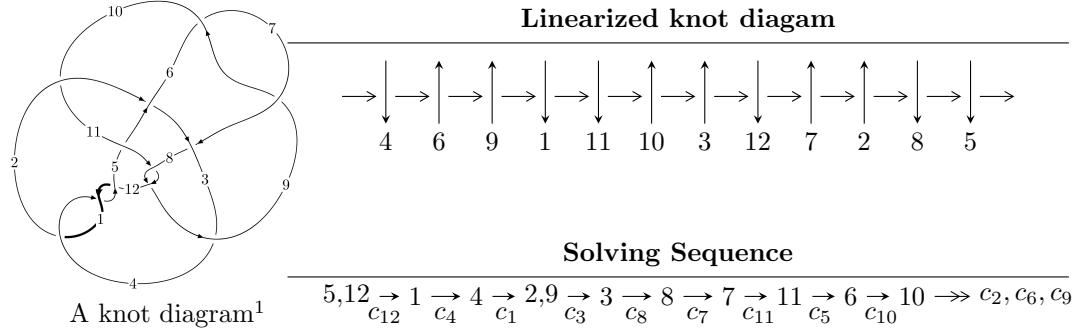


$12a_{0943}$ ($K12a_{0943}$)



Ideals for irreducible components² of X_{par}

$$\begin{aligned}
 I_1^u = & \langle 1.78712 \times 10^{517} u^{145} - 1.33819 \times 10^{518} u^{144} + \dots + 6.78869 \times 10^{518} b - 5.80111 \times 10^{518}, \\
 & - 1.40605 \times 10^{519} u^{145} + 1.05376 \times 10^{520} u^{144} + \dots + 2.10450 \times 10^{520} a - 9.14715 \times 10^{520}, \\
 & u^{146} - 7u^{145} + \dots + 117u + 31 \rangle \\
 I_2^u = & \langle 150001u^{35} + 1354688u^{34} + \dots + 891921b + 1011631, \\
 & - 918644u^{35} + 3557286u^{34} + \dots + 891921a - 2376240, u^{36} - 8u^{35} + \dots - 10u + 1 \rangle
 \end{aligned}$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 182 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.

$$\text{I. } I_1^u = \langle 1.79 \times 10^{517} u^{145} - 1.34 \times 10^{518} u^{144} + \dots + 6.79 \times 10^{518} b - 5.80 \times 10^{518}, -1.41 \times 10^{519} u^{145} + 1.05 \times 10^{520} u^{144} + \dots + 2.10 \times 10^{520} a - 9.15 \times 10^{520}, u^{146} - 7u^{145} + \dots + 117u + 31 \rangle$$

(i) **Arc colorings**

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

$$a_{12} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

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

$$a_2 = \begin{pmatrix} u^2 + 1 \\ u^4 + 2u^2 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} 0.0668117u^{145} - 0.500717u^{144} + \dots - 26.7482u + 4.34648 \\ -0.0263250u^{145} + 0.197120u^{144} + \dots - 1.04940u + 0.854525 \end{pmatrix}$$

$$a_3 = \begin{pmatrix} -0.0108550u^{145} + 0.121391u^{144} + \dots - 16.3069u + 3.52191 \\ 0.0207079u^{145} - 0.149856u^{144} + \dots - 2.81401u - 0.238209 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} 0.0404867u^{145} - 0.303596u^{144} + \dots - 27.7976u + 5.20101 \\ -0.0263250u^{145} + 0.197120u^{144} + \dots - 1.04940u + 0.854525 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} 0.0558723u^{145} - 0.372603u^{144} + \dots - 3.26923u + 2.17630 \\ -0.0251010u^{145} + 0.179971u^{144} + \dots + 1.78696u + 0.577547 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 0.00181010u^{145} - 0.0179139u^{144} + \dots + 20.7607u - 1.65983 \\ -0.00208124u^{145} - 0.0464347u^{144} + \dots + 1.81185u - 0.736714 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} -0.0159414u^{145} + 0.110964u^{144} + \dots + 7.43670u - 4.92878 \\ -0.0176368u^{145} + 0.114351u^{144} + \dots + 4.21484u - 0.761534 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 0.00715498u^{145} - 0.0371041u^{144} + \dots + 15.7315u - 1.64989 \\ -0.00307858u^{145} - 0.0206540u^{144} + \dots + 3.24478u - 0.384611 \end{pmatrix}$$

