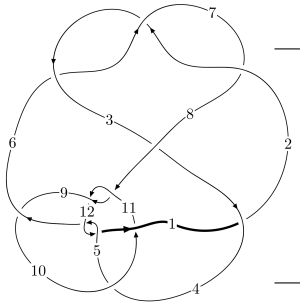
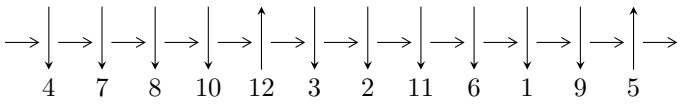
$12a_{1038}$ $(K12a_{1038})$



A knot diagram[1]

Linearized knot diagam



Solving Sequence

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

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

$$I_1^u = \langle -3.62076 \times 10^{53} u^{97} + 8.81180 \times 10^{53} u^{96} + \cdots + 8.81449 \times 10^{53} b + 4.33084 \times 10^{53},$$
$$1.67240 \times 10^{54} u^{97} - 4.07185 \times 10^{54} u^{96} + \cdots + 8.81449 \times 10^{53} a - 2.98740 \times 10^{54},\ u^{98} - 3u^{97} + \cdots - 5u + 1 \rangle$$

* 1 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 98 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.

$\boldsymbol{I_1^u = \langle -3.62\times 10^{53}u^{97}+8.81\times 10^{53}u^{96}+\cdots+8.81\times 10^{53}b+4.33\times 10^{53},\ 1.67\times 10^{54}u^{97}-4.07\times 10^{54}u^{96}+\cdots+8.81\times 10^{53}a-2.99\times 10^{54},\ u^{98}-3u^{97}+\cdots-5u+1\rangle}$

