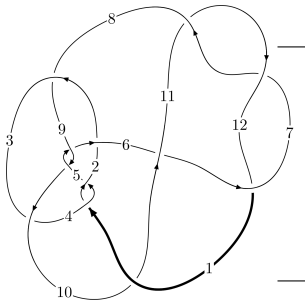
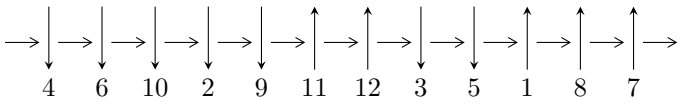
$12a_{0945}$ $(K12a_{0945})$



A knot diagram[1]

Linearized knot diagam



Solving Sequence

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

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

$$\begin{aligned} I_1^u = \langle & 1.02739 \times 10^{332} u^{98} - 2.37382 \times 10^{331} u^{97} + \cdots + 3.74964 \times 10^{331} b - 1.45413 \times 10^{332}, \\ & - 1.49879 \times 10^{332} u^{98} + 7.34438 \times 10^{331} u^{97} + \cdots + 3.74964 \times 10^{331} a + 3.88173 \times 10^{332}, \\ & u^{99} - u^{98} + \cdots + 23u^2 + 1 \rangle \end{aligned}$$

* 1 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 99 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. $\boldsymbol{I_1^u = \langle 1.03 \times 10^{332} u^{98} - 2.37 \times 10^{331} u^{97} + \cdots + 3.75 \times 10^{331} b - 1.45 \times 10^{332},\ -1.50 \times 10^{332} u^{98} + 7.34 \times 10^{331} u^{97} + \cdots + 3.75 \times 10^{331} a + 3.88 \times 10^{332},\ u^{99} - u^{98} + \cdots + 23 u^2 + 1 \rangle}$

(i) Arc colorings

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

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

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

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

$$a_{10} = \begin{pmatrix} 3.99717u^{98} - 1.95869u^{97} + \cdots + 5.84289u - 10.3523 \\ -2.73998u^{98} + 0.633079u^{97} + \cdots + 11.1270u + 3.87805 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 1.49086u^{98} - 1.37385u^{97} + \cdots + 10.6124u - 7.30046 \\ -3.56577u^{98} + 0.832592u^{97} + \cdots + 13.3902u + 5.00840 \end{pmatrix}$$

