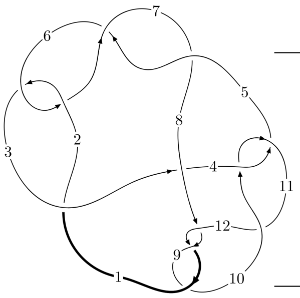
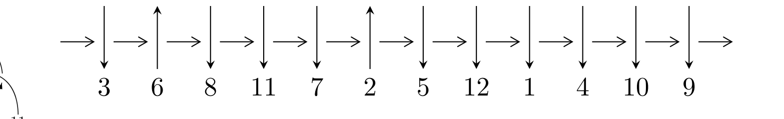
$12a_{0329}$ $(K12a_{0329})$



A knot diagram[1]

Linearized knot diagam



Solving Sequence

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

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

$$I_1^u = \langle u^{72} + u^{71} + \cdots + b - u,\ u^{72} + u^{71} + \cdots + a - 1,\ u^{74} + 2u^{73} + \cdots - 3u + 1 \rangle$$
$$I_2^u = \langle u^3 + u^2 + b,\ u^3 + u^2 + a + u,\ u^4 + u^3 + u^2 + 1 \rangle$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 78 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.

$$\boldsymbol{I_1^u = \langle u^{72} + u^{71} + \cdots + b - u,\ u^{72} + u^{71} + \cdots + a - 1,\ u^{74} + 2u^{73} + \cdots - 3u + 1\rangle}$$

