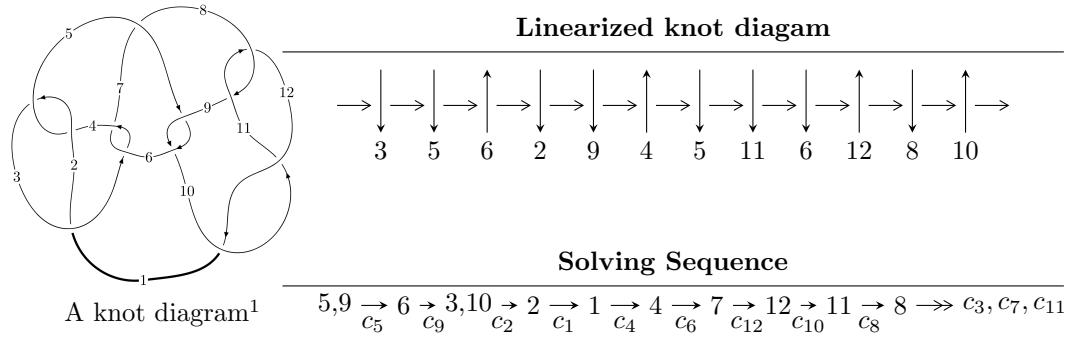


$12n_{0070}$ ($K12n_{0070}$)



Ideals for irreducible components² of X_{par}

$$I_1^u = \langle -2.79874 \times 10^{43} u^{47} + 4.02119 \times 10^{43} u^{46} + \dots + 8.11774 \times 10^{44} b + 8.69331 \times 10^{44},$$

$$8.37339 \times 10^{44} u^{47} - 7.89584 \times 10^{44} u^{46} + \dots + 8.11774 \times 10^{44} a + 8.23673 \times 10^{44}, u^{48} - 2u^{47} + \dots + u - 1 \rangle$$

$$I_2^u = \langle b + 1, -u^8 + 3u^6 + u^5 - 4u^4 - 2u^3 + u^2 + a + 2u + 1, u^9 + u^8 - 2u^7 - 3u^6 + u^5 + 3u^4 + 2u^3 - u - 1 \rangle$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 57 representations.

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

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

I.

$$I_1^u = \langle -2.80 \times 10^{43}u^{47} + 4.02 \times 10^{43}u^{46} + \dots + 8.12 \times 10^{44}u^{45} + 8.69 \times 10^{44}, 8.37 \times 10^{44}u^{47} - 7.90 \times 10^{44}u^{46} + \dots + 8.12 \times 10^{44}u^{45} + 8.24 \times 10^{44}, u^{48} - 2u^{47} + \dots + u - 1 \rangle$$

(i) Arc colorings

$$a_5 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

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

$$a_3 = \begin{pmatrix} -1.03149u^{47} + 0.972665u^{46} + \dots + 7.94786u - 1.01466 \\ 0.0344769u^{47} - 0.0495358u^{46} + \dots + 0.0738871u - 1.07090 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -u \\ -u^3 + u \end{pmatrix}$$

$$a_2 = \begin{pmatrix} -0.997016u^{47} + 0.923129u^{46} + \dots + 8.02175u - 2.08556 \\ 0.0344769u^{47} - 0.0495358u^{46} + \dots + 0.0738871u - 1.07090 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} 0.0331947u^{47} - 0.0856097u^{46} + \dots + 0.0573894u - 1.12853 \\ 0.0134332u^{47} - 0.0242057u^{46} + \dots + 0.0350763u - 0.0500498 \end{pmatrix}$$