$$a_3 = \begin{pmatrix} 1.93055u^{98} - 4.68758u^{97} + \cdots + 18.1992u + 7.78150 \\ 0.155337u^{98} - 1.61346u^{97} + \cdots - 1.45150u + 2.25046 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} 1.25719u^{98} - 1.32561u^{97} + \cdots + 16.9699u - 6.47424 \\ -2.73998u^{98} + 0.633079u^{97} + \cdots + 11.1270u + 3.87805 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} 1.93654u^{98} + 1.72896u^{97} + \cdots - 27.0840u - 7.72022 \\ -4.92304u^{98} + 0.941981u^{97} + \cdots + 8.31108u + 5.39610 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} 0.371340u^{98} + 1.23713u^{97} + \cdots - 22.3156u - 0.337780 \\ 1.37216u^{98} - 0.185051u^{97} + \cdots - 5.23013u - 2.09610 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} 0.277222u^{98} - 0.970149u^{97} + \cdots + 24.8608u - 5.43616 \\ -2.32353u^{98} + 0.371790u^{97} + \cdots + 10.4207u + 3.83701 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 0.402554u^{98} - 0.156919u^{97} + \cdots + 23.0714u - 6.03950 \\ -1.47855u^{98} + 0.456172u^{97} + \cdots + 8.63301u + 1.93043 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= 4.12981u^{98} + 4.34684u^{97} + \cdots - 11.0775u - 8.25641$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_4	$u^{99} - u^{98} + \cdots + 23u^2 + 1$
c_2	$u^{99} - 17u^{98} + \cdots - 188u + 19$
c_3	$u^{99} - u^{98} + \cdots + 140544u + 38593$
c_5, c_9	$u^{99} + 3u^{98} + \cdots + 4u + 1$
c_6	$u^{99} + 3u^{98} + \cdots + 27558u + 10961$
c_7, c_{11}, c_{12}	$u^{99} - 3u^{98} + \cdots - 5u^2 + 1$
c_8	$u^{99} + u^{98} + \cdots + 2u + 1$
c_{10}	$u^{99} + 17u^{98} + \cdots - 745808u - 47873$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_4	$y^{99} - 65y^{98} + \cdots - 46y - 1$
c_2	$y^{99} + 167y^{98} + \cdots + 15926y - 361$
c_3	$y^{99} - 173y^{98} + \cdots + 31500556694y - 1489419649$
c_5, c_9	$y^{99} + 59y^{98} + \cdots + 10y - 1$
c_6	$y^{99} + 23y^{98} + \cdots - 2411815078y - 120143521$
c_7, c_{11}, c_{12}	$y^{99} + 91y^{98} + \cdots + 10y - 1$
c_8	$y^{99} + 3y^{98} + \cdots + 66y - 1$
c_{10}	$y^{99} + 63y^{98} + \cdots + 18472642594y - 2291824129$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.994492+0.018996I$ $a=-8.09675+8.01488I$ $b=\ \ 0.036500+1.030300I$	$-5.85875+4.44226I$	0
$u=-0.994492-0.018996I$ $a=-8.09675-8.01488I$ $b=\ \ 0.036500-1.030300I$	$-5.85875-4.44226I$	0
$u=\ \ 0.975049+0.188085I$ $a=\ \ 1.70227+0.71514I$ $b=-0.86106-1.23598I$	$-0.83712-3.39889I$	0
$u=\ \ 0.975049-0.188085I$ $a=\ \ 1.70227-0.71514I$ $b=-0.86106+1.23598I$	$-0.83712+3.39889I$	0
$u=-0.983393+0.005334I$ $a=\ \ 10.61980+0.36470I$ $b=-0.046544+0.996080I$	$-0.29450-1.51441I$	0
$u=-0.983393-0.005334I$ $a=\ \ 10.61980-0.36470I$ $b=-0.046544-0.996080I$	$-0.29450+1.51441I$	0
$u=\ \ 0.940357+0.256776I$ $a=\ \ 1.52630-0.64498I$ $b=-1.120820+0.374656I$	$-3.47108-4.80291I$	0
$u=\ \ 0.940357-0.256776I$ $a=\ \ 1.52630+0.64498I$ $b=-1.120820-0.374656I$	$-3.47108+4.80291I$	0
$u=\ \ 1.015250+0.168887I$ $a=\ \ 0.501708-0.911504I$ $b=-0.40788+1.65089I$	$-5.64603-6.02681I$	0
$u=\ \ 1.015250-0.168887I$ $a=\ \ 0.501708+0.911504I$ $b=-0.40788-1.65089I$	$-5.64603+6.02681I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.372488 + 0.867010I$ $a = 0.0622155 - 0.1044290I$ $b = 0.329059 - 1.244270I$	$5.94439 + 2.18444I$	0
