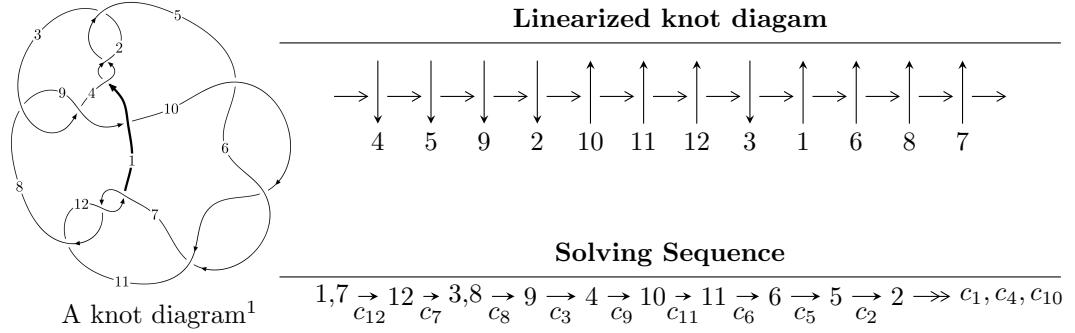


$12a_{0836}$ ($K12a_{0836}$)



Ideals for irreducible components² of X_{par}

$$I_1^u = \langle -u^{65} + u^{64} + \dots + b + 2u, \ u^{65} - u^{64} + \dots + a - 2, \ u^{68} - 2u^{67} + \dots + 2u + 1 \rangle$$

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

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 74 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.

$$I_1^u = \langle -u^{65} + u^{64} + \dots + b + 2u, \ u^{65} - u^{64} + \dots + a - 2, \ u^{68} - 2u^{67} + \dots + 2u + 1 \rangle^{\text{I.}}$$

(i) Arc colorings

$$\begin{aligned} a_1 &= \begin{pmatrix} 1 \\ 0 \end{pmatrix} \\ a_7 &= \begin{pmatrix} 0 \\ u \end{pmatrix} \\ a_{12} &= \begin{pmatrix} 1 \\ u^2 \end{pmatrix} \\ a_3 &= \begin{pmatrix} -u^{65} + u^{64} + \dots - 3u + 2 \\ u^{65} - u^{64} + \dots + 7u^2 - 2u \end{pmatrix} \\ a_8 &= \begin{pmatrix} u \\ u^3 + u \end{pmatrix} \\ a_9 &= \begin{pmatrix} u^{10} + 3u^8 + 2u^6 - 3u^4 - 3u^2 + 1 \\ -u^{10} - 4u^8 - 5u^6 + 3u^2 \end{pmatrix} \\ a_4 &= \begin{pmatrix} u^{65} - u^{64} + \dots - 4u + 1 \\ u^{65} - u^{64} + \dots + 4u^2 - 3u \end{pmatrix} \\ a_{10} &= \begin{pmatrix} -u^8 - 3u^6 - 3u^4 + 1 \\ -u^{10} - 4u^8 - 5u^6 + 3u^2 \end{pmatrix} \\ a_{11} &= \begin{pmatrix} u^2 + 1 \\ u^4 + 2u^2 \end{pmatrix} \\ a_6 &= \begin{pmatrix} -u^5 - 2u^3 - u \\ -u^7 - 3u^5 - 2u^3 + u \end{pmatrix} \\ a_5 &= \begin{pmatrix} u^{11} + 4u^9 + 6u^7 + 2u^5 - 3u^3 - 2u \\ u^{13} + 5u^{11} + 9u^9 + 4u^7 - 6u^5 - 5u^3 + u \end{pmatrix} \\ a_2 &= \begin{pmatrix} u^{63} - u^{62} + \dots - 4u + 2 \\ u^{65} - u^{64} + \dots + 5u^2 - 2u \end{pmatrix} \end{aligned}$$