(i) Arc colorings

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

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

$$a_7 = \begin{pmatrix} 1 \\ -u^2 \end{pmatrix}$$

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

$$a_4 = \begin{pmatrix} -u^3-2u \\ u^3+u \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -1.89733u^{97}+4.61949u^{96}+\cdots-13.1123u+3.38919 \\ 0.410774u^{97}-0.999695u^{96}+\cdots+4.99129u-0.491331 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} 0.222953u^{97}-1.13842u^{96}+\cdots+1.53433u-1.07411 \\ 0.475801u^{97}-1.08428u^{96}+\cdots+1.54473u-0.514952 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} u^7+4u^5+4u^3 \\ -u^7-3u^5-2u^3+u \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -0.469168u^{97}+0.658638u^{96}+\cdots-3.66130u+1.52455 \\ -0.262625u^{97}+0.897029u^{96}+\cdots-3.81810u+1.84336 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} u^2+1 \\ -u^4-2u^2 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} -0.484597u^{97}+0.957708u^{96}+\cdots-6.36097u+3.14188 \\ -0.393812u^{97}+1.22529u^{96}+\cdots-4.19603u+1.78580 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 0.00745162u^{97}-0.615653u^{96}+\cdots+4.96278u-2.02379 \\ 0.381053u^{97}-0.953602u^{96}+\cdots+0.502513u+0.295011 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= 1.63646u^{97}-5.49263u^{96}+\cdots+8.71271u-12.4499$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{98} - 19u^{97} + \cdots - 841339u + 59603$
c_2, c_6, c_7	$u^{98} + 3u^{97} + \cdots + 5u + 1$
c_3	$u^{98} - 3u^{97} + \cdots + 595u + 425$
c_4	$u^{98} - u^{97} + \cdots - u - 1$
c_5, c_{12}	$u^{98} - 3u^{97} + \cdots + u + 1$
c_8, c_{11}	$u^{98} - u^{97} + \cdots - 33u - 1$
c_9	$u^{98} + 5u^{97} + \cdots - 3041767u - 195991$
c_{10}	$u^{98} + 9u^{97} + \cdots + 4943u - 137$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{98} + 45y^{97} + \cdots + 84576889997y + 3552517609$
c_2, c_6, c_7	$y^{98} + 89y^{97} + \cdots - 7y + 1$
c_3	$y^{98} + 13y^{97} + \cdots + 6423025y + 180625$
c_4	$y^{98} - 3y^{97} + \cdots - 99y + 1$
c_5, c_{12}	$y^{98} + 73y^{97} + \cdots - 7y + 1$
c_8, c_{11}	$y^{98} - 67y^{97} + \cdots - 179y + 1$
c_9	$y^{98} - 203y^{97} + \cdots - 3248967720299y + 38412472081$
c_{10}	$y^{98} + 137y^{97} + \cdots - 6924923y + 18769$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.065339 + 1.097010I$ $a = -1.324380 - 0.441285I$ $b = 1.46093 + 1.29019I$	$-4.40512 - 2.11265I$	0
$u = 0.065339 - 1.097010I$ $a = -1.324380 + 0.441285I$ $b = 1.46093 - 1.29019I$	$-4.40512 + 2.11265I$	0
$u = 0.612404 + 0.652469I$ $a = -0.252396 - 0.753912I$ $b = -0.216088 + 0.660826I$	$-3.29048 - 3.02837I$	0
$u = 0.612404 - 0.652469I$ $a = -0.252396 + 0.753912I$ $b = -0.216088 - 0.660826I$	$-3.29048 + 3.02837I$	0
$u = 0.800888 + 0.357291I$ $a = 0.253454 + 0.756910I$ $b = 0.106025 - 0.595292I$	$-4.30667 - 1.74398I$	0
$u = 0.800888 - 0.357291I$ $a = 0.253454 - 0.756910I$ $b = 0.106025 + 0.595292I$	$-4.30667 + 1.74398I$	0
$u = -0.038346 + 1.161800I$ $a = -1.262120 - 0.527027I$ $b = 0.316673 - 1.090610I$	$-0.080038 + 0.981236I$	0
$u = -0.038346 - 1.161800I$ $a = -1.262120 + 0.527027I$ $b = 0.316673 + 1.090610I$	$-0.080038 - 0.981236I$	0
$u = -0.468868 + 0.684398I$ $a = -1.050430 - 0.676356I$ $b = 1.047240 - 0.388987I$	$0.46550 - 4.30305I$	$-7.01592 + 4.36620I$