$u = 0.372488 - 0.867010I$ $a = 0.0622155 + 0.1044290I$ $b = 0.329059 + 1.244270I$	$5.94439 - 2.18444I$	0
$u = 0.305094 + 1.030890I$ $a = 0.056979 + 0.202482I$ $b = -0.357545 + 1.219710I$	$2.48048 + 5.30165I$	0
$u = 0.305094 - 1.030890I$ $a = 0.056979 - 0.202482I$ $b = -0.357545 - 1.219710I$	$2.48048 - 5.30165I$	0
$u = 0.901677 + 0.097789I$ $a = -0.216939 + 1.082560I$ $b = 0.20471 - 1.71903I$	$0.62004 - 2.35166I$	0
$u = 0.901677 - 0.097789I$ $a = -0.216939 - 1.082560I$ $b = 0.20471 + 1.71903I$	$0.62004 + 2.35166I$	0
$u = -0.509715 + 0.746888I$ $a = -0.169108 + 0.504425I$ $b = 0.533589 + 0.088687I$	$-7.28561 - 1.78675I$	0
$u = -0.509715 - 0.746888I$ $a = -0.169108 - 0.504425I$ $b = 0.533589 - 0.088687I$	$-7.28561 + 1.78675I$	0
$u = -0.222287 + 0.862791I$ $a = 0.302618 - 0.658490I$ $b = -0.607223 - 0.026295I$	$-6.34251 + 7.39460I$	0
$u = -0.222287 - 0.862791I$ $a = 0.302618 + 0.658490I$ $b = -0.607223 + 0.026295I$	$-6.34251 - 7.39460I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 1.025930 + 0.444337I$ $a = 1.71502 + 0.33410I$ $b = -0.661676 - 1.231940I$	$0.29849 - 3.48845I$	0
$u = 1.025930 - 0.444337I$ $a = 1.71502 - 0.33410I$ $b = -0.661676 + 1.231940I$	$0.29849 + 3.48845I$	0
$u = -1.105620 + 0.182833I$ $a = -1.53301 + 0.66453I$ $b = 0.149783 - 0.858878I$	$-0.893637 + 0.928581I$	0
$u = -1.105620 - 0.182833I$ $a = -1.53301 - 0.66453I$ $b = 0.149783 + 0.858878I$	$-0.893637 - 0.928581I$	0
$u = -1.052710 + 0.386949I$ $a = -0.139428 + 0.138796I$ $b = 0.348717 + 0.244272I$	$-4.88550 + 1.29779I$	0
$u = -1.052710 - 0.386949I$ $a = -0.139428 - 0.138796I$ $b = 0.348717 - 0.244272I$	$-4.88550 - 1.29779I$	0
$u = 0.490947 + 0.724635I$ $a = -0.115757 - 0.091258I$ $b = -0.308124 + 1.285350I$	$1.98588 - 0.94910I$	0
$u = 0.490947 - 0.724635I$ $a = -0.115757 + 0.091258I$ $b = -0.308124 - 1.285350I$	$1.98588 + 0.94910I$	0
$u = 0.024409 + 1.144880I$ $a = 0.161084 + 0.384659I$ $b = -0.368663 + 1.164000I$	$1.78944 + 4.02340I$	0
$u = 0.024409 - 1.144880I$ $a = 0.161084 - 0.384659I$ $b = -0.368663 - 1.164000I$	$1.78944 - 4.02340I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.725573+0.425618I$ $a=\ \ 1.29629+1.12020I$ $b=-0.236866+0.999057I$	$1.10389+2.20019I$	0
$u=-0.725573-0.425618I$ $a=\ \ 1.29629-1.12020I$ $b=-0.236866-0.999057I$	$1.10389-2.20019I$	0
$u=-0.844241+0.798032I$ $a=-0.781444-0.619640I$ $b=\ \ 0.326365-0.989143I$	$-3.03348+4.34292I$	0
$u=-0.844241-0.798032I$ $a=-0.781444+0.619640I$ $b=\ \ 0.326365+0.989143I$	$-3.03348-4.34292I$	0
$u=-0.814307+0.082370I$ $a=-3.09073-1.58258I$ $b=\ \ 0.147889-1.005710I$	$-1.93903+0.16998I$	0
$u=-0.814307-0.082370I$ $a=-3.09073+1.58258I$ $b=\ \ 0.147889+1.005710I$	$-1.93903-0.16998I$	0
$u=\ \ 0.818015+0.013466I$ $a=-1.83249+0.88185I$ $b=\ \ 1.032470-0.802275I$	$1.061010-0.905393I$	0
$u=\ \ 0.818015-0.013466I$ $a=-1.83249-0.88185I$ $b=\ \ 1.032470+0.802275I$	$1.061010+0.905393I$	0
$u=\ \ 1.171430+0.160474I$ $a=-1.35590-0.61144I$ $b=\ \ 0.73024+1.40259I$	$-8.18419-5.25528I$	0
$u=\ \ 1.171430-0.160474I$ $a=-1.35590+0.61144I$ $b=\ \ 0.73024-1.40259I$	$-8.18419+5.25528I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.814684$ $a=-0.0793313$ $b=-0.268977$	-1.15052	-10.1560
