} + 57y^{32} + \cdots - 214378y - 34969$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.881268 + 0.494274I$ $a = 1.028140 - 0.103856I$ $b = 0.744044 - 0.822426I$	$-7.71312 - 1.78537I$	$-0.85266 + 4.65753I$
$u = 0.881268 - 0.494274I$ $a = 1.028140 + 0.103856I$ $b = 0.744044 + 0.822426I$	$-7.71312 + 1.78537I$	$-0.85266 - 4.65753I$
$u = 0.806093 + 0.733762I$ $a = -0.048706 + 0.852350I$ $b = -0.516099 + 0.675037I$	$-0.34629 + 2.42589I$	$-3.38432 - 3.33398I$
$u = 0.806093 - 0.733762I$ $a = -0.048706 - 0.852350I$ $b = -0.516099 - 0.675037I$	$-0.34629 - 2.42589I$	$-3.38432 + 3.33398I$
$u = -0.798281 + 0.311266I$ $a = -0.571033 - 0.836849I$ $b = -0.50701 + 2.28619I$	$-12.33120 + 1.02478I$	$-6.59141 + 2.03554I$
$u = -0.798281 - 0.311266I$ $a = -0.571033 + 0.836849I$ $b = -0.50701 - 2.28619I$	$-12.33120 - 1.02478I$	$-6.59141 - 2.03554I$
$u = 0.811379 + 0.055840I$ $a = -0.54698 + 1.54986I$ $b = -0.429316 + 0.085080I$	$-0.52878 + 4.48782I$	$-5.13520 - 5.73220I$
$u = 0.811379 - 0.055840I$ $a = -0.54698 - 1.54986I$ $b = -0.429316 - 0.085080I$	$-0.52878 - 4.48782I$	$-5.13520 + 5.73220I$
$u = -0.461701 + 0.612571I$ $a = 0.658166 - 0.583233I$ $b = -0.093739 + 0.146770I$	$0.081645 + 1.028670I$	$0.74020 - 3.82977I$
$u = -0.461701 - 0.612571I$ $a = 0.658166 + 0.583233I$ $b = -0.093739 - 0.146770I$	$0.081645 - 1.028670I$	$0.74020 + 3.82977I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.520817+0.403957I$ $a=-0.656947+0.628673I$ $b=-0.343599+0.875931I$	$0.07174+2.09017I$	$-0.84653-3.88061I$
$u=-0.520817-0.403957I$ $a=-0.656947-0.628673I$ $b=-0.343599-0.875931I$	$0.07174-2.09017I$	$-0.84653+3.88061I$
$u=0.541626+0.352089I$ $a=-1.57063+0.32219I$ $b=-0.995588+0.334486I$	$-3.54901-0.96370I$	$-7.30947+1.19731I$
$u=0.541626-0.352089I$ $a=-1.57063-0.32219I$ $b=-0.995588-0.334486I$	$-3.54901+0.96370I$	$-7.30947-1.19731I$
$u=1.367540+0.181430I$ $a=-0.883343-0.451036I$ $b=-1.89904-0.40011I$	$-5.14586-3.44515I$	$-3.74377+8.43324I$
$u=1.367540-0.181430I$ $a=-0.883343+0.451036I$ $b=-1.89904+0.40011I$	$-5.14586+3.44515I$	$-3.74377-8.43324I$
$u=-0.263257+0.516809I$ $a=0.905386-0.059376I$ $b=0.061869+0.214108I$	$0.112234+1.091570I$	$1.51179-6.02970I$
$u=-0.263257-0.516809I$ $a=0.905386+0.059376I$ $b=0.061869-0.214108I$	$0.112234-1.091570I$	$1.51179+6.02970I$
$u=-1.46377$ $a=-0.611776$ $b=-1.74803$	-3.79571	-0.350320
$u=-1.55168+0.23953I$ $a=0.606082-0.442133I$ $b=2.42916+0.21011I$	$-10.65780+3.51663I$	$-5.96026+0.I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = -1.55168 - 0.23953I$ $a = 0.606082 + 0.442133I$ $b = 2.42916 - 0.21011I$	$-10.65780 - 3.51663I$	$-5.96026 + 0.I$
$u = 1.56741 + 0.23862I$ $a = 0.584803 - 0.034792I$ $b = 1.91823 + 0.02308I$	$-7.35813 - 4.59771I$	0
$u = 1.56741 - 0.23862I$ $a = 0.584803 + 0.034792I$ $b = 1.91823 - 0.02308I$	$-7.35813 + 4.59771I$	0
$u = -0.95012 + 1.51122I$ $a = -0.549793 - 0.409182I$ $b = -0.633085 + 0.187322I$	$-14.0224 + 4.9505I$	0
$u = -0.95012 - 1.51122I$ $a = -0.549793 + 0.409182I$ $b = -0.633085 - 0.187322I$	$-14.0224 - 4.9505I$	0
$u = 1.79395 + 0.15288I$ $a = 0.565816 - 0.803329I$ $b = 1.74296 - 0.32540I$	$17.5407 - 3.2542I$	0
$u = 1.79395 - 0.15288I$ $a = 0.565816 + 0.803329I$ $b = 1.74296 + 0.32540I$	$17.5407 + 3.2542I$	0
$u = -1.79808 + 0.17463I$ $a = -0.774547 + 0.627665I$ $b = -2.05265 + 0.43342I$	$-17.5402 + 4.7342I$	0
$u = -1.79808 - 0.17463I$ $a = -0.774547 - 0.627665I$ $b = -2.05265 - 0.43342I$	$-17.5402 - 4.7342I$	0
$u = 1.81040 + 0.47252I$ $a = 0.816894 + 0.399455I$ $b = 2.24901 + 0.45557I$	$16.7809 - 12.3351I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 1.81040 - 0.47252I$ $a = 0.816894 - 0.399455I$ $b = 2.24901 - 0.45557I$	$16.7809 + 12.3351I$	0
$u = -2.00385 + 0.04235I$ $a = 0.612520 - 0.356931I$ $b = 1.69886 - 0.37474I$	$-11.89190 + 2.84171I$	0
$u = -2.00385 - 0.04235I$ $a = 0.612520 + 0.356931I$ $b = 1.69886 + 0.37474I$	$-11.89190 - 2.84171I$	0