$u = -0.468868 - 0.684398I$ $a = -1.050430 + 0.676356I$ $b = 1.047240 + 0.388987I$	$0.46550 + 4.30305I$	$-7.01592 - 4.36620I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = \quad 0.820805$ $a = -0.384972$ $b = -0.00973519$	-4.50628	-26.0090
$u = \quad 0.486220 + 0.652272I$ $a = -2.00701 + 0.85445I$ $b = \quad 1.61190 + 0.78207I$	$-4.55395 + 9.86790I$	$-10.03674 - 4.17482I$
$u = \quad 0.486220 - 0.652272I$ $a = -2.00701 - 0.85445I$ $b = \quad 1.61190 - 0.78207I$	$-4.55395 - 9.86790I$	$-10.03674 + 4.17482I$
$u = -0.741511 + 0.323631I$ $a = -1.21304 - 1.63056I$ $b = \quad 1.42634 + 0.75096I$	$-0.79939 + 8.54144I$	$-9.35248 - 8.62618I$
$u = -0.741511 - 0.323631I$ $a = -1.21304 + 1.63056I$ $b = \quad 1.42634 - 0.75096I$	$-0.79939 - 8.54144I$	$-9.35248 + 8.62618I$
$u = -0.154621 + 1.182450I$ $a = \quad 0.442376 + 0.325025I$ $b = -0.24214 - 1.49177I$	$-0.62174 + 5.21555I$	0
$u = -0.154621 - 1.182450I$ $a = \quad 0.442376 - 0.325025I$ $b = -0.24214 + 1.49177I$	$-0.62174 - 5.21555I$	0
$u = \quad 0.734303 + 0.335173I$ $a = -1.56251 + 2.65545I$ $b = \quad 1.95978 - 1.35725I$	$-5.6940 - 14.0982I$	$-12.0008 + 9.3017I$
$u = \quad 0.734303 - 0.335173I$ $a = -1.56251 - 2.65545I$ $b = \quad 1.95978 + 1.35725I$	$-5.6940 + 14.0982I$	$-12.0008 - 9.3017I$
$u = \quad 0.347846 + 1.150340I$ $a = -0.326146 + 0.013567I$ $b = \quad 0.146982 - 0.323227I$	$-0.98524 - 4.23518I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.347846 - 1.150340I$ $a = -0.326146 - 0.013567I$ $b = 0.146982 + 0.323227I$	$-0.98524 + 4.23518I$	0
$u = -0.298674 + 1.170600I$ $a = -0.755088 + 0.161129I$ $b = 0.215537 + 0.593171I$	$-6.09100 + 10.22850I$	0
$u = -0.298674 - 1.170600I$ $a = -0.755088 - 0.161129I$ $b = 0.215537 - 0.593171I$	$-6.09100 - 10.22850I$	0
$u = -0.077955 + 1.224770I$ $a = 1.109290 - 0.431612I$ $b = 1.41833 - 0.53377I$	$-0.161350 - 0.248342I$	0
$u = -0.077955 - 1.224770I$ $a = 1.109290 + 0.431612I$ $b = 1.41833 + 0.53377I$	$-0.161350 + 0.248342I$	0
$u = 0.117974 + 1.232200I$ $a = 0.425138 + 0.052215I$ $b = 0.113127 + 0.821566I$	$2.70749 - 2.08523I$	0
$u = 0.117974 - 1.232200I$ $a = 0.425138 - 0.052215I$ $b = 0.113127 - 0.821566I$	$2.70749 + 2.08523I$	0
$u = -0.754574 + 0.023137I$ $a = -0.666482 - 0.494419I$ $b = -0.142569 - 0.072822I$	$-9.60200 - 6.38751I$	$-16.3307 + 4.5656I$
$u = -0.754574 - 0.023137I$ $a = -0.666482 + 0.494419I$ $b = -0.142569 + 0.072822I$	$-9.60200 + 6.38751I$	$-16.3307 - 4.5656I$
$u = 0.673064 + 0.323027I$ $a = 1.06398 - 2.79653I$ $b = -1.86660 + 1.44175I$	$-1.10873 - 7.75152I$	$-10.26708 + 9.05915I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.673064 - 0.323027I$ $a = 1.06398 + 2.79653I$ $b = -1.86660 - 1.44175I$	$-1.10873 + 7.75152I$	$-10.26708 - 9.05915I$
$u = -0.659559 + 0.345898I$ $a = 1.45084 + 1.72925I$ $b = -1.62214 - 0.68769I$	$2.32911 + 3.95267I$	$-4.15635 - 4.95765I$
$u = -0.659559 - 0.345898I$ $a = 1.45084 - 1.72925I$ $b = -1.62214 + 0.68769I$	$2.32911 - 3.95267I$	$-4.15635 + 4.95765I$
$u = -0.313385 + 1.218800I$ $a = -0.294266 - 0.525040I$ $b = -0.311221 + 0.371550I$	$-5.77595 - 2.51906I$	0
$u = -0.313385 - 1.218800I$ $a = -0.294266 + 0.525040I$ $b = -0.311221 - 0.371550I$	$-5.77595 + 2.51906I$	0
$u = -0.648528 + 0.262294I$ $a = -2.67364 - 0.24168I$ $b = 1.08723 - 1.12029I$	$-5.97830 + 4.86271I$	$-16.4498 - 7.8661I$
$u = -0.648528 - 0.262294I$ $a = -2.67364 + 0.24168I$ $b = 1.08723 + 1.12029I$	$-5.97830 - 4.86271I$	$-16.4498 + 7.8661I$