$$a_4 = \begin{pmatrix} -1.02750u^{47} + 0.980811u^{46} + \dots + 7.96292u - 0.995240 \\ 0.0271246u^{47} - 0.0401768u^{46} + \dots + 0.0617487u - 1.05477 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} 0.0331947u^{47} - 0.0856097u^{46} + \dots + 0.0573894u - 1.12853 \\ 0.0231038u^{47} - 0.00484707u^{46} + \dots + 0.0173387u + 0.0308295 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 0.00227898u^{47} - 0.0424799u^{46} + \dots - 0.0132823u - 1.06795 \\ 0.0555135u^{47} - 0.0910188u^{46} + \dots + 0.0935339u - 0.129332 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -0.00405982u^{47} + 0.347568u^{46} + \dots - 0.370675u + 0.256769 \\ 0.0520834u^{47} - 0.385513u^{46} + \dots + 0.537247u + 0.0988580 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} 0.0100910u^{47} - 0.0807626u^{46} + \dots + 0.0400507u - 1.15936 \\ 0.0231038u^{47} - 0.00484707u^{46} + \dots + 0.0173387u + 0.0308295 \end{pmatrix}$$

(ii) Obstruction class = -1

(iii) Cusp Shapes = $-5.65697u^{47} + 10.4260u^{46} + \dots + 9.56539u - 4.59345$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{48} + 10u^{47} + \cdots + 29u + 1$
c_2, c_4	$u^{48} - 10u^{47} + \cdots + 9u - 1$
c_3, c_6	$u^{48} + 5u^{47} + \cdots + 2560u + 512$
c_5, c_9	$u^{48} + 2u^{47} + \cdots - u - 1$
c_7	$u^{48} - 10u^{47} + \cdots - 284463u - 118529$
c_8, c_{11}	$u^{48} - 2u^{47} + \cdots + 5u + 1$
c_{10}, c_{12}	$u^{48} - 18u^{47} + \cdots + 5u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{48} + 66y^{47} + \cdots - 29y + 1$
c_2, c_4	$y^{48} - 10y^{47} + \cdots - 29y + 1$
c_3, c_6	$y^{48} - 57y^{47} + \cdots - 6553600y + 262144$
c_5, c_9	$y^{48} - 10y^{47} + \cdots - 5y + 1$
c_7	$y^{48} + 46y^{47} + \cdots + 130798249663y + 14049123841$
c_8, c_{11}	$y^{48} + 18y^{47} + \cdots - 5y + 1$
c_{10}, c_{12}	$y^{48} + 26y^{47} + \cdots - 305y + 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.896760 + 0.394007I$		
$a = 1.195670 + 0.370079I$	$1.62098 + 2.77574I$	$0.84836 - 5.23754I$
$b = 0.334698 - 0.383487I$		
$u = -0.896760 - 0.394007I$		
$a = 1.195670 - 0.370079I$	$1.62098 - 2.77574I$	$0.84836 + 5.23754I$
$b = 0.334698 + 0.383487I$		
$u = 0.974989$		
$a = 1.02044$	-1.61952	-5.35010
$b = 0.393396$		
$u = -0.120610 + 0.916069I$		
$a = 0.235604 - 0.115451I$	$-0.93576 - 2.61420I$	$-0.93985 + 3.31089I$
$b = 0.343969 + 0.103094I$		
$u = -0.120610 - 0.916069I$		
$a = 0.235604 + 0.115451I$	$-0.93576 + 2.61420I$	$-0.93985 - 3.31089I$
$b = 0.343969 - 0.103094I$		
$u = -0.738807 + 0.549894I$		
$a = 0.165480 - 1.227210I$	$-0.48319 + 6.71552I$	$-4.51681 - 9.54041I$