$u=-0.201959+0.761271I$ $a=-0.248856+0.715476I$ $b=\ \ 0.583104+0.002888I$	$-0.70303+4.11723I$	0
$u=-0.201959-0.761271I$ $a=-0.248856-0.715476I$ $b=\ \ 0.583104-0.002888I$	$-0.70303-4.11723I$	0
$u=-0.133156+1.210760I$ $a=-0.248294-0.438800I$ $b=\ \ 0.378986-1.135900I$	$-4.35827+1.78343I$	0
$u=-0.133156-1.210760I$ $a=-0.248294+0.438800I$ $b=\ \ 0.378986+1.135900I$	$-4.35827-1.78343I$	0
$u=\ \ 1.113910+0.518276I$ $a=-1.63257-0.22728I$ $b=\ \ 0.627590+1.260540I$	$3.60786-7.23643I$	0
$u=\ \ 1.113910-0.518276I$ $a=-1.63257+0.22728I$ $b=\ \ 0.627590-1.260540I$	$3.60786+7.23643I$	0
$u=\ \ 0.091381+1.259280I$ $a=-0.206832-0.324273I$ $b=\ \ 0.389645-1.173270I$	$2.61420+7.82431I$	0
$u=\ \ 0.091381-1.259280I$ $a=-0.206832+0.324273I$ $b=\ \ 0.389645+1.173270I$	$2.61420-7.82431I$	0
$u=\ \ 1.270440+0.319765I$ $a=\ \ 1.323150-0.301719I$ $b=-1.147510+0.129638I$	$-6.03634-3.86723I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 1.270440 - 0.319765I$ $a = 1.323150 + 0.301719I$ $b = -1.147510 - 0.129638I$	$-6.03634 + 3.86723I$	0
$u = 1.186390 + 0.567593I$ $a = 1.57142 + 0.16120I$ $b = -0.60806 - 1.27771I$	$-0.32932 - 10.94210I$	0
$u = 1.186390 - 0.567593I$ $a = 1.57142 - 0.16120I$ $b = -0.60806 + 1.27771I$	$-0.32932 + 10.94210I$	0
$u = -0.351502 + 0.583602I$ $a = 0.045268 - 0.641591I$ $b = -0.505707 - 0.020078I$	$-1.42824 + 0.58824I$	$-6.32763 + 0.I$
$u = -0.351502 - 0.583602I$ $a = 0.045268 + 0.641591I$ $b = -0.505707 + 0.020078I$	$-1.42824 - 0.58824I$	$-6.32763 + 0.I$
$u = 0.080166 + 1.328970I$ $a = 0.239652 + 0.318158I$ $b = -0.400675 + 1.169980I$	$-3.08712 + 11.21620I$	0
$u = 0.080166 - 1.328970I$ $a = 0.239652 - 0.318158I$ $b = -0.400675 - 1.169980I$	$-3.08712 - 11.21620I$	0
$u = 1.293750 + 0.385495I$ $a = -1.268880 + 0.317852I$ $b = 1.120670 - 0.123023I$	$-5.16454 - 8.24227I$	0
$u = 1.293750 - 0.385495I$ $a = -1.268880 - 0.317852I$ $b = 1.120670 + 0.123023I$	$-5.16454 + 8.24227I$	0
$u = 1.335970 + 0.253610I$ $a = -1.323960 + 0.222139I$ $b = 1.164640 - 0.095026I$	$-12.94020 - 1.45742I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 1.335970 - 0.253610I$ $a = -1.323960 - 0.222139I$ $b = 1.164640 + 0.095026I$	$-12.94020 + 1.45742I$	0
$u = 1.332610 + 0.410531I$ $a = 1.238100 - 0.304781I$ $b = -1.111890 + 0.110138I$	$-11.0505 - 11.9189I$	0
$u = 1.332610 - 0.410531I$ $a = 1.238100 + 0.304781I$ $b = -1.111890 - 0.110138I$	$-11.0505 + 11.9189I$	0
$u = -1.42681 + 0.24216I$ $a = 0.712034 - 0.124915I$ $b = -0.285167 + 0.736373I$	$-5.40693 + 1.49418I$	0
$u = -1.42681 - 0.24216I$ $a = 0.712034 + 0.124915I$ $b = -0.285167 - 0.736373I$	$-5.40693 - 1.49418I$	0
$u = 1.34786 + 0.55727I$ $a = 1.43150 + 0.12722I$ $b = -0.59525 - 1.31276I$	$-2.33740 - 9.95857I$	0
$u = 1.34786 - 0.55727I$ $a = 1.43150 - 0.12722I$ $b = -0.59525 + 1.31276I$	$-2.33740 + 9.95857I$	0
$u = 1.38738 + 0.50905I$ $a = -1.386450 - 0.150028I$ $b = 0.59836 + 1.32454I$	$-9.12270 - 7.60585I$	0
$u = 1.38738 - 0.50905I$ $a = -1.386450 + 0.150028I$ $b = 0.59836 - 1.32454I$	$-9.12270 + 7.60585I$	0