(ii) **Obstruction class = -1**

(iii) **Cusp Shapes** = $-0.240462u^{145} + 1.85632u^{144} + \dots + 5.56279u - 3.36132$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_4, c_{12}	$u^{146} + 7u^{145} + \cdots - 117u + 31$
c_2	$u^{146} - 3u^{145} + \cdots - 232u + 23$
c_3	$u^{146} - u^{145} + \cdots + 36926312u + 87096208$
c_5	$u^{146} + u^{145} + \cdots - 73218680u + 5055088$
c_6, c_9	$u^{146} + 6u^{145} + \cdots + 59u + 1$
c_7	$u^{146} + 14u^{144} + \cdots - 34304u + 1984$
c_8, c_{11}	$u^{146} + 6u^{145} + \cdots + 10735u + 2329$
c_{10}	$u^{146} - 6u^{145} + \cdots + 186624u + 155392$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_4, c_{12}	$y^{146} + 139y^{145} + \cdots - 122499y + 961$
c_2	$y^{146} + 21y^{145} + \cdots + 34036y + 529$
c_3	$y^{146} + 25y^{145} + \cdots + 222241981535540160y + 7585749447979264$
c_5	$y^{146} + 29y^{145} + \cdots + 948957128361152y + 25553914687744$
c_6, c_9	$y^{146} + 104y^{145} + \cdots - 243y + 1$
c_7	$y^{146} + 28y^{145} + \cdots + 135151616y + 3936256$
c_8, c_{11}	$y^{146} - 76y^{145} + \cdots - 142242651y + 5424241$
c_{10}	$y^{146} + 20y^{145} + \cdots + 1419362140160y + 24146673664$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.600308 + 0.786562I$		
$a = 0.263013 - 0.319264I$	$0.29286 - 4.41022I$	0
$b = -1.055520 - 0.453993I$		
$u = -0.600308 - 0.786562I$		
$a = 0.263013 + 0.319264I$	$0.29286 + 4.41022I$	0
$b = -1.055520 + 0.453993I$		
$u = 0.710381 + 0.675563I$		
$a = -0.160649 + 0.663844I$	$-4.13553 - 5.87181I$	0
$b = -1.239970 - 0.424123I$		
$u = 0.710381 - 0.675563I$		
$a = -0.160649 - 0.663844I$	$-4.13553 + 5.87181I$	0
$b = -1.239970 + 0.424123I$		
$u = -0.950755 + 0.378156I$		
$a = 0.576510 + 0.789498I$	$-5.8255 + 14.7586I$	0
$b = 1.220860 - 0.595168I$		
$u = -0.950755 - 0.378156I$		
$a = 0.576510 - 0.789498I$	$-5.8255 - 14.7586I$	0
$b = 1.220860 + 0.595168I$		
$u = 0.876850 + 0.401996I$		
$a = -0.657246 + 0.667423I$	$-2.73674 - 3.81103I$	0
$b = -1.059220 - 0.374861I$		
$u = 0.876850 - 0.401996I$		
$a = -0.657246 - 0.667423I$	$-2.73674 + 3.81103I$	0
$b = -1.059220 + 0.374861I$		
$u = 0.920571 + 0.263564I$		
$a = -0.342320 + 0.713848I$	$-5.52437 + 0.55845I$	0
$b = -1.005740 + 0.168942I$		
$u = 0.920571 - 0.263564I$		
$a = -0.342320 - 0.713848I$	$-5.52437 - 0.55845I$	0
$b = -1.005740 - 0.168942I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.248446 + 1.032260I$		
$a = 0.05791 + 2.36671I$	$-2.70153 - 6.27133I$	0
$b = -0.773771 - 0.599814I$		
$u = 0.248446 - 1.032260I$		
$a = 0.05791 - 2.36671I$	$-2.70153 + 6.27133I$	0
$b = -0.773771 + 0.599814I$		
$u = 0.927301 + 0.037439I$		
$a = -0.456936 - 0.740794I$	$-5.63011 + 1.69117I$	0
$b = -0.972638 + 0.460098I$		
$u = 0.927301 - 0.037439I$		
$a = -0.456936 + 0.740794I$	$-5.63011 - 1.69117I$	0
$b = -0.972638 - 0.460098I$		
$u = -0.823585 + 0.343442I$		
$a = -0.766504 - 0.808831I$	$-1.10225 + 9.30326I$	0
$b = -1.228460 + 0.594830I$		
$u = -0.823585 - 0.343442I$		
$a = -0.766504 + 0.808831I$	$-1.10225 - 9.30326I$	0
$b = -1.228460 - 0.594830I$		
$u = 0.471973 + 0.755429I$		
$a = 0.547287 - 0.692286I$	$-2.03687 - 2.78273I$	0
$b = -0.452214 + 0.309658I$		
$u = 0.471973 - 0.755429I$		
$a = 0.547287 + 0.692286I$	$-2.03687 + 2.78273I$	0
$b = -0.452214 - 0.309658I$		
$u = 1.058890 + 0.388787I$		
$a = 0.412535 - 0.239057I$	$-5.98452 - 3.86162I$	0
$b = 1.133490 + 0.285129I$		
$u = 1.058890 - 0.388787I$		
$a = 0.412535 + 0.239057I$	$-5.98452 + 3.86162I$	0
$b = 1.133490 - 0.285129I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 1.035090 + 0.463986I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 0.471933 - 0.959842I$	$-5.72968 - 4.48341I$	0
$b = 1.027660 + 0.425622I$		
$u = 1.035090 - 0.463986I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 0.471933 + 0.959842I$	$-5.72968 + 4.48341I$	0
$b = 1.027660 - 0.425622I$		
$u = -0.076786 + 1.154700I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 0.144743 + 0.110076I$	$-5.32053 - 4.44523I$	0
$b = -1.48191 - 0.22697I$		
$u = -0.076786 - 1.154700I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 0.144743 - 0.110076I$	$-5.32053 + 4.44523I$	0
$b = -1.48191 + 0.22697I$		
$u = 0.673070 + 0.943463I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = -0.097615 + 0.277155I$	$-1.22395 - 1.64245I$	0
$b = -0.855254 + 0.159813I$		
$u = 0.673070 - 0.943463I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = -0.097615 - 0.277155I$	$-1.22395 + 1.64245I$	0
$b = -0.855254 - 0.159813I$		
$u = -0.604200 + 0.546499I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 1.45515 + 0.62412I$	$-2.21578 - 4.91795I$	0
$b = 0.413674 - 0.463374I$		
$u = -0.604200 - 0.546499I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 1.45515 - 0.62412I$	$-2.21578 + 4.91795I$	0