$b = -0.486703 + 1.024080I$		
$u = -0.738807 - 0.549894I$		
$a = 0.165480 + 1.227210I$	$-0.48319 - 6.71552I$	$-4.51681 + 9.54041I$
$b = -0.486703 - 1.024080I$		
$u = -0.599663 + 0.680544I$		
$a = 0.187949 - 0.890060I$	$2.76925 + 1.42198I$	$2.53709 - 3.03057I$
$b = -0.049207 + 0.720509I$		
$u = -0.599663 - 0.680544I$		
$a = 0.187949 + 0.890060I$	$2.76925 - 1.42198I$	$2.53709 + 3.03057I$
$b = -0.049207 - 0.720509I$		
$u = 0.697412 + 0.490405I$		
$a = 0.242589 + 1.252710I$	$-1.49634 - 1.82392I$	$-7.12758 + 4.49809I$
$b = -0.620253 - 0.841171I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.697412 - 0.490405I$		
$a = 0.242589 - 1.252710I$	$-1.49634 + 1.82392I$	$-7.12758 - 4.49809I$
$b = -0.620253 + 0.841171I$		
$u = 0.741862 + 0.199966I$		
$a = -0.024215 + 0.937984I$	$-3.92122 - 4.12814I$	$-11.08539 + 6.80823I$
$b = -1.35488 - 0.46391I$		
$u = 0.741862 - 0.199966I$		
$a = -0.024215 - 0.937984I$	$-3.92122 + 4.12814I$	$-11.08539 - 6.80823I$
$b = -1.35488 + 0.46391I$		
$u = -0.732347 + 0.133432I$		
$a = -0.169686 - 0.690549I$	$-4.22436 - 0.79348I$	$-12.24074 + 0.40151I$
$b = -1.41588 + 0.30582I$		
$u = -0.732347 - 0.133432I$		
$a = -0.169686 + 0.690549I$	$-4.22436 + 0.79348I$	$-12.24074 - 0.40151I$
$b = -1.41588 - 0.30582I$		
$u = -0.837259 + 0.941864I$		
$a = -0.544783 - 0.719252I$	$5.63113 + 1.53351I$	0
$b = 0.782990 + 1.125810I$		
$u = -0.837259 - 0.941864I$		
$a = -0.544783 + 0.719252I$	$5.63113 - 1.53351I$	0
$b = 0.782990 - 1.125810I$		
$u = 0.861555 + 0.923996I$		
$a = -0.593554 + 0.787088I$	$7.43222 - 6.89004I$	0
$b = 0.79140 - 1.22798I$		
$u = 0.861555 - 0.923996I$		
$a = -0.593554 - 0.787088I$	$7.43222 + 6.89004I$	0
$b = 0.79140 + 1.22798I$		
$u = -0.517390 + 0.487120I$		
$a = 1.92274 - 0.32819I$	$-0.09198 - 2.92294I$	$-2.75678 + 1.45029I$
$b = -0.312068 - 0.327759I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.517390 - 0.487120I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 1.92274 + 0.32819I$	$-0.09198 + 2.92294I$	$-2.75678 - 1.45029I$
$b = -0.312068 + 0.327759I$		
$u = 0.871406 + 0.978758I$		
$a = -0.658628 + 0.639461I$	$11.29790 + 0.41096I$	0
$b = 0.95026 - 1.11406I$		
$u = 0.871406 - 0.978758I$		
$a = -0.658628 - 0.639461I$	$11.29790 - 0.41096I$	0
$b = 0.95026 + 1.11406I$		
$u = 1.002820 + 0.849357I$		
$a = 0.72578 - 1.44875I$	$6.96696 + 0.32370I$	0
$b = 0.939578 + 1.008210I$		
$u = 1.002820 - 0.849357I$		
$a = 0.72578 + 1.44875I$	$6.96696 - 0.32370I$	0
$b = 0.939578 - 1.008210I$		
$u = 1.271800 + 0.367688I$		
$a = 0.720656 - 0.331546I$	$-5.31134 - 1.83633I$	0