II. $\boldsymbol{I_2^u = \langle -3u^{17} + 4u^{16} + \cdots + 5b + 14,\ -19u^{17} + 2u^{16} + \cdots + 5a + 57,\ u^{18} - 9u^{16} + \cdots - 2u + 1\rangle}$

(i) Arc colorings

$$a_4 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_1 = \begin{pmatrix} \frac{19}{5}u^{17} - \frac{2}{5}u^{16} + \cdots - \frac{62}{5}u - \frac{57}{5} \\ \frac{3}{5}u^{17} - \frac{4}{5}u^{16} + \cdots - \frac{9}{5}u - \frac{14}{5} \end{pmatrix}$$

$$a_5 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} \frac{9}{5}u^{17} - \frac{2}{5}u^{16} + \cdots - \frac{12}{5}u - \frac{47}{5} \\ -\frac{9}{5}u^{17} - \frac{18}{5}u^{16} + \cdots - \frac{8}{5}u + \frac{2}{5} \end{pmatrix}$$

$$a_6 = \begin{pmatrix} -5.40000u^{17} - 3.80000u^{16} + \cdots + 4.20000u + 11.2000 \\ -2.60000u^{17} - 3.20000u^{16} + \cdots - 2.20000u + 3.80000 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} u \\ u \end{pmatrix}$$

