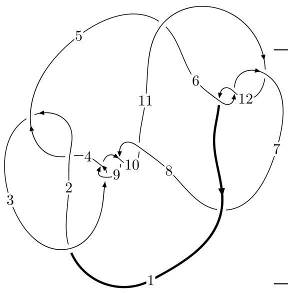
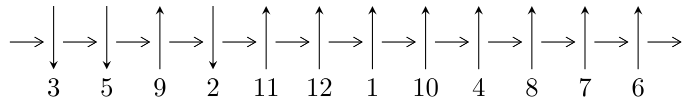
$12a_{0161}$ $(K12a_{0161})$



A knot diagram[1]

Linearized knot diagam



Solving Sequence

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

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

$$I_1^u = \langle -u^{45} - 19u^{43} + \cdots + b - u,\ u^{77} + u^{76} + \cdots + a - 1,\ u^{78} + 2u^{77} + \cdots - 4u^2 - 1\rangle$$
$$I_2^u = \langle u^2 + b - u + 1,\ -2u^2 + a - 2,\ u^3 - u^2 + 2u - 1\rangle$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 81 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.

$$I_1^u = \langle -u^{45} - 19u^{43} + \cdots + b - u,\ u^{77} + u^{76} + \cdots + a - 1,\ u^{78} + 2u^{77} + \cdots - 4u^2 - 1 \rangle$$

(i) Arc colorings

$$a_7 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

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

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

$$a_6 = \begin{pmatrix} -u \\ u^3 + u \end{pmatrix}$$

$$a_1 = \begin{pmatrix} u^2 + 1 \\ -u^4 - 2u^2 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} u^5 + 2u^3 + u \\ -u^7 - 3u^5 - 2u^3 + u \end{pmatrix}$$

$$a_2 = \begin{pmatrix} -u^{77} - u^{76} + \cdots + 4u + 1 \\ u^{45} + 19u^{43} + \cdots - 8u^2 + u \end{pmatrix}$$

$$a_5 = \begin{pmatrix} -u^3 - 2u \\ u^3 + u \end{pmatrix}$$

$$a_3 = \begin{pmatrix} -u^{51} - 22u^{49} + \cdots - 16u^2 + 6u \\ -u^{77} - 2u^{76} + \cdots - 2u^2 + 1 \end{pmatrix}$$

$$a_4 = \begin{pmatrix} 2u^{77} + 2u^{76} + \cdots - 4u - 1 \\ -u^{77} - 2u^{76} + \cdots - u + 1 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -u^{12} - 5u^{10} - 9u^8 - 6u^6 + u^2 + 1 \\ u^{14} + 6u^{12} + 13u^{10} + 10u^8 - 2u^6 - 4u^4 + u^2 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} u^{19} + 8u^{17} + 26u^{15} + 42u^{13} + 31u^{11} + 2u^9 - 10u^7 - 4u^5 + u^3 + 2u \\ -u^{21} - 9u^{19} + \cdots - u^3 + u \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= -u^{77} - 2u^{76} + \cdots + 19u + 1$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{78} + 44u^{77} + \cdots + 17u + 1$
c_2, c_4	$u^{78} - 4u^{77} + \cdots + 9u - 1$
c_3, c_9	$u^{78} - u^{77} + \cdots + 4u + 8$
c_5, c_7	$u^{78} - 2u^{77} + \cdots + 4u - 1$
c_6, c_{11}, c_{12}	$u^{78} + 2u^{77} + \cdots - 4u^2 - 1$
c_8, c_{10}	$u^{78} - 21u^{77} + \cdots - 1232u + 64$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{78} - 16y^{77} + \cdots - 329y + 1$
c_2, c_4	$y^{78} - 44y^{77} + \cdots - 17y + 1$
c_3, c_9	$y^{78} - 21y^{77} + \cdots - 1232y + 64$
c_5, c_7	$y^{78} - 38y^{77} + \cdots + 8y + 1$
c_6, c_{11}, c_{12}	$y^{78} + 66y^{77} + \cdots + 8y + 1$
c_8, c_{10}	$y^{78} + 67y^{77} + \cdots - 68864y + 4096$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.221840 + 0.947945I$ $a = -0.90854 - 2.19426I$ $b = -0.63575 + 1.79124I$	$-6.03562 - 1.43380I$	0
$u = 0.221840 - 0.947945I$ $a = -0.90854 + 2.19426I$ $b = -0.63575 - 1.79124I$	$-6.03562 + 1.43380I$	0
$u = -0.322913 + 0.983251I$ $a = -0.59097 + 2.36662I$ $b = -0.89380 - 1.94580I$	$-5.23022 + 7.49440I$	0
$u = -0.322913 - 0.983251I$ $a = -0.59097 - 2.36662I$ $b = -0.89380 + 1.94580I$	$-5.23022 - 7.49440I$	0
$u = -0.266822 + 1.014570I$ $a = -0.265621 - 0.087182I$ $b = 0.763129 - 0.052329I$	$-2.10877 + 2.64422I$	0
$u = -0.266822 - 1.014570I$ $a = -0.265621 + 0.087182I$ $b = 0.763129 + 0.052329I$	$-2.10877 - 2.64422I$	0
$u = -0.201285 + 0.867169I$ $a = -0.61079 - 1.89983I$ $b = 0.17550 + 1.40684I$	$-6.10936 - 1.32608I$	$0.73693 + 1.24858I$
$u = -0.201285 - 0.867169I$ $a = -0.61079 + 1.89983I$ $b = 0.17550 - 1.40684I$	$-6.10936 + 1.32608I$	$0.73693 - 1.24858I$
$u = 0.316364 + 0.786903I$ $a = -0.12641 + 1.88878I$ $b = 0.12525 - 1.63413I$	$-5.61969 + 7.17353I$	$1.91318 - 7.13043I$
$u = 0.316364 - 0.786903I$ $a = -0.12641 - 1.88878I$ $b = 0.12525 + 1.63413I$	$-5.61969 - 7.17353I$	$1.91318 + 7.13043I$