$b = 0.681047 + 0.240011I$		
$u = 1.271800 - 0.367688I$		
$a = 0.720656 + 0.331546I$	$-5.31134 + 1.83633I$	0
$b = 0.681047 - 0.240011I$		
$u = -0.844944 + 1.021610I$		
$a = -0.595460 - 0.519471I$	$5.10392 - 1.89300I$	0
$b = 0.959842 + 0.954036I$		
$u = -0.844944 - 1.021610I$		
$a = -0.595460 + 0.519471I$	$5.10392 + 1.89300I$	0
$b = 0.959842 - 0.954036I$		
$u = -1.030920 + 0.851423I$		
$a = 0.63113 + 1.38478I$	$5.00640 + 5.09433I$	0
$b = 0.990071 - 0.940352I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -1.030920 - 0.851423I$		
$a = 0.63113 - 1.38478I$	$5.00640 - 5.09433I$	0
$b = 0.990071 + 0.940352I$		
$u = -1.266230 + 0.463136I$		
$a = 0.690484 + 0.432110I$	$-4.61107 + 7.74308I$	0
$b = 0.720279 - 0.304393I$		
$u = -1.266230 - 0.463136I$		
$a = 0.690484 - 0.432110I$	$-4.61107 - 7.74308I$	0
$b = 0.720279 + 0.304393I$		
$u = 0.867259 + 1.032790I$		
$a = -0.651865 + 0.488809I$	$6.65683 + 7.53345I$	0
$b = 1.034680 - 0.958036I$		
$u = 0.867259 - 1.032790I$		
$a = -0.651865 - 0.488809I$	$6.65683 - 7.53345I$	0
$b = 1.034680 + 0.958036I$		
$u = 0.516744 + 0.394217I$		
$a = 0.62833 + 1.70615I$	$-0.88029 - 1.27188I$	$-6.26432 + 4.55192I$
$b = -0.701706 - 0.277894I$		
$u = 0.516744 - 0.394217I$		
$a = 0.62833 - 1.70615I$	$-0.88029 + 1.27188I$	$-6.26432 - 4.55192I$
$b = -0.701706 + 0.277894I$		
$u = 1.029070 + 0.891394I$		
$a = 0.52071 - 1.51346I$	$10.77840 - 7.27793I$	0
$b = 1.09974 + 1.00345I$		
$u = 1.029070 - 0.891394I$		
$a = 0.52071 + 1.51346I$	$10.77840 + 7.27793I$	0
$b = 1.09974 - 1.00345I$		
$u = 0.421301 + 0.450001I$		
$a = 1.94355 + 1.59209I$	$-0.95094 - 1.38886I$	$-6.78496 + 5.34534I$
$b = -0.639240 + 0.073730I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.421301 - 0.450001I$		
$a = 1.94355 - 1.59209I$	$-0.95094 + 1.38886I$	$-6.78496 - 5.34534I$
$b = -0.639240 - 0.073730I$		
$u = -1.062880 + 0.898984I$		
$a = 0.39761 + 1.42135I$	$4.39176 + 8.90399I$	0
$b = 1.16352 - 0.90692I$		
$u = -1.062880 - 0.898984I$		
$a = 0.39761 - 1.42135I$	$4.39176 - 8.90399I$	0
$b = 1.16352 + 0.90692I$		
$u = 1.059770 + 0.914043I$		
$a = 0.35101 - 1.47183I$	$6.0154 - 14.6316I$	0
$b = 1.20972 + 0.93066I$		
$u = 1.059770 - 0.914043I$		
$a = 0.35101 + 1.47183I$	$6.0154 + 14.6316I$	0
$b = 1.20972 - 0.93066I$		
$u = -0.501063$		
$a = -2.33906$	-2.23585	-0.442570
$b = -1.11935$		
$u = 0.069842 + 0.433647I$		
$a = 7.33822 + 1.47455I$	$-1.95643 + 2.20437I$	$21.2973 + 12.8131I$
$b = -1.058890 + 0.041997I$		
$u = 0.069842 - 0.433647I$		
$a = 7.33822 - 1.47455I$	$-1.95643 - 2.20437I$	$21.2973 - 12.8131I$
$b = -1.058890 - 0.041997I$		