$u = -1.45704 + 0.27018I$ $a = 0.329760 - 0.023893I$ $b = -0.353412 - 0.464496I$	$-3.73507 + 1.99100I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.45704-0.27018I$ $a=\ \ 0.329760+0.023893I$ $b=-0.353412+0.464496I$	$-3.73507-1.99100I$	0
$u=\ \ 1.36786+0.59962I$ $a=-1.42831-0.09018I$ $b=\ \ 0.58643+1.31207I$	$-1.4502-14.2394I$	0
$u=\ \ 1.36786-0.59962I$ $a=-1.42831+0.09018I$ $b=\ \ 0.58643-1.31207I$	$-1.4502+14.2394I$	0
$u=\ \ 0.137003+0.479807I$ $a=\ \ 0.415392-1.273760I$ $b=-0.573266+0.183599I$	$-1.49366+1.81906I$	$-1.74281-3.69548I$
$u=\ \ 0.137003-0.479807I$ $a=\ \ 0.415392+1.273760I$ $b=-0.573266-0.183599I$	$-1.49366-1.81906I$	$-1.74281+3.69548I$
$u=-1.33451+0.72094I$ $a=-0.795110-0.245516I$ $b=\ \ 0.365795-0.879457I$	$-2.92305+1.66150I$	0
$u=-1.33451-0.72094I$ $a=-0.795110+0.245516I$ $b=\ \ 0.365795+0.879457I$	$-2.92305-1.66150I$	0
$u=-1.51217+0.15103I$ $a=-0.384725-0.022882I$ $b=\ \ 0.336258+0.528779I$	$-3.83043-1.65845I$	0
$u=-1.51217-0.15103I$ $a=-0.384725+0.022882I$ $b=\ \ 0.336258-0.528779I$	$-3.83043+1.65845I$	0
$u=\ \ 1.39495+0.61409I$ $a=\ \ 1.41261+0.07302I$ $b=-0.58199-1.31505I$	$-7.2935-17.8795I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 1.39495 - 0.61409I$ $a = 1.41261 - 0.07302I$ $b = -0.58199 + 1.31505I$	$-7.2935 + 17.8795I$	0
$u = -1.28110 + 0.84155I$ $a = 0.760307 + 0.307367I$ $b = -0.379856 + 0.907214I$	$-2.60113 + 5.38027I$	0
$u = -1.28110 - 0.84155I$ $a = 0.760307 - 0.307367I$ $b = -0.379856 - 0.907214I$	$-2.60113 - 5.38027I$	0
$u = -1.51624 + 0.33515I$ $a = -0.348799 + 0.058863I$ $b = 0.393435 + 0.465014I$	$-9.58932 + 4.99478I$	0
$u = -1.51624 - 0.33515I$ $a = -0.348799 - 0.058863I$ $b = 0.393435 - 0.465014I$	$-9.58932 - 4.99478I$	0
$u = -1.32704 + 0.90872I$ $a = -0.723788 - 0.302511I$ $b = 0.397500 - 0.908490I$	$-8.44003 + 8.52317I$	0
$u = -1.32704 - 0.90872I$ $a = -0.723788 + 0.302511I$ $b = 0.397500 + 0.908490I$	$-8.44003 - 8.52317I$	0
$u = -1.60381 + 0.15830I$ $a = 0.418149 - 0.011118I$ $b = -0.375095 - 0.547160I$	$-9.73725 - 4.53902I$	0
$u = -1.60381 - 0.15830I$ $a = 0.418149 + 0.011118I$ $b = -0.375095 + 0.547160I$	$-9.73725 + 4.53902I$	0
$u = -1.44341 + 0.73730I$ $a = 0.746384 + 0.216819I$ $b = -0.387157 + 0.863065I$	$-8.91446 - 1.06218I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.44341-0.73730I$ $a=\ \ 0.746384-0.216819I$ $b=-0.387157-0.863065I$	$-8.91446+1.06218I$	0
$u=\ \ 0.263548+0.166515I$ $a=\ \ 3.54408+1.76475I$ $b=-0.391506-0.811020I$	$-3.86603+4.15313I$	$-1.33182-1.44818I$
$u=\ \ 0.263548-0.166515I$ $a=\ \ 3.54408-1.76475I$ $b=-0.391506+0.811020I$	$-3.86603-4.15313I$	$-1.33182+1.44818I$
$u=\ \ 0.291799+0.090574I$ $a=-1.56516+2.32607I$ $b=\ \ 0.466028-0.523896I$	$1.26906-0.95925I$	$4.32293+1.61283I$
$u=\ \ 0.291799-0.090574I$ $a=-1.56516-2.32607I$ $b=\ \ 0.466028+0.523896I$	$1.26906+0.95925I$	$4.32293-1.61283I$
$u=-0.168662+0.052708I$ $a=-3.79045+6.49188I$ $b=\ \ 0.166465+1.024460I$	$-4.37987-4.27329I$	$-3.90810+4.27086I$
$u=-0.168662-0.052708I$ $a=-3.79045-6.49188I$ $b=\ \ 0.166465-1.024460I$	$-4.37987+4.27329I$	$-3.90810-4.27086I$
$u=-0.0185879+0.1145680I$ $a=-6.90872+3.17394I$ $b=-0.106809+1.097290I$	$1.24428+1.65585I$	$0.29239-4.10547I$
$u=-0.0185879-0.1145680I$ $a=-6.90872-3.17394I$ $b=-0.106809-1.097290I$	$1.24428-1.65585I$	$0.29239+4.10547I$

II. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1, c_4	$u^{99} - u^{98} + \cdots + 23u^2 + 1$
c_2	$u^{99} - 17u^{98} + \cdots - 188u + 19$
c_3	$u^{99} - u^{98} + \cdots + 140544u + 38593$
c_5, c_9	$u^{99} + 3u^{98} + \cdots + 4u + 1$
c_6	$u^{99} + 3u^{98} + \cdots + 27558u + 10961$
c_7, c_{11}, c_{12}	$u^{99} - 3u^{98} + \cdots - 5u^2 + 1$
c_8	$u^{99} + u^{98} + \cdots + 2u + 1$
c_{10}	$u^{99} + 17u^{98} + \cdots - 745808u - 47873$

III. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1, c_4	$y^{99} - 65y^{98} + \cdots - 46y - 1$
c_2	$y^{99} + 167y^{98} + \cdots + 15926y - 361$
c_3	$y^{99} - 173y^{98} + \cdots + 31500556694y - 1489419649$
c_5, c_9	$y^{99} + 59y^{98} + \cdots + 10y - 1$
c_6	$y^{99} + 23y^{98} + \cdots - 2411815078y - 120143521$
c_7, c_{11}, c_{12}	$y^{99} + 91y^{98} + \cdots + 10y - 1$
c_8	$y^{99} + 3y^{98} + \cdots + 66y - 1$
c_{10}	$y^{99} + 63y^{98} + \cdots + 18472642594y - 2291824129$