(ii) Obstruction class = -1

(iii) Cusp Shapes = $-4u^{67} + 8u^{66} + \dots + 36u - 3$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_2, c_4	$u^{68} - 7u^{67} + \cdots + 3u - 1$
c_3, c_8	$u^{68} + u^{67} + \cdots - 128u - 64$
c_5, c_6, c_{10}	$u^{68} + 2u^{67} + \cdots + 172u + 17$
c_7, c_{11}, c_{12}	$u^{68} - 2u^{67} + \cdots + 2u + 1$
c_9	$u^{68} - 6u^{67} + \cdots + 19512u - 3344$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_2, c_4	$y^{68} - 65y^{67} + \cdots + 29y + 1$
c_3, c_8	$y^{68} - 39y^{67} + \cdots - 53248y + 4096$
c_5, c_6, c_{10}	$y^{68} - 66y^{67} + \cdots - 5682y + 289$
c_7, c_{11}, c_{12}	$y^{68} + 54y^{67} + \cdots - 26y + 1$
c_9	$y^{68} + 18y^{67} + \cdots - 465943328y + 11182336$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.274868 + 1.060340I$		
$a = -0.526754 - 0.257503I$	$-7.01631 + 3.93719I$	0
$b = 0.172316 + 0.844015I$		
$u = 0.274868 - 1.060340I$		
$a = -0.526754 + 0.257503I$	$-7.01631 - 3.93719I$	0
$b = 0.172316 - 0.844015I$		
$u = -0.895864$		
$a = -0.191061$	4.93401	-0.595830
$b = 0.633345$		
$u = 0.096240 + 1.118240I$		
$a = 0.850399 - 0.314781I$	$-1.83195 + 1.81972I$	0
$b = -0.471781 - 0.369891I$		
$u = 0.096240 - 1.118240I$		
$a = 0.850399 + 0.314781I$	$-1.83195 - 1.81972I$	0
$b = -0.471781 + 0.369891I$		
$u = 0.869205 + 0.074527I$		
$a = 1.315300 + 0.517853I$	$-0.59482 + 10.16420I$	$1.87647 - 5.92631I$
$b = 0.83012 + 1.96876I$		
$u = 0.869205 - 0.074527I$		
$a = 1.315300 - 0.517853I$	$-0.59482 - 10.16420I$	$1.87647 + 5.92631I$
$b = 0.83012 - 1.96876I$		
$u = -0.861015 + 0.021460I$		
$a = 0.068130 - 0.155149I$	$7.57123 - 1.21218I$	$9.68961 + 0.94684I$
$b = -0.310712 + 0.559057I$		
$u = -0.861015 - 0.021460I$		
$a = 0.068130 + 0.155149I$	$7.57123 + 1.21218I$	$9.68961 - 0.94684I$
$b = -0.310712 - 0.559057I$		
$u = 0.856269 + 0.057784I$		
$a = -1.47487 - 0.56535I$	$5.18799 + 5.94447I$	$5.15329 - 5.45502I$
$b = -1.22357 - 1.80577I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.856269 - 0.057784I$		
$a = -1.47487 + 0.56535I$	$5.18799 - 5.94447I$	$5.15329 + 5.45502I$
$b = -1.22357 + 1.80577I$		
$u = -0.842334 + 0.053972I$		
$a = -0.054941 + 0.246831I$	$2.36110 - 3.67346I$	$3.13855 + 2.67186I$
$b = 0.457743 - 0.884595I$		
$u = -0.842334 - 0.053972I$		
$a = -0.054941 - 0.246831I$	$2.36110 + 3.67346I$	$3.13855 - 2.67186I$
$b = 0.457743 + 0.884595I$		
$u = 0.832992 + 0.037249I$		
$a = 1.70552 + 0.38792I$	$3.56303 + 1.00362I$	$2.39038 - 0.55408I$
$b = 1.61773 + 1.11342I$		
$u = 0.832992 - 0.037249I$		
$a = 1.70552 - 0.38792I$	$3.56303 - 1.00362I$	$2.39038 + 0.55408I$
$b = 1.61773 - 1.11342I$		
$u = -0.039755 + 1.193740I$		
$a = -1.47104 + 1.52287I$	$-4.53839 - 0.93955I$	0
$b = 1.210760 - 0.091966I$		
$u = -0.039755 - 1.193740I$		
$a = -1.47104 - 1.52287I$	$-4.53839 + 0.93955I$	0
$b = 1.210760 + 0.091966I$		
$u = 0.726273 + 0.104581I$		
$a = -1.340580 - 0.221368I$	$-4.17485 - 0.25355I$	$0.106562 - 0.720449I$
$b = -0.223564 - 0.553926I$		
$u = 0.726273 - 0.104581I$		
$a = -1.340580 + 0.221368I$	$-4.17485 + 0.25355I$	$0.106562 + 0.720449I$
$b = -0.223564 + 0.553926I$		