$$\text{II. } I_2^u = \langle b + 1, -u^8 + 3u^6 + u^5 - 4u^4 - 2u^3 + u^2 + a + 2u + 1, u^9 + u^8 - 2u^7 - 3u^6 + u^5 + 3u^4 + 2u^3 - u - 1 \rangle$$

(i) **Arc colorings**

$$\begin{aligned} a_5 &= \begin{pmatrix} 1 \\ 0 \end{pmatrix} \\ a_9 &= \begin{pmatrix} 0 \\ u \end{pmatrix} \\ a_6 &= \begin{pmatrix} 1 \\ u^2 \end{pmatrix} \\ a_3 &= \begin{pmatrix} u^8 - 3u^6 - u^5 + 4u^4 + 2u^3 - u^2 - 2u - 1 \\ -1 \end{pmatrix} \\ a_{10} &= \begin{pmatrix} -u \\ -u^3 + u \end{pmatrix} \\ a_2 &= \begin{pmatrix} u^8 - 3u^6 - u^5 + 4u^4 + 2u^3 - u^2 - 2u - 2 \\ -1 \end{pmatrix} \\ a_1 &= \begin{pmatrix} -1 \\ 0 \end{pmatrix} \\ a_4 &= \begin{pmatrix} u^8 - 3u^6 - u^5 + 4u^4 + 2u^3 - u^2 - 2u - 1 \\ -1 \end{pmatrix} \\ a_7 &= \begin{pmatrix} 1 \\ u^2 \end{pmatrix} \\ a_{12} &= \begin{pmatrix} -u^4 + u^2 - 1 \\ -u^6 + 2u^4 - u^2 \end{pmatrix} \\ a_{11} &= \begin{pmatrix} -u^7 + 2u^5 - 2u^3 \\ u^8 + u^7 - 3u^6 - 2u^5 + 3u^4 + 2u^3 - 1 \end{pmatrix} \\ a_8 &= \begin{pmatrix} -u^2 + 1 \\ u^2 \end{pmatrix} \end{aligned}$$