$b = 0.413674 + 0.463374I$		
$u = -0.697511 + 0.374057I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 0.153012 - 0.426392I$	$-2.81738 + 9.12644I$	0
$b = 0.234013 + 0.975605I$		
$u = -0.697511 - 0.374057I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 0.153012 + 0.426392I$	$-2.81738 - 9.12644I$	0
$b = 0.234013 - 0.975605I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.780473 + 0.927697I$		
$a = -0.280900 + 0.109842I$	$-4.24779 - 8.88674I$	0
$b = 1.081760 + 0.471945I$		
$u = -0.780473 - 0.927697I$		
$a = -0.280900 - 0.109842I$	$-4.24779 + 8.88674I$	0
$b = 1.081760 - 0.471945I$		
$u = 0.821779 + 0.895107I$		
$a = 0.253931 + 0.215585I$	$-4.54611 - 1.90325I$	0
$b = 0.878324 - 0.273970I$		
$u = 0.821779 - 0.895107I$		
$a = 0.253931 - 0.215585I$	$-4.54611 + 1.90325I$	0
$b = 0.878324 + 0.273970I$		
$u = 0.448782 + 1.129800I$		
$a = 0.282045 - 0.326218I$	$-2.09122 - 3.25336I$	0
$b = -0.968796 + 0.200248I$		
$u = 0.448782 - 1.129800I$		
$a = 0.282045 + 0.326218I$	$-2.09122 + 3.25336I$	0
$b = -0.968796 - 0.200248I$		
$u = -0.287540 + 1.188040I$		
$a = -0.894690 + 0.350012I$	$-1.37349 + 0.92683I$	0
$b = 1.329140 + 0.452737I$		
$u = -0.287540 - 1.188040I$		
$a = -0.894690 - 0.350012I$	$-1.37349 - 0.92683I$	0
$b = 1.329140 - 0.452737I$		
$u = -0.030401 + 1.243270I$		
$a = 0.21021 + 2.56463I$	$-0.68606 + 6.01802I$	0
$b = -0.641198 - 0.258051I$		
$u = -0.030401 - 1.243270I$		
$a = 0.21021 - 2.56463I$	$-0.68606 - 6.01802I$	0
$b = -0.641198 + 0.258051I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.098424 + 1.241790I$		
$a = -0.621581 + 0.389280I$	$-0.45702 + 1.43647I$	0
$b = 1.54433 + 0.04239I$		
$u = -0.098424 - 1.241790I$		
$a = -0.621581 - 0.389280I$	$-0.45702 - 1.43647I$	0
$b = 1.54433 - 0.04239I$		
$u = -0.733155 + 0.092657I$		
$a = 1.016870 + 0.296987I$	$-4.69874 + 2.79612I$	0
$b = 1.26236 - 0.68131I$		
$u = -0.733155 - 0.092657I$		
$a = 1.016870 - 0.296987I$	$-4.69874 - 2.79612I$	0
$b = 1.26236 + 0.68131I$		
$u = 0.663880 + 0.311056I$		
$a = -0.018267 + 0.881601I$	$-3.45989 - 1.16177I$	0
$b = 0.090419 - 0.426726I$		
$u = 0.663880 - 0.311056I$		
$a = -0.018267 - 0.881601I$	$-3.45989 + 1.16177I$	0
$b = 0.090419 + 0.426726I$		
$u = 0.363362 + 0.635871I$		
$a = -1.221540 - 0.420107I$	$-0.153349 - 0.132354I$	0
$b = 0.925861 - 0.197907I$		
$u = 0.363362 - 0.635871I$		
$a = -1.221540 + 0.420107I$	$-0.153349 + 0.132354I$	0
$b = 0.925861 + 0.197907I$		
$u = -0.056699 + 1.274890I$		
$a = -0.89526 - 2.10953I$	$4.42784 - 2.41245I$	0
$b = 0.362918 + 1.164050I$		
$u = -0.056699 - 1.274890I$		
$a = -0.89526 + 2.10953I$	$4.42784 + 2.41245I$	0
$b = 0.362918 - 1.164050I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.112257 + 1.278830I$		
$a = -0.19799 - 2.06823I$	$3.48220 + 0.33660I$	0
$b = 0.662336 + 0.119214I$		
$u = 0.112257 - 1.278830I$		
$a = -0.19799 + 2.06823I$	$3.48220 - 0.33660I$	0
$b = 0.662336 - 0.119214I$		
$u = 0.358917 + 0.615524I$		
$a = -1.26873 + 2.55917I$	$-2.83699 - 6.20686I$	$0. + 10.87479I$
$b = -0.834546 - 0.388384I$		
$u = 0.358917 - 0.615524I$		
$a = -1.26873 - 2.55917I$	$-2.83699 + 6.20686I$	$0. - 10.87479I$
$b = -0.834546 + 0.388384I$		
$u = -0.139703 + 1.284050I$		
$a = 0.872531 - 0.086241I$	$-4.66332 + 7.15556I$	0
$b = -1.71657 - 0.09524I$		
$u = -0.139703 - 1.284050I$		
$a = 0.872531 + 0.086241I$	$-4.66332 - 7.15556I$	0
$b = -1.71657 + 0.09524I$		
$u = -0.223759 + 1.274350I$		
$a = 0.92487 - 1.66131I$	$-4.16337 - 1.87122I$	0
$b = -1.097840 + 0.493168I$		
$u = -0.223759 - 1.274350I$		
$a = 0.92487 + 1.66131I$	$-4.16337 + 1.87122I$	0
$b = -1.097840 - 0.493168I$		
$u = 0.040291 + 1.295820I$		
$a = 0.23230 - 1.76775I$	$1.87406 + 1.51346I$	0
$b = -1.133660 + 0.662083I$		
$u = 0.040291 - 1.295820I$		
$a = 0.23230 + 1.76775I$	$1.87406 - 1.51346I$	0
$b = -1.133660 - 0.662083I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.322674 + 1.257330I$		
$a = 0.76820 + 1.63579I$	$1.14020 + 7.00435I$	0
$b = 0.668901 - 0.810258I$		
$u = -0.322674 - 1.257330I$		
$a = 0.76820 - 1.63579I$	$1.14020 - 7.00435I$	0
$b = 0.668901 + 0.810258I$		
$u = 0.909914 + 0.968779I$		
$a = -0.015212 - 0.506982I$	$-4.41947 - 2.76812I$	0
$b = 0.908547 - 0.078071I$		
$u = 0.909914 - 0.968779I$		
$a = -0.015212 + 0.506982I$	$-4.41947 + 2.76812I$	0
$b = 0.908547 + 0.078071I$		
$u = -0.191254 + 1.326680I$		
$a = -0.788587 - 0.960048I$	$1.62293 - 0.45548I$	0
$b = 0.566130 + 1.028180I$		
$u = -0.191254 - 1.326680I$		
$a = -0.788587 + 0.960048I$	$1.62293 + 0.45548I$	0
$b = 0.566130 - 1.028180I$		
$u = -0.658028 + 0.033714I$		
$a = 0.860356 - 0.040788I$	$-2.60226 - 3.36266I$	$-2.88422 + 8.32461I$
$b = 0.487871 + 0.818994I$		