(i) Arc colorings

$$a_2 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_7 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_6 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$
$$a_3 = \begin{pmatrix} u \\ u^3 + u \end{pmatrix}$$
$$a_1 = \begin{pmatrix} u^3 \\ u^5 + u^3 + u \end{pmatrix}$$
$$a_9 = \begin{pmatrix} -u^{72} - u^{71} + \cdots + 2u + 1 \\ -u^{72} - u^{71} + \cdots - u^2 + u \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} -2u^{72} - u^{71} + \cdots - 7u^2 + 6u \\ u^{73} - u^{72} + \cdots - 3u^2 + 2u \end{pmatrix}$$
$$a_5 = \begin{pmatrix} u^2 + 1 \\ u^2 \end{pmatrix}$$
$$a_8 = \begin{pmatrix} u^4 + u^2 + 1 \\ u^4 \end{pmatrix}$$
$$a_4 = \begin{pmatrix} -u^{11} - 2u^9 - 4u^7 - 4u^5 - 3u^3 \\ -u^{11} - u^9 - 2u^7 - u^5 + u^3 + u \end{pmatrix}$$
$$a_{12} = \begin{pmatrix} -u^{71} - u^{70} + \cdots - u + 1 \\ -u^{73} - u^{72} + \cdots + 2u^2 + u \end{pmatrix}$$
$$a_{11} = \begin{pmatrix} -u^{71} - u^{70} + \cdots + u + 1 \\ -u^{73} - u^{72} + \cdots + 3u^2 + u \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= 4u^{73} + 33u^{71} + \cdots + 26u - 15$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_5, c_7	$u^{74} + 18u^{73} + \cdots - 3u + 1$
c_2, c_6	$u^{74} - 2u^{73} + \cdots + 3u + 1$
c_3	$u^{74} - 2u^{73} + \cdots + 9257u + 4777$
c_4, c_{10}	$u^{74} - u^{73} + \cdots - 24u - 16$
c_8, c_9, c_{12}	$u^{74} - 5u^{73} + \cdots + 5u - 1$
c_{11}	$u^{74} + 27u^{73} + \cdots + 1344u + 256$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_5, c_7	$y^{74} + 78y^{73} + \cdots - 75y + 1$
c_2, c_6	$y^{74} + 18y^{73} + \cdots - 3y + 1$
c_3	$y^{74} + 18y^{73} + \cdots - 14218575y + 22819729$
c_4, c_{10}	$y^{74} - 27y^{73} + \cdots - 1344y + 256$
c_8, c_9, c_{12}	$y^{74} - 63y^{73} + \cdots + 3y + 1$
c_{11}	$y^{74} + 33y^{73} + \cdots - 20480y + 65536$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.370657 + 0.930941I$ $a = -1.27891 + 1.28820I$ $b = -0.48568 - 1.33658I$	$-3.10297 - 5.13562I$	$-11.85911 + 6.70482I$
$u = -0.370657 - 0.930941I$ $a = -1.27891 - 1.28820I$ $b = -0.48568 + 1.33658I$	$-3.10297 + 5.13562I$	$-11.85911 - 6.70482I$
$u = 0.262234 + 0.974045I$ $a = -1.51097 - 0.71110I$ $b = 0.13812 + 1.50691I$	$-10.11750 + 2.86955I$	$-18.1096 + 0.I$
$u = 0.262234 - 0.974045I$ $a = -1.51097 + 0.71110I$ $b = 0.13812 - 1.50691I$	$-10.11750 - 2.86955I$	$-18.1096 + 0.I$
$u = 0.391755 + 0.945458I$ $a = -0.120911 + 0.246009I$ $b = -0.073081 - 0.876023I$	$-0.03542 + 7.02498I$	0
$u = 0.391755 - 0.945458I$ $a = -0.120911 - 0.246009I$ $b = -0.073081 + 0.876023I$	$-0.03542 - 7.02498I$	0
$u = 0.101503 + 0.967548I$ $a = -1.333000 - 0.086551I$ $b = 0.51887 + 1.44531I$	$-6.74695 - 5.46594I$	$-16.3389 + 3.3983I$
$u = 0.101503 - 0.967548I$ $a = -1.333000 + 0.086551I$ $b = 0.51887 - 1.44531I$	$-6.74695 + 5.46594I$	$-16.3389 - 3.3983I$
$u = -0.539297 + 0.874713I$ $a = 1.41107 + 1.07868I$ $b = 1.43835 - 0.33243I$	$-3.04067 + 0.79446I$	0
$u = -0.539297 - 0.874713I$ $a = 1.41107 - 1.07868I$ $b = 1.43835 + 0.33243I$	$-3.04067 - 0.79446I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = -0.423718 + 0.873936I$ $a = 0.058791 - 0.298637I$ $b = -0.105446 + 0.720386I$	$1.05241 - 2.06574I$	$-5.32240 + 3.74687I$
$u = -0.423718 - 0.873936I$ $a = 0.058791 + 0.298637I$ $b = -0.105446 - 0.720386I$	$1.05241 + 2.06574I$	$-5.32240 - 3.74687I$
$u = 0.358544 + 0.895439I$ $a = 0.987293 - 0.627444I$ $b = 0.663180 + 0.145591I$	$-2.38686 + 2.65510I$	$-13.1205 - 6.3597I$
$u = 0.358544 - 0.895439I$ $a = 0.987293 + 0.627444I$ $b = 0.663180 - 0.145591I$	$-2.38686 - 2.65510I$	$-13.1205 + 6.3597I$
$u = 0.394012 + 0.979247I$ $a = -1.11170 - 1.07359I$ $b = -0.296049 + 1.060090I$	$-5.08396 + 11.12460I$	0
$u = 0.394012 - 0.979247I$ $a = -1.11170 + 1.07359I$ $b = -0.296049 - 1.060090I$	$-5.08396 - 11.12460I$	0
$u = 0.103312 + 0.896931I$ $a = 0.887399 - 0.107134I$ $b = 0.1026740 + 0.0258890I$	$-1.62241 - 1.90988I$	$-12.59659 + 2.96678I$
$u = 0.103312 - 0.896931I$ $a = 0.887399 + 0.107134I$ $b = 0.1026740 - 0.0258890I$	$-1.62241 + 1.90988I$	$-12.59659 - 2.96678I$
$u = -0.162278 + 0.882080I$ $a = -1.86533 + 0.01556I$ $b = 0.61352 - 1.71143I$	$-4.28589 + 0.17592I$	$-15.2224 + 1.2982I$
$u = -0.162278 - 0.882080I$ $a = -1.86533 - 0.01556I$ $b = 0.61352 + 1.71143I$	$-4.28589 - 0.17592I$	$-15.2224 - 1.2982I$