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.785147 + 0.185065I$ $a = -3.20268 + 3.17739I$ $b = 1.37992 - 2.53027I$	$-2.75716 - 11.61650I$	$5.77587 + 8.60798I$
$u = -0.785147 - 0.185065I$ $a = -3.20268 - 3.17739I$ $b = 1.37992 + 2.53027I$	$-2.75716 + 11.61650I$	$5.77587 - 8.60798I$
$u = -0.770791 + 0.171159I$ $a = 0.857137 + 0.494336I$ $b = -0.743484 + 0.108436I$	$0.46016 - 6.59193I$	$9.04398 + 5.71613I$
$u = -0.770791 - 0.171159I$ $a = 0.857137 - 0.494336I$ $b = -0.743484 - 0.108436I$	$0.46016 + 6.59193I$	$9.04398 - 5.71613I$
$u = 0.216613 + 0.756610I$ $a = -0.036625 + 0.331435I$ $b = 0.702068 - 0.142190I$	$-2.39928 + 2.61834I$	$4.76572 - 3.85328I$
$u = 0.216613 - 0.756610I$ $a = -0.036625 - 0.331435I$ $b = 0.702068 + 0.142190I$	$-2.39928 - 2.61834I$	$4.76572 + 3.85328I$
$u = -0.782132 + 0.079591I$ $a = -1.50273 + 2.21168I$ $b = 0.47522 - 1.74253I$	$4.89842 - 5.92763I$	$11.50709 + 7.07473I$
$u = -0.782132 - 0.079591I$ $a = -1.50273 - 2.21168I$ $b = 0.47522 + 1.74253I$	$4.89842 + 5.92763I$	$11.50709 - 7.07473I$
$u = -0.320177 + 1.177210I$ $a = -0.373766 + 1.202460I$ $b = -0.73975 - 1.50874I$	$1.55633 + 1.91915I$	0
$u = -0.320177 - 1.177210I$ $a = -0.373766 - 1.202460I$ $b = -0.73975 + 1.50874I$	$1.55633 - 1.91915I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.756990+0.181313I$ $a = -2.99011-3.55109I$ $b = 1.19344+2.71479I$	$-3.62530+5.27142I$	$4.61455-4.56249I$
$u = 0.756990-0.181313I$ $a = -2.99011+3.55109I$ $b = 1.19344-2.71479I$	$-3.62530-5.27142I$	$4.61455+4.56249I$
$u = -0.773908+0.039316I$ $a = 0.028490-0.517470I$ $b = -0.307660+0.629701I$	$6.03009-1.10865I$	$14.3285+0.8012I$
$u = -0.773908-0.039316I$ $a = 0.028490+0.517470I$ $b = -0.307660-0.629701I$	$6.03009+1.10865I$	$14.3285-0.8012I$
$u = -0.051004+1.229700I$ $a = -0.65147-1.75217I$ $b = -0.546978-0.264959I$	$-5.84021-1.10052I$	0
$u = -0.051004-1.229700I$ $a = -0.65147+1.75217I$ $b = -0.546978+0.264959I$	$-5.84021+1.10052I$	0
$u = -0.743598+0.185676I$ $a = 3.33465-1.56772I$ $b = -1.28958+1.13847I$	$-3.82604-2.40404I$	$4.47486+3.48448I$
$u = -0.743598-0.185676I$ $a = 3.33465+1.56772I$ $b = -1.28958-1.13847I$	$-3.82604+2.40404I$	$4.47486-3.48448I$
$u = 0.724926+0.227700I$ $a = 2.97783+1.77944I$ $b = -1.03439-1.28165I$	$-3.74163-3.33148I$	$4.54329+2.27222I$
$u = 0.724926-0.227700I$ $a = 2.97783-1.77944I$ $b = -1.03439+1.28165I$	$-3.74163+3.33148I$	$4.54329-2.27222I$