$u = -0.658028 - 0.033714I$		
$a = 0.860356 + 0.040788I$	$-2.60226 + 3.36266I$	$-2.88422 - 8.32461I$
$b = 0.487871 - 0.818994I$		
$u = 0.590138 + 0.292913I$		
$a = 0.349197 - 0.886307I$	$-1.38197 - 3.16972I$	$0.24009 + 5.86421I$
$b = 1.124890 + 0.561726I$		
$u = 0.590138 - 0.292913I$		
$a = 0.349197 + 0.886307I$	$-1.38197 + 3.16972I$	$0.24009 - 5.86421I$
$b = 1.124890 - 0.561726I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.544271 + 0.322218I$		
$a = 0.002303 + 0.176521I$	$1.97463 + 3.59000I$	$2.18111 - 9.54008I$
$b = -0.231322 - 1.018080I$		
$u = -0.544271 - 0.322218I$		
$a = 0.002303 - 0.176521I$	$1.97463 - 3.59000I$	$2.18111 + 9.54008I$
$b = -0.231322 + 1.018080I$		
$u = -0.300405 + 1.336520I$		
$a = -0.00901 + 1.91153I$	$-0.19380 + 6.52936I$	0
$b = 1.25841 - 0.84764I$		
$u = -0.300405 - 1.336520I$		
$a = -0.00901 - 1.91153I$	$-0.19380 - 6.52936I$	0
$b = 1.25841 + 0.84764I$		
$u = -0.161418 + 1.363690I$		
$a = -0.79148 + 1.80977I$	$0.93742 + 2.88356I$	0
$b = 1.152160 - 0.449182I$		
$u = -0.161418 - 1.363690I$		
$a = -0.79148 - 1.80977I$	$0.93742 - 2.88356I$	0
$b = 1.152160 + 0.449182I$		
$u = -0.031138 + 1.374080I$		
$a = -0.33165 + 1.64163I$	$2.98509 + 2.56355I$	0
$b = 1.164800 - 0.613479I$		
$u = -0.031138 - 1.374080I$		
$a = -0.33165 - 1.64163I$	$2.98509 - 2.56355I$	0
$b = 1.164800 + 0.613479I$		
$u = 0.075398 + 1.381720I$		
$a = -0.64377 + 1.75561I$	$5.67006 + 1.62713I$	0
$b = 0.76129 - 1.35490I$		
$u = 0.075398 - 1.381720I$		
$a = -0.64377 - 1.75561I$	$5.67006 - 1.62713I$	0
$b = 0.76129 + 1.35490I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.161331 + 1.386940I$		
$a = 0.56011 - 1.32894I$	$4.75595 - 4.27023I$	0
$b = 1.156120 + 0.345033I$		
$u = 0.161331 - 1.386940I$		
$a = 0.56011 + 1.32894I$	$4.75595 + 4.27023I$	0
$b = 1.156120 - 0.345033I$		
$u = 0.400753 + 1.355730I$		
$a = 0.087799 + 0.999503I$	$-0.53523 - 4.19761I$	0
$b = -0.725981 - 0.034937I$		
$u = 0.400753 - 1.355730I$		
$a = 0.087799 - 0.999503I$	$-0.53523 + 4.19761I$	0
$b = -0.725981 + 0.034937I$		
$u = -0.500335 + 0.300299I$		
$a = -1.55821 - 0.36015I$	$2.04668 - 0.50496I$	$4.74774 - 1.63481I$
$b = -0.458401 + 0.490676I$		
$u = -0.500335 - 0.300299I$		
$a = -1.55821 + 0.36015I$	$2.04668 + 0.50496I$	$4.74774 + 1.63481I$
$b = -0.458401 - 0.490676I$		
$u = -0.22933 + 1.41090I$		
$a = -0.240214 - 1.348330I$	$7.43972 + 2.33030I$	0
$b = -0.928330 + 0.600220I$		
$u = -0.22933 - 1.41090I$		
$a = -0.240214 + 1.348330I$	$7.43972 - 2.33030I$	0
$b = -0.928330 - 0.600220I$		
$u = -0.559237 + 0.068955I$		
$a = -0.576035 - 1.250270I$	$-8.36721 - 4.78858I$	$-9.12474 + 3.88127I$
$b = -1.386620 + 0.233170I$		
$u = -0.559237 - 0.068955I$		
$a = -0.576035 + 1.250270I$	$-8.36721 + 4.78858I$	$-9.12474 - 3.88127I$
$b = -1.386620 - 0.233170I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.21709 + 1.42007I$		
$a = 0.74892 + 1.42849I$	$7.54837 + 6.43308I$	0
$b = -0.418875 - 1.269480I$		
$u = -0.21709 - 1.42007I$		
$a = 0.74892 - 1.42849I$	$7.54837 - 6.43308I$	0
$b = -0.418875 + 1.269480I$		
$u = -0.19325 + 1.42451I$		
$a = 1.01210 - 1.87923I$	$-2.42478 + 9.06140I$	0
$b = -1.079390 + 0.409504I$		
$u = -0.19325 - 1.42451I$		
$a = 1.01210 + 1.87923I$	$-2.42478 - 9.06140I$	0
$b = -1.079390 - 0.409504I$		
$u = -0.499376 + 0.245580I$		
$a = -0.51189 - 2.43113I$	$-7.87105 + 6.49530I$	$-9.42523 - 6.99676I$
$b = -1.276590 + 0.260999I$		
$u = -0.499376 - 0.245580I$		
$a = -0.51189 + 2.43113I$	$-7.87105 - 6.49530I$	$-9.42523 + 6.99676I$
$b = -1.276590 - 0.260999I$		
$u = 0.21879 + 1.43107I$		
$a = -0.55800 - 1.70384I$	$4.19508 - 6.10037I$	0
$b = 1.14934 + 0.86467I$		
$u = 0.21879 - 1.43107I$		
$a = -0.55800 + 1.70384I$	$4.19508 + 6.10037I$	0
$b = 1.14934 - 0.86467I$		
$u = 0.324349 + 0.433891I$		
$a = -0.529747 - 0.426575I$	$-0.037096 - 1.090900I$	$-0.42114 + 5.58767I$
$b = 0.127123 + 0.315352I$		
$u = 0.324349 - 0.433891I$		
$a = -0.529747 + 0.426575I$	$-0.037096 + 1.090900I$	$-0.42114 - 5.58767I$
$b = 0.127123 - 0.315352I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.16854 + 1.45294I$		
$a = 0.369845 + 1.142920I$	$4.38303 - 4.19511I$	0
$b = -0.240117 - 0.918274I$		
$u = 0.16854 - 1.45294I$		
$a = 0.369845 - 1.142920I$	$4.38303 + 4.19511I$	0
$b = -0.240117 + 0.918274I$		
$u = 0.11022 + 1.46155I$		
$a = 0.13378 - 1.48184I$	$6.45842 - 2.82218I$	0
$b = -0.204410 + 1.134740I$		
$u = 0.11022 - 1.46155I$		
$a = 0.13378 + 1.48184I$	$6.45842 + 2.82218I$	0
$b = -0.204410 - 1.134740I$		
$u = 0.26509 + 1.45041I$		
$a = -0.554874 + 1.175130I$	$2.30403 - 4.52481I$	0
$b = 0.503496 - 0.747600I$		
$u = 0.26509 - 1.45041I$		
$a = -0.554874 - 1.175130I$	$2.30403 + 4.52481I$	0
$b = 0.503496 + 0.747600I$		
$u = -0.26766 + 1.45291I$		