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.228592 + 0.865642I$ $a = -0.205409 - 0.318538I$ $b = 0.393610 - 0.827305I$	$-3.11888 + 1.92265I$	$-16.9691 - 4.8475I$
$u = 0.228592 - 0.865642I$ $a = -0.205409 + 0.318538I$ $b = 0.393610 + 0.827305I$	$-3.11888 - 1.92265I$	$-16.9691 + 4.8475I$
$u = -0.793537 + 0.797011I$ $a = 1.20434 + 2.94943I$ $b = 3.24568 + 1.59448I$	$-3.39031 + 1.34510I$	0
$u = -0.793537 - 0.797011I$ $a = 1.20434 - 2.94943I$ $b = 3.24568 - 1.59448I$	$-3.39031 - 1.34510I$	0
$u = -0.800342 + 0.871137I$ $a = -0.361382 - 1.004460I$ $b = -1.018710 - 0.097940I$	$2.93090 - 0.84494I$	0
$u = -0.800342 - 0.871137I$ $a = -0.361382 + 1.004460I$ $b = -1.018710 + 0.097940I$	$2.93090 + 0.84494I$	0
$u = 0.787585 + 0.892783I$ $a = 3.73862 - 2.99484I$ $b = 5.51026 + 0.88946I$	$0.96592 + 2.96415I$	0
$u = 0.787585 - 0.892783I$ $a = 3.73862 + 2.99484I$ $b = 5.51026 - 0.88946I$	$0.96592 - 2.96415I$	0
$u = -0.648967 + 0.480188I$ $a = 0.67572 + 1.63606I$ $b = 1.05520 + 1.06991I$	$-1.82857 - 5.13657I$	$-7.61220 + 5.78634I$
$u = -0.648967 - 0.480188I$ $a = 0.67572 - 1.63606I$ $b = 1.05520 - 1.06991I$	$-1.82857 + 5.13657I$	$-7.61220 - 5.78634I$