$u = -0.486563 + 0.498299I$ $a = 1.29221 + 1.35928I$ $b = -1.247510 + 0.057218I$	$3.01687 - 0.15440I$	$-1.87765 - 2.16900I$
$u = -0.486563 - 0.498299I$ $a = 1.29221 - 1.35928I$ $b = -1.247510 - 0.057218I$	$3.01687 + 0.15440I$	$-1.87765 + 2.16900I$
$u = 0.616477 + 0.282636I$ $a = -0.118972 + 1.136580I$ $b = -0.122109 - 0.118162I$	$-1.70677 - 3.19543I$	$-9.12410 + 5.81601I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.616477 - 0.282636I$ $a = -0.118972 - 1.136580I$ $b = -0.122109 + 0.118162I$	$-1.70677 + 3.19543I$	$-9.12410 - 5.81601I$
$u = 0.427014 + 0.522919I$ $a = 1.85596 - 1.10388I$ $b = -1.45023 - 0.82297I$	$-0.18528 + 4.01394I$	$-7.39455 - 2.93534I$
$u = 0.427014 - 0.522919I$ $a = 1.85596 + 1.10388I$ $b = -1.45023 + 0.82297I$	$-0.18528 - 4.01394I$	$-7.39455 + 2.93534I$
$u = 0.592622 + 0.314755I$ $a = 0.90205 - 1.41462I$ $b = -0.756552 + 0.851099I$	$-1.42383 - 1.50400I$	$-9.92069 + 3.68533I$
$u = 0.592622 - 0.314755I$ $a = 0.90205 + 1.41462I$ $b = -0.756552 - 0.851099I$	$-1.42383 + 1.50400I$	$-9.92069 - 3.68533I$
$u = 0.614747 + 0.193180I$ $a = -1.70242 + 3.33964I$ $b = 1.98420 - 0.99309I$	$-6.79903 - 0.64790I$	$-18.7159 + 2.4926I$
$u = 0.614747 - 0.193180I$ $a = -1.70242 - 3.33964I$ $b = 1.98420 + 0.99309I$	$-6.79903 + 0.64790I$	$-18.7159 - 2.4926I$
$u = -0.530135 + 0.320976I$ $a = -2.6863 + 14.1321I$ $b = 0.55207 - 7.84865I$	$-2.93001 + 1.56016I$	$-62.2549 + 71.6820I$
$u = -0.530135 - 0.320976I$ $a = -2.6863 - 14.1321I$ $b = 0.55207 + 7.84865I$	$-2.93001 - 1.56016I$	$-62.2549 - 71.6820I$
$u = -0.176083 + 1.375290I$ $a = 1.319650 + 0.103630I$ $b = 1.15018 + 1.07723I$	$0.542290 - 0.074660I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.176083-1.375290I$ $a=\ 1.319650-0.103630I$ $b=\ 1.15018-1.07723I$	$0.542290+0.074660I$	0
$u=-0.562494+0.240160I$ $a=-2.44776-2.70868I$ $b=\ 1.86945+1.05664I$	$-2.43280+1.21285I$	$-5.48234-6.16626I$
$u=-0.562494-0.240160I$ $a=-2.44776+2.70868I$ $b=\ 1.86945-1.05664I$	$-2.43280-1.21285I$	$-5.48234+6.16626I$
$u=\ 0.232456+1.379630I$ $a=\ 1.02637+2.35893I$ $b=\ 2.47762-0.87478I$	$-1.78282-3.72107I$	0
$u=\ 0.232456-1.379630I$ $a=\ 1.02637-2.35893I$ $b=\ 2.47762+0.87478I$	$-1.78282+3.72107I$	0
$u=\ 0.107712+1.409150I$ $a=\ 0.737553+0.143732I$ $b=\ 0.003914-0.529307I$	$5.02738-2.93469I$	0
$u=\ 0.107712-1.409150I$ $a=\ 0.737553-0.143732I$ $b=\ 0.003914+0.529307I$	$5.02738+2.93469I$	0
$u=\ 0.19083+1.40218I$ $a=\ 0.135240-0.073939I$ $b=\ 0.934843+0.334737I$	$4.46155-2.13327I$	0
$u=\ 0.19083-1.40218I$ $a=\ 0.135240+0.073939I$ $b=\ 0.934843-0.334737I$	$4.46155+2.13327I$	0
$u=-0.22241+1.40043I$ $a=\ 0.43037-2.12672I$ $b=\ 2.89349+1.45814I$	$2.84029+4.11499I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.22241-1.40043I$ $a=\ \ 0.43037+2.12672I$ $b=\ \ 2.89349-1.45814I$	$2.84029-4.11499I$	0
$u=-0.25197+1.40362I$ $a=-1.23101-1.46628I$ $b=\ \ 0.99999-1.02640I$	$-0.65725+8.14961I$	0
$u=-0.25197-1.40362I$ $a=-1.23101+1.46628I$ $b=\ \ 0.99999+1.02640I$	$-0.65725-8.14961I$	0
$u=-0.570859+0.050835I$ $a=\ \ 0.840207-1.053810I$ $b=\ \ 0.446144+0.934977I$	$-3.95624-2.45671I$	$-16.1151+3.1714I$
$u=-0.570859-0.050835I$ $a=\ \ 0.840207+1.053810I$ $b=\ \ 0.446144-0.934977I$	$-3.95624+2.45671I$	$-16.1151-3.1714I$
$u=-0.21435+1.41488I$ $a=-5.17093-3.12191I$ $b=\ \ 9.88874-5.91330I$	$2.60671+4.35178I$	0
$u=-0.21435-1.41488I$ $a=-5.17093+3.12191I$ $b=\ \ 9.88874+5.91330I$	$2.60671-4.35178I$	0