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.163517 + 1.233490I$ $a = -0.418961 + 0.316278I$ $b = 0.741466 + 0.295231I$	$-2.91541 + 2.01642I$	0
$u = 0.163517 - 1.233490I$ $a = -0.418961 - 0.316278I$ $b = 0.741466 - 0.295231I$	$-2.91541 - 2.01642I$	0
$u = 0.717043 + 0.182657I$ $a = 1.087960 - 0.258300I$ $b = -0.815686 - 0.256787I$	$-0.315586 + 0.899815I$	$8.05190 - 1.09209I$
$u = 0.717043 - 0.182657I$ $a = 1.087960 + 0.258300I$ $b = -0.815686 + 0.256787I$	$-0.315586 - 0.899815I$	$8.05190 + 1.09209I$
$u = -0.323388 + 1.222800I$ $a = 0.540462 - 0.141703I$ $b = 0.601785 + 0.420796I$	$2.39590 - 2.86000I$	0
$u = -0.323388 - 1.222800I$ $a = 0.540462 + 0.141703I$ $b = 0.601785 - 0.420796I$	$2.39590 + 2.86000I$	0
$u = 0.272850 + 1.244810I$ $a = -1.084010 - 0.348222I$ $b = 0.12739 + 1.81207I$	$-2.00980 + 1.83090I$	0
$u = 0.272850 - 1.244810I$ $a = -1.084010 + 0.348222I$ $b = 0.12739 - 1.81207I$	$-2.00980 - 1.83090I$	0
$u = 0.719177 + 0.040036I$ $a = 0.37747 - 2.59587I$ $b = -0.66798 + 1.81340I$	$1.67961 + 1.74944I$	$8.87795 - 3.96310I$
$u = 0.719177 - 0.040036I$ $a = 0.37747 + 2.59587I$ $b = -0.66798 - 1.81340I$	$1.67961 - 1.74944I$	$8.87795 + 3.96310I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = -0.274784 + 1.281070I$ $a = -1.74319 - 1.43094I$ $b = 1.33894 - 0.46268I$	$-3.63721 - 3.47711I$	0
$u = -0.274784 - 1.281070I$ $a = -1.74319 + 1.43094I$ $b = 1.33894 + 0.46268I$	$-3.63721 + 3.47711I$	0
$u = -0.688313$ $a = 3.35104$ $b = -1.29655$	0.354274	12.4140
$u = 0.298521 + 1.292870I$ $a = 1.55001 + 1.06840I$ $b = 1.15050 - 1.83635I$	$-2.48033 + 5.43449I$	0
$u = 0.298521 - 1.292870I$ $a = 1.55001 - 1.06840I$ $b = 1.15050 + 1.83635I$	$-2.48033 - 5.43449I$	0
$u = -0.330502 + 1.287190I$ $a = -0.148188 - 0.049151I$ $b = 0.044709 - 0.772496I$	$1.89914 - 5.09234I$	0
$u = -0.330502 - 1.287190I$ $a = -0.148188 + 0.049151I$ $b = 0.044709 + 0.772496I$	$1.89914 + 5.09234I$	0
$u = -0.337500 + 1.313270I$ $a = 2.00680 - 0.11521I$ $b = -0.20506 + 1.85852I$	$0.53996 - 9.96745I$	0
$u = -0.337500 - 1.313270I$ $a = 2.00680 + 0.11521I$ $b = -0.20506 - 1.85852I$	$0.53996 + 9.96745I$	0
$u = 0.118296 + 1.357210I$ $a = -0.617226 + 1.056650I$ $b = 0.33291 + 1.37529I$	$-5.11060 + 4.79864I$	0