$a = -0.63295 - 1.38107I$	$3.05018 + 12.65850I$	0
$b = 0.382706 + 1.230100I$		
$u = -0.26766 - 1.45291I$		
$a = -0.63295 + 1.38107I$	$3.05018 - 12.65850I$	0
$b = 0.382706 - 1.230100I$		
$u = 0.13370 + 1.48386I$		
$a = 0.069161 - 1.218020I$	$6.35142 - 2.84344I$	0
$b = -0.109373 + 0.916612I$		
$u = 0.13370 - 1.48386I$		
$a = 0.069161 + 1.218020I$	$6.35142 + 2.84344I$	0
$b = -0.109373 - 0.916612I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.32331 + 1.45711I$		
$a = 0.19719 - 1.76021I$	$4.6636 + 13.4608I$	0
$b = -1.29655 + 0.73348I$		
$u = -0.32331 - 1.45711I$		
$a = 0.19719 + 1.76021I$	$4.6636 - 13.4608I$	0
$b = -1.29655 - 0.73348I$		
$u = 0.057887 + 0.501362I$		
$a = -0.940336 - 0.573017I$	$0.17753 - 1.84376I$	$5.68204 + 3.35389I$
$b = 0.190226 + 0.738558I$		
$u = 0.057887 - 0.501362I$		
$a = -0.940336 + 0.573017I$	$0.17753 + 1.84376I$	$5.68204 - 3.35389I$
$b = 0.190226 - 0.738558I$		
$u = -0.15097 + 1.49566I$		
$a = 0.109950 + 1.164260I$	$4.64571 - 2.28975I$	0
$b = 0.959123 - 0.508506I$		
$u = -0.15097 - 1.49566I$		
$a = 0.109950 - 1.164260I$	$4.64571 + 2.28975I$	0
$b = 0.959123 + 0.508506I$		
$u = -0.477345 + 0.120607I$		
$a = 1.31244 + 1.59177I$	$-3.80983 + 0.57311I$	$-9.45730 + 1.68885I$
$b = 1.322360 - 0.208432I$		
$u = -0.477345 - 0.120607I$		
$a = 1.31244 - 1.59177I$	$-3.80983 - 0.57311I$	$-9.45730 - 1.68885I$
$b = 1.322360 + 0.208432I$		
$u = 0.21833 + 1.50245I$		
$a = -0.13194 + 1.57274I$	$3.95038 - 8.84943I$	0
$b = -1.103140 - 0.458774I$		
$u = 0.21833 - 1.50245I$		
$a = -0.13194 - 1.57274I$	$3.95038 + 8.84943I$	0
$b = -1.103140 + 0.458774I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.41003 + 1.47277I$		
$a = -0.200926 - 1.091420I$	$-0.12706 - 9.08974I$	0
$b = 1.304720 + 0.503059I$		
$u = 0.41003 - 1.47277I$		
$a = -0.200926 + 1.091420I$	$-0.12706 + 9.08974I$	0
$b = 1.304720 - 0.503059I$		
$u = 0.31796 + 1.49626I$		
$a = 0.16241 + 1.44977I$	$3.40236 - 8.11118I$	0
$b = -1.172020 - 0.570588I$		
$u = 0.31796 - 1.49626I$		
$a = 0.16241 - 1.44977I$	$3.40236 + 8.11118I$	0
$b = -1.172020 + 0.570588I$		
$u = -0.36939 + 1.49324I$		
$a = -0.19320 + 1.69855I$	$0.1662 + 19.5178I$	0
$b = 1.28262 - 0.72345I$		
$u = -0.36939 - 1.49324I$		
$a = -0.19320 - 1.69855I$	$0.1662 - 19.5178I$	0
$b = 1.28262 + 0.72345I$		
$u = 0.09369 + 1.55360I$		
$a = -1.079750 + 0.029301I$	$7.15214 - 1.71754I$	0
$b = 0.553396 - 0.133180I$		
$u = 0.09369 - 1.55360I$		
$a = -1.079750 - 0.029301I$	$7.15214 + 1.71754I$	0
$b = 0.553396 + 0.133180I$		
$u = 0.26232 + 1.53818I$		
$a = 0.53755 + 1.38774I$	$2.98298 - 9.50561I$	0
$b = -1.31579 - 0.72013I$		
$u = 0.26232 - 1.53818I$		
$a = 0.53755 - 1.38774I$	$2.98298 + 9.50561I$	0
$b = -1.31579 + 0.72013I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.07254 + 1.55880I$		
$a = 0.535691 + 0.604356I$	$8.36751 - 2.32631I$	0
$b = -0.614451 - 0.562278I$		
$u = -0.07254 - 1.55880I$		
$a = 0.535691 - 0.604356I$	$8.36751 + 2.32631I$	0
$b = -0.614451 + 0.562278I$		
$u = 0.39814 + 1.52226I$		
$a = -0.15966 - 1.62974I$	$0.58666 - 9.65964I$	0
$b = 1.070620 + 0.600799I$		
$u = 0.39814 - 1.52226I$		
$a = -0.15966 + 1.62974I$	$0.58666 + 9.65964I$	0
$b = 1.070620 - 0.600799I$		
$u = 0.411023 + 0.111534I$		
$a = 3.95344 + 0.88557I$	$-0.17955 - 2.16910I$	$-5.61403 + 6.23784I$
$b = 0.915658 + 0.227156I$		
$u = 0.411023 - 0.111534I$		
$a = 3.95344 - 0.88557I$	$-0.17955 + 2.16910I$	$-5.61403 - 6.23784I$
$b = 0.915658 - 0.227156I$		
$u = 0.13104 + 1.59747I$		
$a = 0.764192 - 0.716684I$	$5.98696 - 5.01739I$	0
$b = -0.469970 + 0.418534I$		
$u = 0.13104 - 1.59747I$		
$a = 0.764192 + 0.716684I$	$5.98696 + 5.01739I$	0
$b = -0.469970 - 0.418534I$		
$u = 0.251273 + 0.294215I$		
$a = 2.55180 + 0.33707I$	$-1.53089 - 2.29908I$	$0.66513 + 4.08716I$
$b = -0.706513 - 0.551091I$		
$u = 0.251273 - 0.294215I$		
$a = 2.55180 - 0.33707I$	$-1.53089 + 2.29908I$	$0.66513 - 4.08716I$
$b = -0.706513 + 0.551091I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.01175 + 1.69084I$		
$a = -0.477497 - 0.543141I$	$5.70671 - 6.09660I$	0
$b = 0.663871 + 0.364920I$		
$u = 0.01175 - 1.69084I$		
$a = -0.477497 + 0.543141I$	$5.70671 + 6.09660I$	0
$b = 0.663871 - 0.364920I$		
$u = 0.130172 + 0.093907I$		
$a = 1.69000 + 1.63828I$	$0.78817 + 2.51729I$	$-2.1938 + 17.1726I$
$b = 0.525449 - 1.070560I$		
$u = 0.130172 - 0.093907I$		
$a = 1.69000 - 1.63828I$	$0.78817 - 2.51729I$	$-2.1938 - 17.1726I$
$b = 0.525449 + 1.070560I$		
$u = -0.1113420 + 0.0440042I$		
$a = 7.83129 - 0.09976I$	$-1.67474 + 2.05875I$	$-0.24305 - 3.66078I$
$b = 0.888164 - 0.452496I$		
$u = -0.1113420 - 0.0440042I$		
$a = 7.83129 + 0.09976I$	$-1.67474 - 2.05875I$	$-0.24305 + 3.66078I$
$b = 0.888164 + 0.452496I$		