(ii) **Obstruction class = 1**

(iii) **Cusp Shapes** = $-u^8 - 6u^7 + 2u^6 + 13u^5 + 2u^4 - 13u^3 - 5u^2 - 4u - 6$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_2	$(u - 1)^9$
c_3, c_6	u^9
c_4	$(u + 1)^9$
c_5	$u^9 + u^8 - 2u^7 - 3u^6 + u^5 + 3u^4 + 2u^3 - u - 1$
c_7	$u^9 + 5u^8 + 12u^7 + 15u^6 + 9u^5 - u^4 - 4u^3 - 2u^2 + u + 1$
c_8	$u^9 + u^8 + 2u^7 + u^6 + 3u^5 + u^4 + 2u^3 + u - 1$
c_9	$u^9 - u^8 - 2u^7 + 3u^6 + u^5 - 3u^4 + 2u^3 - u + 1$
c_{10}	$u^9 + 3u^8 + 8u^7 + 13u^6 + 17u^5 + 17u^4 + 12u^3 + 6u^2 + u - 1$
c_{11}	$u^9 - u^8 + 2u^7 - u^6 + 3u^5 - u^4 + 2u^3 + u + 1$
c_{12}	$u^9 - 3u^8 + 8u^7 - 13u^6 + 17u^5 - 17u^4 + 12u^3 - 6u^2 + u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_2, c_4	$(y - 1)^9$
c_3, c_6	y^9
c_5, c_9	$y^9 - 5y^8 + 12y^7 - 15y^6 + 9y^5 + y^4 - 4y^3 + 2y^2 + y - 1$
c_7	$y^9 - y^8 + 12y^7 - 7y^6 + 37y^5 + y^4 - 10y^2 + 5y - 1$
c_8, c_{11}	$y^9 + 3y^8 + 8y^7 + 13y^6 + 17y^5 + 17y^4 + 12y^3 + 6y^2 + y - 1$
c_{10}, c_{12}	$y^9 + 7y^8 + 20y^7 + 25y^6 + 5y^5 - 15y^4 + 22y^2 + 13y - 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.772920 + 0.510351I$		
$a = -0.457852 - 1.072010I$	$0.13850 + 2.09337I$	$-2.03658 - 4.61282I$
$b = -1.00000$		
$u = -0.772920 - 0.510351I$		
$a = -0.457852 + 1.072010I$	$0.13850 - 2.09337I$	$-2.03658 + 4.61282I$
$b = -1.00000$		
$u = 0.825933$		
$a = -1.46592$	-2.84338	-15.2670
$b = -1.00000$		
$u = 1.173910 + 0.391555I$		
$a = -0.522253 + 0.392004I$	$-6.01628 - 1.33617I$	$-12.05808 - 1.14063I$
$b = -1.00000$		
$u = 1.173910 - 0.391555I$		
$a = -0.522253 - 0.392004I$	$-6.01628 + 1.33617I$	$-12.05808 + 1.14063I$
$b = -1.00000$		
$u = -0.141484 + 0.739668I$		
$a = 1.63880 - 0.65075I$	$-2.26187 - 2.45442I$	$-8.82413 + 4.82524I$
$b = -1.00000$		
$u = -0.141484 - 0.739668I$		
$a = 1.63880 + 0.65075I$	$-2.26187 + 2.45442I$	$-8.82413 - 4.82524I$
$b = -1.00000$		
$u = -1.172470 + 0.500383I$		
$a = -0.425734 - 0.444312I$	$-5.24306 + 7.08493I$	$-9.44791 - 3.65320I$
$b = -1.00000$		
$u = -1.172470 - 0.500383I$		
$a = -0.425734 + 0.444312I$	$-5.24306 - 7.08493I$	$-9.44791 + 3.65320I$
$b = -1.00000$		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$((u - 1)^9)(u^{48} + 10u^{47} + \dots + 29u + 1)$
c_2	$((u - 1)^9)(u^{48} - 10u^{47} + \dots + 9u - 1)$
c_3, c_6	$u^9(u^{48} + 5u^{47} + \dots + 2560u + 512)$
c_4	$((u + 1)^9)(u^{48} - 10u^{47} + \dots + 9u - 1)$
c_5	$(u^9 + u^8 + \dots - u - 1)(u^{48} + 2u^{47} + \dots - u - 1)$
c_7	$(u^9 + 5u^8 + 12u^7 + 15u^6 + 9u^5 - u^4 - 4u^3 - 2u^2 + u + 1) \cdot (u^{48} - 10u^{47} + \dots - 284463u - 118529)$
c_8	$(u^9 + u^8 + \dots + u - 1)(u^{48} - 2u^{47} + \dots + 5u + 1)$
c_9	$(u^9 - u^8 + \dots - u + 1)(u^{48} + 2u^{47} + \dots - u - 1)$
c_{10}	$(u^9 + 3u^8 + 8u^7 + 13u^6 + 17u^5 + 17u^4 + 12u^3 + 6u^2 + u - 1) \cdot (u^{48} - 18u^{47} + \dots + 5u + 1)$
c_{11}	$(u^9 - u^8 + \dots + u + 1)(u^{48} - 2u^{47} + \dots + 5u + 1)$
c_{12}	$(u^9 - 3u^8 + 8u^7 - 13u^6 + 17u^5 - 17u^4 + 12u^3 - 6u^2 + u + 1) \cdot (u^{48} - 18u^{47} + \dots + 5u + 1)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$((y - 1)^9)(y^{48} + 66y^{47} + \dots - 29y + 1)$
c_2, c_4	$((y - 1)^9)(y^{48} - 10y^{47} + \dots - 29y + 1)$
c_3, c_6	$y^9(y^{48} - 57y^{47} + \dots - 6553600y + 262144)$
c_5, c_9	$(y^9 - 5y^8 + 12y^7 - 15y^6 + 9y^5 + y^4 - 4y^3 + 2y^2 + y - 1) \cdot (y^{48} - 10y^{47} + \dots - 5y + 1)$
c_7	$(y^9 - y^8 + 12y^7 - 7y^6 + 37y^5 + y^4 - 10y^2 + 5y - 1) \cdot (y^{48} + 46y^{47} + \dots + 130798249663y + 14049123841)$
c_8, c_{11}	$(y^9 + 3y^8 + 8y^7 + 13y^6 + 17y^5 + 17y^4 + 12y^3 + 6y^2 + y - 1) \cdot (y^{48} + 18y^{47} + \dots - 5y + 1)$
c_{10}, c_{12}	$(y^9 + 7y^8 + 20y^7 + 25y^6 + 5y^5 - 15y^4 + 22y^2 + 13y - 1) \cdot (y^{48} + 26y^{47} + \dots - 305y + 1)$