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.118296 - 1.357210I$ $a = -0.617226 - 1.056650I$ $b = 0.33291 - 1.37529I$	$-5.11060 - 4.79864I$	0
$u = 0.212992 + 1.351290I$ $a = -1.31861 + 0.66037I$ $b = 0.840813 + 1.053440I$	$-4.03525 + 2.28010I$	0
$u = 0.212992 - 1.351290I$ $a = -1.31861 - 0.66037I$ $b = 0.840813 - 1.053440I$	$-4.03525 - 2.28010I$	0
$u = 0.301735 + 1.364260I$ $a = -0.299894 + 0.766680I$ $b = 0.805459 + 0.404103I$	$-5.19764 + 4.61194I$	0
$u = 0.301735 - 1.364260I$ $a = -0.299894 - 0.766680I$ $b = 0.805459 - 0.404103I$	$-5.19764 - 4.61194I$	0
$u = -0.311251 + 1.368930I$ $a = -2.40297 - 0.78639I$ $b = 1.81013 - 1.33373I$	$-8.73778 - 6.23313I$	0
$u = -0.311251 - 1.368930I$ $a = -2.40297 + 0.78639I$ $b = 1.81013 + 1.33373I$	$-8.73778 + 6.23313I$	0
$u = -0.324957 + 1.366060I$ $a = -0.121142 - 0.795607I$ $b = 0.685934 - 0.203092I$	$-4.39480 - 10.55880I$	0
$u = -0.324957 - 1.366060I$ $a = -0.121142 + 0.795607I$ $b = 0.685934 + 0.203092I$	$-4.39480 + 10.55880I$	0
$u = 0.317497 + 1.368890I$ $a = 3.12911 - 0.00654I$ $b = -1.24074 - 3.25839I$	$-8.52354 + 9.16648I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.317497 - 1.368890I$ $a = 3.12911 + 0.00654I$ $b = -1.24074 + 3.25839I$	$-8.52354 - 9.16648I$	0
$u = -0.330057 + 1.374490I$ $a = 3.07659 + 0.21604I$ $b = -1.51815 + 2.97295I$	$-7.6876 - 15.6495I$	0
$u = -0.330057 - 1.374490I$ $a = 3.07659 - 0.21604I$ $b = -1.51815 - 2.97295I$	$-7.6876 + 15.6495I$	0
$u = 0.295867 + 1.382440I$ $a = -2.29433 + 0.57982I$ $b = 1.61811 + 1.49611I$	$-8.83720 + 0.37277I$	0
$u = 0.295867 - 1.382440I$ $a = -2.29433 - 0.57982I$ $b = 1.61811 - 1.49611I$	$-8.83720 - 0.37277I$	0
$u = 0.01557 + 1.41703I$ $a = -0.590163 - 0.023145I$ $b = -0.502778 + 0.138020I$	$-8.98429 + 3.00952I$	0
$u = 0.01557 - 1.41703I$ $a = -0.590163 + 0.023145I$ $b = -0.502778 - 0.138020I$	$-8.98429 - 3.00952I$	0
$u = -0.00417 + 1.42134I$ $a = 0.267222 - 0.793896I$ $b = -0.64326 - 2.84980I$	$-12.84860 - 1.47997I$	0
$u = -0.00417 - 1.42134I$ $a = 0.267222 + 0.793896I$ $b = -0.64326 + 2.84980I$	$-12.84860 + 1.47997I$	0
$u = 0.02254 + 1.43315I$ $a = 0.103861 + 0.659204I$ $b = -0.28487 + 2.87993I$	$-12.4992 + 7.7676I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=\ 0.02254-1.43315I$ $a=\ 0.103861-0.659204I$ $b=-0.28487-2.87993I$	$-12.4992-7.7676I$	0
$u=\ 0.359180+0.436801I$ $a=\ 0.662229+0.372982I$ $b=-0.248173-1.100090I$	$0.37969+3.21597I$	$7.04752-8.62566I$
$u=\ 0.359180-0.436801I$ $a=\ 0.662229-0.372982I$ $b=-0.248173+1.100090I$	$0.37969-3.21597I$	$7.04752+8.62566I$
$u=\ 0.472822+0.269583I$ $a=\ 1.58775+0.80986I$ $b=-0.165683-0.644607I$	$0.913188-0.312563I$	$10.41614-0.13435I$
$u=\ 0.472822-0.269583I$ $a=\ 1.58775-0.80986I$ $b=-0.165683+0.644607I$	$0.913188+0.312563I$	$10.41614+0.13435I$
$u=\ 0.419349$ $a=\ 1.23689$ $b=-0.399405$	0.742145	13.5430
$u=-0.135471+0.223794I$ $a=\ 0.41686+2.11056I$ $b=\ 0.419076+0.683835I$	$-1.63000-0.53870I$	$-3.53001+1.26153I$
$u=-0.135471-0.223794I$ $a=\ 0.41686-2.11056I$ $b=\ 0.419076-0.683835I$	$-1.63000+0.53870I$	$-3.53001-1.26153I$