II.

$$I_2^u = \langle 1.50 \times 10^5 u^{35} + 1.35 \times 10^6 u^{34} + \dots + 8.92 \times 10^5 b + 1.01 \times 10^6, -9.19 \times 10^5 u^{35} + 3.56 \times 10^6 u^{34} + \dots + 8.92 \times 10^5 a - 2.38 \times 10^6, u^{36} - 8u^{35} + \dots - 10u + 1 \rangle$$

(i) Arc colorings

$$\begin{aligned} a_5 &= \begin{pmatrix} 0 \\ u \end{pmatrix} \\ a_{12} &= \begin{pmatrix} 1 \\ 0 \end{pmatrix} \\ a_1 &= \begin{pmatrix} 1 \\ u^2 \end{pmatrix} \\ a_4 &= \begin{pmatrix} u \\ u^3 + u \end{pmatrix} \\ a_2 &= \begin{pmatrix} u^2 + 1 \\ u^4 + 2u^2 \end{pmatrix} \\ a_9 &= \begin{pmatrix} 1.02996u^{35} - 3.98834u^{34} + \dots - 6.24114u + 2.66418 \\ -0.168177u^{35} - 1.51884u^{34} + \dots + 5.82168u - 1.13422 \end{pmatrix} \\ a_3 &= \begin{pmatrix} -0.686833u^{35} + 6.84037u^{34} + \dots - 59.7725u + 5.60855 \\ -1.59563u^{35} + 14.2125u^{34} + \dots - 0.377244u - 0.648296 \end{pmatrix} \\ a_8 &= \begin{pmatrix} 0.861784u^{35} - 5.50719u^{34} + \dots - 0.419456u + 1.52997 \\ -0.168177u^{35} - 1.51884u^{34} + \dots + 5.82168u - 1.13422 \end{pmatrix} \\ a_7 &= \begin{pmatrix} -1.02035u^{35} + 9.21222u^{34} + \dots - 51.8896u + 6.01389 \\ -0.169504u^{35} + 1.08453u^{34} + \dots - 12.1591u + 0.0163512 \end{pmatrix} \\ a_{11} &= \begin{pmatrix} -0.211043u^{35} + 4.30731u^{34} + \dots - 1.56857u + 3.03228 \\ 2.61896u^{35} - 19.8031u^{34} + \dots - 33.0782u + 4.21104 \end{pmatrix} \\ a_6 &= \begin{pmatrix} 0.335996u^{35} - 2.76642u^{34} + \dots - 44.8199u + 3.94342 \\ 1.61896u^{35} - 10.8031u^{34} + \dots - 9.07815u + 0.211043 \end{pmatrix} \\ a_{10} &= \begin{pmatrix} -0.768259u^{35} + 9.48715u^{34} + \dots + 17.7380u + 0.128084 \\ 1.47681u^{35} - 9.34615u^{34} + \dots - 42.3705u + 4.93644 \end{pmatrix} \end{aligned}$$