$$a_3 = \begin{pmatrix} -u^2 + 1 \\ -u^2 \end{pmatrix}$$

$$a_2 = \begin{pmatrix} 2u^{17} - 3u^{16} + \cdots - 13u - 6 \\ -\frac{4}{5}u^{17} - \frac{28}{5}u^{16} + \cdots - \frac{33}{5}u - \frac{3}{5} \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} \frac{12}{5}u^{17} - \frac{16}{5}u^{16} + \cdots - \frac{76}{5}u - \frac{41}{5} \\ -u^{17} - 5u^{16} + \cdots - 6u^2 - 6u \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} \frac{2}{5}u^{17} - \frac{16}{5}u^{16} + \cdots - \frac{26}{5}u - \frac{31}{5} \\ -3.20000u^{17} - 6.40000u^{16} + \cdots - 4.40000u + 3.60000 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} -6.60000u^{17} - 6.20000u^{16} + \cdots + 7.80000u + 15.8000 \\ -3.40000u^{17} - 5.80000u^{16} + \cdots - 3.80000u + 7.20000 \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= -2u^{17} + 5u^{16} + 27u^{15} - 34u^{14} - 125u^{13} + 95u^{12} + 270u^{11} - 122u^{10} - 239u^9 + 41u^8 - 99u^7 + 37u^6 + 384u^5 + 32u^4 - 257u^3 - 88u^2 + 25u + 15$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{18} - 12u^{17} + \cdots - 16u + 1$
c_2	$u^{18} - 2u^{17} + \cdots - 2u + 1$
c_3, c_4	$u^{18} - 9u^{16} + \cdots - 2u + 1$
c_5	$u^{18} + 7u^{16} + \cdots + u + 1$
c_6	$u^{18} + 2u^{17} + \cdots + 2u + 1$
c_7	$u^{18} + 8u^{16} + \cdots + 4u^2 + 1$
c_8	$u^{18} - 9u^{16} + \cdots + 2u + 1$
c_9	$u^{18} - 6u^{17} + \cdots - 2u + 1$
c_{10}	$u^{18} + 8u^{16} + \cdots + 4u^2 + 1$
c_{11}	$u^{18} + 16u^{17} + \cdots + 8u + 1$
c_{12}	$u^{18} + 11u^{16} + \cdots - 2u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{18} - 20y^{16} + \cdots - 24y + 1$
c_2, c_6	$y^{18} + 12y^{17} + \cdots + 16y + 1$
c_3, c_4, c_8	$y^{18} - 18y^{17} + \cdots - 20y + 1$
c_5	$y^{18} + 14y^{17} + \cdots - 3y + 1$
c_7, c_{10}	$y^{18} + 16y^{17} + \cdots + 8y + 1$
c_9	$y^{18} + 2y^{17} + \cdots - 10y + 1$
c_{11}	$y^{18} - 24y^{17} + \cdots + 4y + 1$
c_{12}	$y^{18} + 22y^{17} + \cdots + 14y + 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.085759 + 1.011970I$ $a = 0.071482 + 0.659946I$ $b = -0.330517 + 0.071724I$	$-1.08613 - 0.96816I$	$-6.34211 + 0.57071I$
$u = 0.085759 - 1.011970I$ $a = 0.071482 - 0.659946I$ $b = -0.330517 - 0.071724I$	$-1.08613 + 0.96816I$	$-6.34211 - 0.57071I$
$u = -1.114560 + 0.293820I$ $a = -0.931989 + 0.046707I$ $b = -1.33734 - 0.90053I$	$-8.46698 + 1.31286I$	$-9.83068 + 0.32018I$
$u = -1.114560 - 0.293820I$ $a = -0.931989 - 0.046707I$ $b = -1.33734 + 0.90053I$	$-8.46698 - 1.31286I$	$-9.83068 - 0.32018I$
$u = 1.300570 + 0.029273I$ $a = -0.536713 - 1.019510I$ $b = -1.28702 - 0.60196I$	$-2.94807 - 4.42128I$	$-4.69559 + 5.41775I$
$u = 1.300570 - 0.029273I$ $a = -0.536713 + 1.019510I$ $b = -1.28702 + 0.60196I$	$-2.94807 + 4.42128I$	$-4.69559 - 5.41775I$
$u = -1.306820 + 0.073942I$ $a = 0.030062 + 0.945777I$ $b = 0.663121 + 0.218291I$	$-3.48940 + 1.60644I$	$-4.34335 - 1.67805I$
$u = -1.306820 - 0.073942I$ $a = 0.030062 - 0.945777I$ $b = 0.663121 - 0.218291I$	$-3.48940 - 1.60644I$	$-4.34335 + 1.67805I$
$u = 1.232400 + 0.491104I$ $a = 0.340655 - 0.011913I$ $b = 1.05787 - 1.88552I$	$-12.53040 - 2.23082I$	$-8.19150 + 3.26212I$
$u = 1.232400 - 0.491104I$ $a = 0.340655 + 0.011913I$ $b = 1.05787 + 1.88552I$	$-12.53040 + 2.23082I$	$-8.19150 - 3.26212I$