$u = 0.139307 + 1.264580I$		
$a = 0.387719 + 0.377472I$	$-3.21418 + 2.27728I$	0
$b = 0.052113 - 0.152925I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.139307 - 1.264580I$		
$a = 0.387719 - 0.377472I$	$-3.21418 - 2.27728I$	0
$b = 0.052113 + 0.152925I$		
$u = 0.420834 + 1.201420I$		
$a = -1.004800 + 0.249172I$	$-4.06146 - 5.54434I$	0
$b = 0.82821 - 1.85021I$		
$u = 0.420834 - 1.201420I$		
$a = -1.004800 - 0.249172I$	$-4.06146 + 5.54434I$	0
$b = 0.82821 + 1.85021I$		
$u = -0.385541 + 1.220900I$		
$a = -1.264540 - 0.576743I$	$-1.23320 - 0.73928I$	0
$b = 0.601184 + 0.839021I$		
$u = -0.385541 - 1.220900I$		
$a = -1.264540 + 0.576743I$	$-1.23320 + 0.73928I$	0
$b = 0.601184 - 0.839021I$		
$u = 0.402134 + 1.217770I$		
$a = 1.050320 + 0.234054I$	$1.61428 - 1.42992I$	0
$b = -1.21789 + 1.63529I$		
$u = 0.402134 - 1.217770I$		
$a = 1.050320 - 0.234054I$	$1.61428 + 1.42992I$	0
$b = -1.21789 - 1.63529I$		
$u = 0.376637 + 1.240150I$		
$a = -0.656599 - 1.012060I$	$-0.15109 + 3.34387I$	0
$b = 1.64633 - 0.88359I$		
$u = 0.376637 - 1.240150I$		
$a = -0.656599 + 1.012060I$	$-0.15109 - 3.34387I$	0
$b = 1.64633 + 0.88359I$		
$u = -0.402053 + 1.254660I$		
$a = 0.816153 + 0.355455I$	$3.75268 - 3.31527I$	0
$b = -0.409003 - 0.522193I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.402053 - 1.254660I$		
$a = 0.816153 - 0.355455I$	$3.75268 + 3.31527I$	0
$b = -0.409003 + 0.522193I$		
$u = -0.104897 + 1.326030I$		
$a = 0.59543 + 3.16636I$	$-6.63847 - 0.67362I$	0
$b = 0.56443 - 1.71708I$		
$u = -0.104897 - 1.326030I$		
$a = 0.59543 - 3.16636I$	$-6.63847 + 0.67362I$	0
$b = 0.56443 + 1.71708I$		
$u = 0.126734 + 1.333640I$		
$a = -0.924830 - 0.807120I$	$-8.45190 + 3.15667I$	0
$b = 0.106274 + 0.311282I$		
$u = 0.126734 - 1.333640I$		
$a = -0.924830 + 0.807120I$	$-8.45190 - 3.15667I$	0
$b = 0.106274 - 0.311282I$		
$u = -0.146516 + 1.332920I$		
$a = -0.99913 - 3.23738I$	$-6.11073 - 5.54221I$	0
$b = -0.36801 + 1.96714I$		
$u = -0.146516 - 1.332920I$		
$a = -0.99913 + 3.23738I$	$-6.11073 + 5.54221I$	0
$b = -0.36801 - 1.96714I$		
$u = -0.427740 + 1.279080I$		
$a = -0.709037 + 0.446061I$	$0.96243 - 4.73147I$	0
$b = 0.629160 - 0.054561I$		
$u = -0.427740 - 1.279080I$		
$a = -0.709037 - 0.446061I$	$0.96243 + 4.73147I$	0
$b = 0.629160 + 0.054561I$		
$u = -0.396517 + 1.289790I$		
$a = -0.091140 - 0.825123I$	$3.48887 - 5.72199I$	0
$b = -0.217786 + 0.572163I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.396517 - 1.289790I$		
$a = -0.091140 + 0.825123I$	$3.48887 + 5.72199I$	0
$b = -0.217786 - 0.572163I$		
$u = 0.375212 + 1.299320I$		
$a = 0.99882 - 2.11483I$	$-0.60813 + 5.34727I$	0
$b = 1.59088 + 1.31222I$		
$u = 0.375212 - 1.299320I$		
$a = 0.99882 + 2.11483I$	$-0.60813 - 5.34727I$	0
$b = 1.59088 - 1.31222I$		
$u = 0.325026 + 1.312790I$		
$a = -1.12164 + 1.07523I$	$-8.57365 + 3.57514I$	0
$b = -0.598332 - 0.646888I$		
$u = 0.325026 - 1.312790I$		
$a = -1.12164 - 1.07523I$	$-8.57365 - 3.57514I$	0
$b = -0.598332 + 0.646888I$		
$u = -0.355477 + 0.540754I$		
$a = -1.56452 - 0.66386I$	$-7.83604 + 3.56277I$	$-3.48429 - 0.26987I$
$b = 0.109402 + 1.371900I$		
$u = -0.355477 - 0.540754I$		