(ii) Obstruction class = 1

(iii) Cusp Shapes = $\frac{8011071}{297307}u^{35} - \frac{62847785}{297307}u^{34} + \dots + \frac{111713417}{297307}u - \frac{9239715}{297307}$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_{12}	$u^{36} - 8u^{35} + \cdots - 10u + 1$
c_2	$u^{36} - 2u^{35} + \cdots - u + 1$
c_3	$u^{36} + 3u^{33} + \cdots + 36u + 28$
c_4	$u^{36} + 8u^{35} + \cdots + 10u + 1$
c_5	$u^{36} + 2u^{34} + \cdots - 68u + 28$
c_6	$u^{36} + 3u^{35} + \cdots + 10u + 1$
c_7	$u^{36} + u^{35} + \cdots + u + 1$
c_8	$u^{36} - u^{35} + \cdots + 2u + 1$
c_9	$u^{36} - 3u^{35} + \cdots - 10u + 1$
c_{10}	$u^{36} - u^{35} + \cdots + 6u + 1$
c_{11}	$u^{36} + u^{35} + \cdots - 2u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_4, c_{12}	$y^{36} + 38y^{35} + \cdots + 38y + 1$
c_2	$y^{36} + 12y^{35} + \cdots - 7y + 1$
c_3	$y^{36} + 8y^{34} + \cdots + 10128y + 784$
c_5	$y^{36} + 4y^{35} + \cdots + 1200y + 784$
c_6, c_9	$y^{36} + 27y^{35} + \cdots + 6y + 1$
c_7	$y^{36} + 15y^{35} + \cdots + 3y + 1$
c_8, c_{11}	$y^{36} - 21y^{35} + \cdots - 30y + 1$
c_{10}	$y^{36} + 3y^{35} + \cdots + 70y^2 + 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.533885 + 0.970339I$		
$a = 0.127119 + 0.362223I$	$-1.64580 - 1.75060I$	0
$b = -0.989285 + 0.135828I$		
$u = 0.533885 - 0.970339I$		
$a = 0.127119 - 0.362223I$	$-1.64580 + 1.75060I$	0
$b = -0.989285 - 0.135828I$		
$u = 0.969458 + 0.588695I$		
$a = 0.429402 - 0.700696I$	$-4.80823 - 4.53254I$	0
$b = 1.032740 + 0.357926I$		
$u = 0.969458 - 0.588695I$		
$a = 0.429402 + 0.700696I$	$-4.80823 + 4.53254I$	0
$b = 1.032740 - 0.357926I$		
$u = 0.233279 + 1.150440I$		
$a = 0.736292 + 0.587646I$	$-1.37039 - 1.28460I$	0
$b = -1.386120 + 0.239135I$		
$u = 0.233279 - 1.150440I$		
$a = 0.736292 - 0.587646I$	$-1.37039 + 1.28460I$	0
$b = -1.386120 - 0.239135I$		
$u = -0.037785 + 1.178950I$		
$a = -0.609449 - 0.538714I$	$-4.84574 + 5.70700I$	0
$b = 1.49631 - 0.04163I$		
$u = -0.037785 - 1.178950I$		
$a = -0.609449 + 0.538714I$	$-4.84574 - 5.70700I$	0
$b = 1.49631 + 0.04163I$		
$u = 0.805016 + 0.126771I$		
$a = -0.824930 + 0.385825I$	$-4.18489 - 2.62068I$	$-2.84257 + 3.19711I$
$b = -1.095740 - 0.538036I$		
$u = 0.805016 - 0.126771I$		
$a = -0.824930 - 0.385825I$	$-4.18489 + 2.62068I$	$-2.84257 - 3.19711I$
$b = -1.095740 + 0.538036I$		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.165779 + 1.234590I$		
$a = 0.13062 + 2.58731I$	$-0.74410 + 7.03680I$	0
$b = 0.601661 - 0.283064I$		
$u = -0.165779 - 1.234590I$		
$a = 0.13062 - 2.58731I$	$-0.74410 - 7.03680I$	0
$b = 0.601661 + 0.283064I$		
$u = 0.899142 + 0.916996I$		
$a = 0.0821422 + 0.0046731I$	$-3.92995 - 1.97942I$	0
$b = 0.832483 - 0.264930I$		
$u = 0.899142 - 0.916996I$		
$a = 0.0821422 - 0.0046731I$	$-3.92995 + 1.97942I$	0
$b = 0.832483 + 0.264930I$		
$u = -0.007158 + 0.708970I$		
$a = -0.867199 - 1.007810I$	$-6.64576 - 5.45010I$	$-5.09080 + 4.87596I$
$b = 1.358370 + 0.115535I$		
$u = -0.007158 - 0.708970I$		
$a = -0.867199 + 1.007810I$	$-6.64576 + 5.45010I$	$-5.09080 - 4.87596I$
$b = 1.358370 - 0.115535I$		
$u = 0.048386 + 1.293590I$		
$a = 0.74648 - 2.14839I$	$4.52833 + 1.97332I$	0
$b = -0.570571 + 1.050880I$		
$u = 0.048386 - 1.293590I$		
$a = 0.74648 + 2.14839I$	$4.52833 - 1.97332I$	0
$b = -0.570571 - 1.050880I$		
$u = -0.028795 + 1.323720I$		
$a = 0.09215 - 1.88659I$	$4.04448 + 2.16603I$	0
$b = -1.015720 + 0.567973I$		
$u = -0.028795 - 1.323720I$		
$a = 0.09215 + 1.88659I$	$4.04448 - 2.16603I$	0
$b = -1.015720 - 0.567973I$		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.347408 + 1.329210I$		
$a = -0.21748 + 1.64557I$	$0.36298 - 6.77899I$	0
$b = -1.038130 - 0.766999I$		
$u = 0.347408 - 1.329210I$		