II. $\boldsymbol{I_2^u = \langle u^2 + b - u + 1,\ -2u^2 + a - 2,\ u^3 - u^2 + 2u - 1 \rangle}$

(i) Arc colorings

$$a_7 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

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

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

$$a_6 = \begin{pmatrix} -u \\ u^2 - u + 1 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} u^2 + 1 \\ -u^2 + u - 1 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_2 = \begin{pmatrix} 2u^2 + 2 \\ -u^2 + u - 1 \end{pmatrix}$$

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

$$a_3 = \begin{pmatrix} u^2 + 1 \\ 0 \end{pmatrix}$$

$$a_4 = \begin{pmatrix} u^2 + 1 \\ 0 \end{pmatrix}$$

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

$$a_9 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= 3u^2 - 4u + 4$

(iv) u-Polynomials at the component

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

(v) Riley Polynomials at the component

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

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.215080 + 1.307140I$ $a = -1.32472 + 1.12456I$ $b = 0.877439 + 0.744862I$	$-4.66906 + 2.82812I$	$-1.84740 - 3.54173I$
$u = 0.215080 - 1.307140I$ $a = -1.32472 - 1.12456I$ $b = 0.877439 - 0.744862I$	$-4.66906 - 2.82812I$	$-1.84740 + 3.54173I$
$u = 0.569840$ $a = 2.64944$ $b = -0.754878$	-0.531480	2.69480

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$((u-1)^3)(u^{78}+44u^{77}+\cdots+17u+1)$
c_2	$((u-1)^3)(u^{78}-4u^{77}+\cdots+9u-1)$
c_3, c_9	$u^3(u^{78}-u^{77}+\cdots+4u+8)$
c_4	$((u+1)^3)(u^{78}-4u^{77}+\cdots+9u-1)$
c_5, c_7	$(u^3-u^2+1)(u^{78}-2u^{77}+\cdots+4u-1)$
c_6	$(u^3+u^2+2u+1)(u^{78}+2u^{77}+\cdots-4u^2-1)$
c_8, c_{10}	$u^3(u^{78}-21u^{77}+\cdots-1232u+64)$
c_{11}, c_{12}	$(u^3-u^2+2u-1)(u^{78}+2u^{77}+\cdots-4u^2-1)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$((y-1)^3)(y^{78}-16y^{77}+\cdots-329y+1)$
c_2, c_4	$((y-1)^3)(y^{78}-44y^{77}+\cdots-17y+1)$
c_3, c_9	$y^3(y^{78}-21y^{77}+\cdots-1232y+64)$
c_5, c_7	$(y^3-y^2+2y-1)(y^{78}-38y^{77}+\cdots+8y+1)$
c_6, c_{11}, c_{12}	$(y^3+3y^2+2y-1)(y^{78}+66y^{77}+\cdots+8y+1)$
c_8, c_{10}	$y^3(y^{78}+67y^{77}+\cdots-68864y+4096)$