$a = -1.56452 + 0.66386I$	$-7.83604 - 3.56277I$	$-3.48429 + 0.26987I$
$b = 0.109402 - 1.371900I$		
$u = -0.536593 + 0.355337I$		
$a = 1.184830 + 0.517192I$	$-7.14400 - 6.91551I$	$-1.34390 + 7.27933I$
$b = 0.32245 - 1.66008I$		
$u = -0.536593 - 0.355337I$		
$a = 1.184830 - 0.517192I$	$-7.14400 + 6.91551I$	$-1.34390 - 7.27933I$
$b = 0.32245 + 1.66008I$		
$u = -0.380136 + 1.310130I$		
$a = 0.137470 + 1.319400I$	$-1.90173 - 8.06695I$	0
$b = 0.338862 - 0.902883I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.380136 - 1.310130I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 0.137470 - 1.319400I$	$-1.90173 + 8.06695I$	0
$b = 0.338862 + 0.902883I$		
$u = -0.076307 + 1.363730I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = -0.76099 - 2.76851I$	$-13.64730 + 2.32372I$	0
$b = -0.28084 + 1.50736I$		
$u = -0.076307 - 1.363730I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = -0.76099 + 2.76851I$	$-13.64730 - 2.32372I$	0
$b = -0.28084 - 1.50736I$		
$u = -0.165622 + 1.358730I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 1.04285 + 3.06303I$	$-12.5196 - 9.3121I$	0
$b = 0.23955 - 1.93117I$		
$u = -0.165622 - 1.358730I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 1.04285 - 3.06303I$	$-12.5196 + 9.3121I$	0
$b = 0.23955 + 1.93117I$		
$u = 0.388285 + 1.314120I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = -1.57085 + 2.17185I$	$0.89978 + 10.41270I$	0
$b = -1.20114 - 1.94252I$		
$u = 0.388285 - 1.314120I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = -1.57085 - 2.17185I$	$0.89978 - 10.41270I$	0
$b = -1.20114 + 1.94252I$		
$u = 0.393601 + 1.326560I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 1.80874 - 2.01322I$	$-4.9810 + 14.6950I$	0
$b = 0.80659 + 2.06065I$		
$u = 0.393601 - 1.326560I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 1.80874 + 2.01322I$	$-4.9810 - 14.6950I$	0
$b = 0.80659 - 2.06065I$		
$u = -0.461201 + 0.310199I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = -1.342820 - 0.347618I$	$-1.02729 - 3.44858I$	1.47745 + 8.39807I
$b = -0.39492 + 1.52052I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.461201 - 0.310199I$		
$a = -1.342820 + 0.347618I$	$-1.02729 + 3.44858I$	$1.47745 - 8.39807I$
$b = -0.39492 - 1.52052I$		
$u = 0.397825 + 0.339088I$		
$a = -1.159450 - 0.792131I$	$-3.31331 + 1.34942I$	$-0.69445 - 4.81797I$
$b = 0.421810 + 0.207688I$		
$u = 0.397825 - 0.339088I$		
$a = -1.159450 + 0.792131I$	$-3.31331 - 1.34942I$	$-0.69445 + 4.81797I$
$b = 0.421810 - 0.207688I$		
$u = -0.295735 + 0.374812I$		
$a = 1.64151 + 0.53692I$	$-1.52842 + 0.74751I$	$-1.82763 + 0.40847I$
$b = 0.199141 - 1.171910I$		
$u = -0.295735 - 0.374812I$		
$a = 1.64151 - 0.53692I$	$-1.52842 - 0.74751I$	$-1.82763 - 0.40847I$
$b = 0.199141 + 1.171910I$		
$u = 0.437462 + 0.102734I$		
$a = 0.720475 + 0.489361I$	$0.917664 + 0.265375I$	$10.32983 - 1.81252I$
$b = -0.1275350 - 0.0350142I$		
$u = 0.437462 - 0.102734I$		
$a = 0.720475 - 0.489361I$	$0.917664 - 0.265375I$	$10.32983 + 1.81252I$
$b = -0.1275350 + 0.0350142I$		
$u = -0.227060$		
$a = 2.62077$	-1.29008	-12.1470
$b = 0.966677$		