$a = -0.21748 - 1.64557I$	$0.36298 + 6.77899I$	0
$b = -1.038130 + 0.766999I$		
$u = -0.267265 + 0.539289I$		
$a = 1.65877 + 2.74128I$	$-3.24314 - 5.36502I$	$-7.53946 + 2.37356I$
$b = 0.614762 + 0.105373I$		
$u = -0.267265 - 0.539289I$		
$a = 1.65877 - 2.74128I$	$-3.24314 + 5.36502I$	$-7.53946 - 2.37356I$
$b = 0.614762 - 0.105373I$		
$u = 0.09281 + 1.45881I$		
$a = 0.21397 + 1.46679I$	$6.47556 - 3.78965I$	0
$b = -0.258530 - 1.133270I$		
$u = 0.09281 - 1.45881I$		
$a = 0.21397 - 1.46679I$	$6.47556 + 3.78965I$	0
$b = -0.258530 + 1.133270I$		
$u = 0.05185 + 1.54777I$		
$a = 0.943551 - 0.051012I$	$7.14619 - 2.13271I$	0
$b = -0.503844 - 0.114561I$		
$u = 0.05185 - 1.54777I$		
$a = 0.943551 + 0.051012I$	$7.14619 + 2.13271I$	0
$b = -0.503844 + 0.114561I$		
$u = 0.29173 + 1.54648I$		
$a = -0.33020 - 1.38646I$	$2.20071 - 8.92537I$	0
$b = 1.202160 + 0.570425I$		
$u = 0.29173 - 1.54648I$		
$a = -0.33020 + 1.38646I$	$2.20071 + 8.92537I$	0
$b = 1.202160 - 0.570425I$		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.09740 + 1.64098I$		
$a = -0.461130 + 0.535451I$	$5.43737 - 5.17892I$	0
$b = 0.493504 - 0.179561I$		
$u = 0.09740 - 1.64098I$		
$a = -0.461130 - 0.535451I$	$5.43737 + 5.17892I$	0
$b = 0.493504 + 0.179561I$		
$u = -0.037185 + 0.297031I$		
$a = 2.21923 - 3.75530I$	$0.41358 - 1.85518I$	$6.34588 + 1.64255I$
$b = -0.785947 - 0.304483I$		
$u = -0.037185 - 0.297031I$		
$a = 2.21923 + 3.75530I$	$0.41358 + 1.85518I$	$6.34588 - 1.64255I$
$b = -0.785947 + 0.304483I$		
$u = 0.173606 + 0.180367I$		
$a = 0.930666 + 0.069034I$	$0.80880 - 2.71970I$	$2.4894 + 21.3470I$
$b = -0.488104 - 1.025620I$		
$u = 0.173606 - 0.180367I$		
$a = 0.930666 - 0.069034I$	$0.80880 + 2.71970I$	$2.4894 - 21.3470I$
$b = -0.488104 + 1.025620I$		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1, c_{12}	$(u^{36} - 8u^{35} + \dots - 10u + 1)(u^{146} + 7u^{145} + \dots - 117u + 31)$
c_2	$(u^{36} - 2u^{35} + \dots - u + 1)(u^{146} - 3u^{145} + \dots - 232u + 23)$
c_3	$(u^{36} + 3u^{33} + \dots + 36u + 28) \cdot (u^{146} - u^{145} + \dots + 36926312u + 87096208)$
c_4	$(u^{36} + 8u^{35} + \dots + 10u + 1)(u^{146} + 7u^{145} + \dots - 117u + 31)$
c_5	$(u^{36} + 2u^{34} + \dots - 68u + 28) \cdot (u^{146} + u^{145} + \dots - 73218680u + 5055088)$
c_6	$(u^{36} + 3u^{35} + \dots + 10u + 1)(u^{146} + 6u^{145} + \dots + 59u + 1)$
c_7	$(u^{36} + u^{35} + \dots + u + 1)(u^{146} + 14u^{144} + \dots - 34304u + 1984)$
c_8	$(u^{36} - u^{35} + \dots + 2u + 1)(u^{146} + 6u^{145} + \dots + 10735u + 2329)$
c_9	$(u^{36} - 3u^{35} + \dots - 10u + 1)(u^{146} + 6u^{145} + \dots + 59u + 1)$
c_{10}	$(u^{36} - u^{35} + \dots + 6u + 1)(u^{146} - 6u^{145} + \dots + 186624u + 155392)$
c_{11}	$(u^{36} + u^{35} + \dots - 2u + 1)(u^{146} + 6u^{145} + \dots + 10735u + 2329)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1, c_4, c_{12}	$(y^{36} + 38y^{35} + \dots + 38y + 1)(y^{146} + 139y^{145} + \dots - 122499y + 961)$
c_2	$(y^{36} + 12y^{35} + \dots - 7y + 1)(y^{146} + 21y^{145} + \dots + 34036y + 529)$
c_3	$(y^{36} + 8y^{34} + \dots + 10128y + 784)$ $\cdot (y^{146} + 25y^{145} + \dots + 222241981535540160y + 7585749447979264)$
c_5	$(y^{36} + 4y^{35} + \dots + 1200y + 784)$ $\cdot (y^{146} + 29y^{145} + \dots + 948957128361152y + 25553914687744)$
c_6, c_9	$(y^{36} + 27y^{35} + \dots + 6y + 1)(y^{146} + 104y^{145} + \dots - 243y + 1)$
c_7	$(y^{36} + 15y^{35} + \dots + 3y + 1)$ $\cdot (y^{146} + 28y^{145} + \dots + 135151616y + 3936256)$
c_8, c_{11}	$(y^{36} - 21y^{35} + \dots - 30y + 1)$ $\cdot (y^{146} - 76y^{145} + \dots - 142242651y + 5424241)$
c_{10}	$(y^{36} + 3y^{35} + \dots + 70y^2 + 1)$ $\cdot (y^{146} + 20y^{145} + \dots + 1419362140160y + 24146673664)$