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.792974 + 0.914514I$ $a = -0.925828 - 0.048708I$ $b = -1.136000 + 0.585010I$	$2.79856 - 5.13896I$	0
$u = -0.792974 - 0.914514I$ $a = -0.925828 + 0.048708I$ $b = -1.136000 - 0.585010I$	$2.79856 + 5.13896I$	0
$u = 0.871182 + 0.842854I$ $a = -0.43677 - 4.17578I$ $b = 3.19153 - 4.15521I$	$4.79039 - 2.56885I$	0
$u = 0.871182 - 0.842854I$ $a = -0.43677 + 4.17578I$ $b = 3.19153 + 4.15521I$	$4.79039 + 2.56885I$	0
$u = -0.865285 + 0.852184I$ $a = -0.446010 - 0.389569I$ $b = -1.374710 + 0.215281I$	$5.30374 - 0.19199I$	0
$u = -0.865285 - 0.852184I$ $a = -0.446010 + 0.389569I$ $b = -1.374710 - 0.215281I$	$5.30374 + 0.19199I$	0
$u = -0.889310 + 0.831084I$ $a = -0.58412 + 3.55348I$ $b = 2.51405 + 3.82161I$	$3.25231 + 8.92007I$	0
$u = -0.889310 - 0.831084I$ $a = -0.58412 - 3.55348I$ $b = 2.51405 - 3.82161I$	$3.25231 - 8.92007I$	0
$u = -0.880501 + 0.841506I$ $a = -0.09655 - 1.43175I$ $b = -0.96541 - 1.11206I$	$8.11567 + 4.50987I$	0
$u = -0.880501 - 0.841506I$ $a = -0.09655 + 1.43175I$ $b = -0.96541 + 1.11206I$	$8.11567 - 4.50987I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.768948+0.953815I$ $a=\ 3.60195+0.74895I$ $b=\ 3.28481-2.83553I$	$-3.85290-7.23015I$	0
$u=-0.768948-0.953815I$ $a=\ 3.60195-0.74895I$ $b=\ 3.28481+2.83553I$	$-3.85290+7.23015I$	0
$u=\ 0.875221+0.863661I$ $a=-0.24047+1.56679I$ $b=-1.32613+1.10874I$	$9.13605+1.16892I$	0
$u=\ 0.875221-0.863661I$ $a=-0.24047-1.56679I$ $b=-1.32613-1.10874I$	$9.13605-1.16892I$	0
$u=\ 0.836796+0.905566I$ $a=-0.976206+0.856643I$ $b=-1.69337-0.26275I$	$6.12773+3.11665I$	0
$u=\ 0.836796-0.905566I$ $a=-0.976206-0.856643I$ $b=-1.69337+0.26275I$	$6.12773-3.11665I$	0
$u=-0.284228+0.708232I$ $a=\ 0.571120-0.005427I$ $b=-0.023212+0.272923I$	$-0.344659-1.199220I$	$-4.27090+5.42127I$
$u=-0.284228-0.708232I$ $a=\ 0.571120+0.005427I$ $b=-0.023212-0.272923I$	$-0.344659+1.199220I$	$-4.27090-5.42127I$
$u=\ 0.884209+0.886388I$ $a=-0.453759+0.492959I$ $b=-1.44464-0.27372I$	$5.67600+4.74487I$	0
$u=\ 0.884209-0.886388I$ $a=-0.453759-0.492959I$ $b=-1.44464+0.27372I$	$5.67600-4.74487I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = -0.824692 + 0.956473I$ $a = -0.430534 - 0.688248I$ $b = -1.273820 + 0.430919I$	$4.97545 - 6.08633I$	0
$u = -0.824692 - 0.956473I$ $a = -0.430534 + 0.688248I$ $b = -1.273820 - 0.430919I$	$4.97545 + 6.08633I$	0
$u = 0.823326 + 0.965058I$ $a = 4.31567 + 1.07074I$ $b = 2.38456 + 5.11677I$	$4.40603 + 8.85971I$	0
$u = 0.823326 - 0.965058I$ $a = 4.31567 - 1.07074I$ $b = 2.38456 - 5.11677I$	$4.40603 - 8.85971I$	0
$u = 0.837491 + 0.954895I$ $a = -1.59825 - 0.12438I$ $b = -1.24032 - 1.39697I$	$8.84737 + 5.18121I$	0
$u = 0.837491 - 0.954895I$ $a = -1.59825 + 0.12438I$ $b = -1.24032 + 1.39697I$	$8.84737 - 5.18121I$	0
$u = -0.827734 + 0.970843I$ $a = -1.44770 + 0.29178I$ $b = -0.93181 + 1.32597I$	$7.70752 - 10.84290I$	0
$u = -0.827734 - 0.970843I$ $a = -1.44770 - 0.29178I$ $b = -0.93181 - 1.32597I$	$7.70752 + 10.84290I$	0
$u = 0.858246 + 0.946417I$ $a = -0.453491 + 0.631410I$ $b = -1.39039 - 0.40883I$	$5.48554 + 1.70033I$	0
$u = 0.858246 - 0.946417I$ $a = -0.453491 - 0.631410I$ $b = -1.39039 + 0.40883I$	$5.48554 - 1.70033I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.826554+0.981242I$ $a=\ \ 3.64712-1.10764I$ $b=\ \ 1.77061-4.59589I$	$2.7778-15.2746I$	0
$u=-0.826554-0.981242I$ $a=\ \ 3.64712+1.10764I$ $b=\ \ 1.77061+4.59589I$	$2.7778+15.2746I$	0
$u=\ \ 0.660743+0.252301I$ $a=-0.786755+0.787997I$ $b=\ \ 1.110110+0.042205I$	$-2.78259-7.30543I$	$-7.59550+5.05432I$
$u=\ \ 0.660743-0.252301I$ $a=-0.786755-0.787997I$ $b=\ \ 1.110110-0.042205I$	$-2.78259+7.30543I$	$-7.59550-5.05432I$
$u=-0.573801+0.409204I$ $a=\ \ 0.527291-0.334649I$ $b=-0.483095-0.240497I$	$2.49523-1.66576I$	$-1.39126+3.52161I$
$u=-0.573801-0.409204I$ $a=\ \ 0.527291+0.334649I$ $b=-0.483095+0.240497I$	$2.49523+1.66576I$	$-1.39126-3.52161I$
$u=\ \ 0.602855+0.285159I$ $a=\ \ 0.583424+0.499225I$ $b=-0.364134+0.428826I$	$2.01747-3.35955I$	$-2.79071+3.80374I$
$u=\ \ 0.602855-0.285159I$ $a=\ \ 0.583424-0.499225I$ $b=-0.364134-0.428826I$	$2.01747+3.35955I$	$-2.79071-3.80374I$
$u=\ \ 0.611157$ $a=-1.22506$ $b=\ \ 1.19125$	-7.12640	-11.6060
$u=-0.543461+0.270079I$ $a=-1.07351-1.11244I$ $b=\ \ 1.135140+0.038101I$	$-1.09335+1.70677I$	$-5.63790-1.01096I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = -0.543461 - 0.270079I$ $a = -1.07351 + 1.11244I$ $b = 1.135140 - 0.038101I$	$-1.09335 - 1.70677I$	$-5.63790 + 1.01096I$
$u = 0.476340 + 0.362773I$ $a = 0.81595 - 1.63104I$ $b = 0.809668 - 0.738998I$	$-0.731866 + 0.571685I$	$-5.61090 + 0.52362I$
$u = 0.476340 - 0.362773I$ $a = 0.81595 + 1.63104I$ $b = 0.809668 + 0.738998I$	$-0.731866 - 0.571685I$	$-5.61090 - 0.52362I$
$u = 0.313519$ $a = 1.64868$ $b = 0.300888$	-0.958769	-9.89680