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 1.329640 + 0.238506I$ $a = -1.026160 - 0.341518I$ $b = -2.02234 - 0.39359I$	$-5.47647 - 2.87572I$	$-10.17496 - 1.27830I$
$u = 1.329640 - 0.238506I$ $a = -1.026160 + 0.341518I$ $b = -2.02234 + 0.39359I$	$-5.47647 + 2.87572I$	$-10.17496 + 1.27830I$
$u = -0.375312 + 0.293384I$ $a = 1.52275 - 1.15299I$ $b = -0.663240 - 0.618071I$	$-0.093430 - 0.496699I$	$-2.79813 + 0.04829I$
$u = -0.375312 - 0.293384I$ $a = 1.52275 + 1.15299I$ $b = -0.663240 + 0.618071I$	$-0.093430 + 0.496699I$	$-2.79813 - 0.04829I$
$u = -1.52906 + 0.23255I$ $a = 0.647405 - 0.190244I$ $b = 2.05285 - 0.17653I$	$-7.41546 + 5.53534I$	$-5.08064 - 8.15204I$
$u = -1.52906 - 0.23255I$ $a = 0.647405 + 0.190244I$ $b = 2.05285 + 0.17653I$	$-7.41546 - 5.53534I$	$-5.08064 + 8.15204I$
$u = 0.377398 + 0.043983I$ $a = -1.11749 + 2.90937I$ $b = -0.133373 + 0.724783I$	$0.38303 + 4.11760I$	$1.95695 - 4.69583I$
$u = 0.377398 - 0.043983I$ $a = -1.11749 - 2.90937I$ $b = -0.133373 - 0.724783I$	$0.38303 - 4.11760I$	$1.95695 + 4.69583I$

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$(u^{18} - 12u^{17} + \cdots - 16u + 1)(u^{33} + 31u^{32} + \cdots - 108u - 1)$
c_2	$(u^{18} - 2u^{17} + \cdots - 2u + 1)(u^{33} - 3u^{32} + \cdots + 10u + 1)$
c_3, c_4	$(u^{18} - 9u^{16} + \cdots - 2u + 1)(u^{33} - u^{32} + \cdots - 106u + 173)$
c_5	$(u^{18} + 7u^{16} + \cdots + u + 1)(u^{33} + u^{32} + \cdots + 72271u + 18731)$
c_6	$(u^{18} + 2u^{17} + \cdots + 2u + 1)(u^{33} - 3u^{32} + \cdots + 10u + 1)$
c_7	$(u^{18} + 8u^{16} + \cdots + 4u^2 + 1)(u^{33} + u^{32} + \cdots + 698u + 391)$
c_8	$(u^{18} - 9u^{16} + \cdots + 2u + 1)(u^{33} - u^{32} + \cdots - 106u + 173)$
c_9	$(u^{18} - 6u^{17} + \cdots - 2u + 1)(u^{33} - 5u^{32} + \cdots + 28u - 11)$
c_{10}	$(u^{18} + 8u^{16} + \cdots + 4u^2 + 1)(u^{33} + u^{32} + \cdots + 698u + 391)$
c_{11}	$(u^{18} + 16u^{17} + \cdots + 8u + 1)(u^{33} + 55u^{32} + \cdots - 781200u - 152881)$
c_{12}	$(u^{18} + 11u^{16} + \cdots - 2u + 1)(u^{33} - u^{32} + \cdots - 428u + 187)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$(y^{18}-20y^{16}+\cdots-24y+1)(y^{33}-45y^{32}+\cdots-3432y-1)$
c_2, c_6	$(y^{18}+12y^{17}+\cdots+16y+1)(y^{33}+31y^{32}+\cdots-108y-1)$
c_3, c_4, c_8	$(y^{18}-18y^{17}+\cdots-20y+1)(y^{33}-43y^{32}+\cdots+292880y-29929)$
c_5	$(y^{18}+14y^{17}+\cdots-3y+1)$ $\cdot(y^{33}+77y^{32}+\cdots-6878739425y-350850361)$
c_7, c_{10}	$(y^{18}+16y^{17}+\cdots+8y+1)(y^{33}+55y^{32}+\cdots-781200y-152881)$
c_9	$(y^{18}+2y^{17}+\cdots-10y+1)(y^{33}-7y^{32}+\cdots-778y-121)$
c_{11}	$(y^{18}-24y^{17}+\cdots+4y+1)$ $\cdot(y^{33}-149y^{32}+\cdots-105634649180y-23372600161)$
c_{12}	$(y^{18}+22y^{17}+\cdots+14y+1)(y^{33}+57y^{32}+\cdots-214378y-34969)$