$u=\ \ 0.24025+1.41099I$ $a=\ \ 0.208636+0.619895I$ $b=-0.315370-0.588894I$	$3.71345-6.34087I$	0
$u=\ \ 0.24025-1.41099I$ $a=\ \ 0.208636-0.619895I$ $b=-0.315370+0.588894I$	$3.71345+6.34087I$	0
$u=\ \ 0.22894+1.42766I$ $a=-0.214134-1.001530I$ $b=-1.56014+1.05291I$	$4.18239-4.52972I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.22894 - 1.42766I$ $a = -0.214134 + 1.001530I$ $b = -1.56014 - 1.05291I$	$4.18239 + 4.52972I$	0
$u = 0.15743 + 1.44043I$ $a = 0.03145 - 1.55183I$ $b = -1.93175 - 0.15846I$	$5.97894 + 1.89406I$	0
$u = 0.15743 - 1.44043I$ $a = 0.03145 + 1.55183I$ $b = -1.93175 + 0.15846I$	$5.97894 - 1.89406I$	0
$u = 0.25998 + 1.42918I$ $a = -1.05288 - 1.74902I$ $b = -2.32630 + 1.56569I$	$4.50338 - 11.15960I$	0
$u = 0.25998 - 1.42918I$ $a = -1.05288 + 1.74902I$ $b = -2.32630 - 1.56569I$	$4.50338 + 11.15960I$	0
$u = -0.25308 + 1.43624I$ $a = -0.34926 + 1.45938I$ $b = -2.13375 - 0.83125I$	$8.04215 + 7.29186I$	0
$u = -0.25308 - 1.43624I$ $a = -0.34926 - 1.45938I$ $b = -2.13375 + 0.83125I$	$8.04215 - 7.29186I$	0
$u = -0.17132 + 1.45219I$ $a = -0.264172 + 1.235620I$ $b = -1.60046 - 0.59631I$	$9.23042 + 2.23354I$	0
$u = -0.17132 - 1.45219I$ $a = -0.264172 - 1.235620I$ $b = -1.60046 + 0.59631I$	$9.23042 - 2.23354I$	0
$u = -0.28819 + 1.43675I$ $a = 0.35070 - 1.37830I$ $b = 1.79966 + 0.83955I$	$4.83747 + 12.28390I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.28819-1.43675I$ $a=\ \ 0.35070+1.37830I$ $b=\ \ 1.79966-0.83955I$	$4.83747-12.28390I$	0
$u=\ \ 0.28430+1.44095I$ $a=\ \ 0.69012+1.90557I$ $b=\ \ 2.38988-1.56515I$	$-0.0021-17.8042I$	0
$u=\ \ 0.28430-1.44095I$ $a=\ \ 0.69012-1.90557I$ $b=\ \ 2.38988+1.56515I$	$-0.0021+17.8042I$	0
$u=-0.10870+1.47116I$ $a=\ \ 0.280946-0.767506I$ $b=\ \ 1.190360+0.365704I$	$7.38329-2.52548I$	0
$u=-0.10870-1.47116I$ $a=\ \ 0.280946+0.767506I$ $b=\ \ 1.190360-0.365704I$	$7.38329+2.52548I$	0
$u=\ \ 0.31311+1.44342I$ $a=\ \ 0.398723+0.455278I$ $b=\ \ 0.431464-0.556617I$	$1.42609-5.78759I$	0
$u=\ \ 0.31311-1.44342I$ $a=\ \ 0.398723-0.455278I$ $b=\ \ 0.431464+0.556617I$	$1.42609+5.78759I$	0
$u=\ \ 0.12451+1.47990I$ $a=-0.087593+1.216800I$ $b=\ \ 2.04305-0.01678I$	$2.30951+7.86961I$	0
$u=\ \ 0.12451-1.47990I$ $a=-0.087593-1.216800I$ $b=\ \ 2.04305+0.01678I$	$2.30951-7.86961I$	0
$u=\ \ 0.291854+0.422173I$ $a=\ \ 1.45419+0.20833I$ $b=-0.109873-0.312516I$	$-0.66057-1.49579I$	$-5.59034+3.83194I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.291854 - 0.422173I$ $a = 1.45419 - 0.20833I$ $b = -0.109873 + 0.312516I$	$-0.66057 + 1.49579I$	$-5.59034 - 3.83194I$
$u = -0.188505 + 0.460456I$ $a = 0.364513 - 0.286938I$ $b = 1.27520 + 1.02424I$	$-4.65808 - 1.73002I$	$-12.40385 + 1.70424I$
$u = -0.188505 - 0.460456I$ $a = 0.364513 + 0.286938I$ $b = 1.27520 - 1.02424I$	$-4.65808 + 1.73002I$	$-12.40385 - 1.70424I$
$u = 0.18126 + 1.50593I$ $a = -0.424240 - 0.456464I$ $b = -0.547878 + 0.934518I$	$3.71893 - 5.80434I$	0
$u = 0.18126 - 1.50593I$ $a = -0.424240 + 0.456464I$ $b = -0.547878 - 0.934518I$	$3.71893 + 5.80434I$	0
$u = 0.355795 + 0.303110I$ $a = 0.063077 - 0.722119I$ $b = 0.568919 - 0.030956I$	$-0.916385 + 0.195495I$	$-7.80562 + 1.64458I$
$u = 0.355795 - 0.303110I$ $a = 0.063077 + 0.722119I$ $b = 0.568919 + 0.030956I$	$-0.916385 - 0.195495I$	$-7.80562 - 1.64458I$
$u = 0.425920$ $a = 0.405168$ $b = 0.396583$	-0.879709	-10.6710

II. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$u^{98} - 19u^{97} + \cdots - 841339u + 59603$
c_2, c_6, c_7	$u^{98} + 3u^{97} + \cdots + 5u + 1$
c_3	$u^{98} - 3u^{97} + \cdots + 595u + 425$
c_4	$u^{98} - u^{97} + \cdots - u - 1$
c_5, c_{12}	$u^{98} - 3u^{97} + \cdots + u + 1$
c_8, c_{11}	$u^{98} - u^{97} + \cdots - 33u - 1$
c_9	$u^{98} + 5u^{97} + \cdots - 3041767u - 195991$
c_{10}	$u^{98} + 9u^{97} + \cdots + 4943u - 137$

III. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$y^{98} + 45y^{97} + \cdots + 84576889997y + 3552517609$
c_2, c_6, c_7	$y^{98} + 89y^{97} + \cdots - 7y + 1$
c_3	$y^{98} + 13y^{97} + \cdots + 6423025y + 180625$
c_4	$y^{98} - 3y^{97} + \cdots - 99y + 1$
c_5, c_{12}	$y^{98} + 73y^{97} + \cdots - 7y + 1$
c_8, c_{11}	$y^{98} - 67y^{97} + \cdots - 179y + 1$
c_9	$y^{98} - 203y^{97} + \cdots - 3248967720299y + 38412472081$
c_{10}	$y^{98} + 137y^{97} + \cdots - 6924923y + 18769$