II. $I_2^u = \langle u^3 + u^2 + b,\ u^3 + u^2 + a + u,\ u^4 + u^3 + u^2 + 1\rangle$

(i) Arc colorings

$$a_2 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_7 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_3 = \begin{pmatrix} u \\ u^3 + u \end{pmatrix}$$

$$a_1 = \begin{pmatrix} u^3 \\ u^3 + u^2 + 1 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} -u^3 - u^2 - u \\ -u^3 - u^2 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -u^2 - u \\ 1 \end{pmatrix}$$

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

$$a_8 = \begin{pmatrix} -u^3 \\ -u^3 - u^2 - 1 \end{pmatrix}$$

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

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

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

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= -3u^2 - 2u - 11$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_3, c_5	$u^4 - u^3 + 3u^2 - 2u + 1$
c_2	$u^4 - u^3 + u^2 + 1$
c_4, c_{10}, c_{11}	u^4
c_6	$u^4 + u^3 + u^2 + 1$
c_7	$u^4 + u^3 + 3u^2 + 2u + 1$
c_8, c_9	$(u-1)^4$
c_{12}	$(u+1)^4$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_3, c_5 c_7	$y^4 + 5y^3 + 7y^2 + 2y + 1$
c_2, c_6	$y^4 + y^3 + 3y^2 + 2y + 1$
c_4, c_{10}, c_{11}	y^4
c_8, c_9, c_{12}	$(y-1)^4$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.351808 + 0.720342I$ $a = 0.547424 - 1.120870I$ $b = 0.899232 - 0.400532I$	$-1.85594 + 1.41510I$	$-10.51825 - 2.96122I$
$u = 0.351808 - 0.720342I$ $a = 0.547424 + 1.120870I$ $b = 0.899232 + 0.400532I$	$-1.85594 - 1.41510I$	$-10.51825 + 2.96122I$
$u = -0.851808 + 0.911292I$ $a = -0.547424 - 0.585652I$ $b = -1.39923 + 0.32564I$	$5.14581 - 3.16396I$	$-8.98175 + 2.83489I$
$u = -0.851808 - 0.911292I$ $a = -0.547424 + 0.585652I$ $b = -1.39923 - 0.32564I$	$5.14581 + 3.16396I$	$-8.98175 - 2.83489I$

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1, c_5	$(u^4 - u^3 + 3u^2 - 2u + 1)(u^{74} + 18u^{73} + \cdots - 3u + 1)$
c_2	$(u^4 - u^3 + u^2 + 1)(u^{74} - 2u^{73} + \cdots + 3u + 1)$
c_3	$(u^4 - u^3 + 3u^2 - 2u + 1)(u^{74} - 2u^{73} + \cdots + 9257u + 4777)$
c_4, c_{10}	$u^4(u^{74} - u^{73} + \cdots - 24u - 16)$
c_6	$(u^4 + u^3 + u^2 + 1)(u^{74} - 2u^{73} + \cdots + 3u + 1)$
c_7	$(u^4 + u^3 + 3u^2 + 2u + 1)(u^{74} + 18u^{73} + \cdots - 3u + 1)$
c_8, c_9	$((u - 1)^4)(u^{74} - 5u^{73} + \cdots + 5u - 1)$
c_{11}	$u^4(u^{74} + 27u^{73} + \cdots + 1344u + 256)$
c_{12}	$((u + 1)^4)(u^{74} - 5u^{73} + \cdots + 5u - 1)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1, c_5, c_7	$(y^4+5y^3+7y^2+2y+1)(y^{74}+78y^{73}+\cdots-75y+1)$
c_2, c_6	$(y^4+y^3+3y^2+2y+1)(y^{74}+18y^{73}+\cdots-3y+1)$
c_3	$(y^4+5y^3+7y^2+2y+1)$ $\cdot(y^{74}+18y^{73}+\cdots-14218575y+22819729)$
c_4, c_{10}	$y^4(y^{74}-27y^{73}+\cdots-1344y+256)$
c_8, c_9, c_{12}	$((y-1)^4)(y^{74}-63y^{73}+\cdots+3y+1)$
c_{11}	$y^4(y^{74}+33y^{73}+\cdots-20480y+65536)$