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

(i) Arc colorings

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

(ii) Obstruction class = 1

(iii) Cusp Shapes = $5u^4 + 6u^3 + 11u^2 + 6u + 5$

(iv) u-Polynomials at the component

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

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_2, c_4	$(y - 1)^6$
c_3, c_8	y^6
c_5, c_6, c_9 c_{10}	$y^6 - 7y^5 + 17y^4 - 16y^3 + 6y^2 - 5y + 1$
c_7, c_{11}, c_{12}	$y^6 + 5y^5 + 9y^4 + 4y^3 - 6y^2 - 5y + 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.873214$		
$a = 0.567375$	6.01515	7.06030
$b = 1.00000$		
$u = 0.138835 + 1.234450I$		
$a = -1.35607 - 0.92119I$	$-4.60518 + 1.97241I$	$-3.77811 - 4.83849I$
$b = 1.00000$		
$u = 0.138835 - 1.234450I$		
$a = -1.35607 + 0.92119I$	$-4.60518 - 1.97241I$	$-3.77811 + 4.83849I$
$b = 1.00000$		
$u = -0.408802 + 1.276380I$		
$a = -0.354716 + 0.801205I$	2.05064 - 4.59213I	3.28527 + 2.79936I
$b = 1.00000$		
$u = -0.408802 - 1.276380I$		
$a = -0.354716 - 0.801205I$	2.05064 + 4.59213I	3.28527 - 2.79936I
$b = 1.00000$		
$u = 0.413150$		
$a = 0.854195$	-0.906083	9.92530
$b = 1.00000$		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1, c_2	$((u - 1)^6)(u^{68} - 7u^{67} + \dots + 3u - 1)$
c_3, c_8	$u^6(u^{68} + u^{67} + \dots - 128u - 64)$
c_4	$((u + 1)^6)(u^{68} - 7u^{67} + \dots + 3u - 1)$
c_5, c_6	$(u^6 + u^5 - 3u^4 - 2u^3 + 2u^2 - u - 1)(u^{68} + 2u^{67} + \dots + 172u + 17)$
c_7	$(u^6 - u^5 + 3u^4 - 2u^3 + 2u^2 - u - 1)(u^{68} - 2u^{67} + \dots + 2u + 1)$
c_9	$(u^6 + u^5 - 3u^4 - 2u^3 + 2u^2 - u - 1)(u^{68} - 6u^{67} + \dots + 19512u - 3344)$
c_{10}	$(u^6 - u^5 - 3u^4 + 2u^3 + 2u^2 + u - 1)(u^{68} + 2u^{67} + \dots + 172u + 17)$
c_{11}, c_{12}	$(u^6 + u^5 + 3u^4 + 2u^3 + 2u^2 + u - 1)(u^{68} - 2u^{67} + \dots + 2u + 1)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1, c_2, c_4	$((y - 1)^6)(y^{68} - 65y^{67} + \dots + 29y + 1)$
c_3, c_8	$y^6(y^{68} - 39y^{67} + \dots - 53248y + 4096)$
c_5, c_6, c_{10}	$(y^6 - 7y^5 + 17y^4 - 16y^3 + 6y^2 - 5y + 1) \cdot (y^{68} - 66y^{67} + \dots - 5682y + 289)$
c_7, c_{11}, c_{12}	$(y^6 + 5y^5 + \dots - 5y + 1)(y^{68} + 54y^{67} + \dots - 26y + 1)$
c_9	$(y^6 - 7y^5 + 17y^4 - 16y^3 + 6y^2 - 5y + 1) \cdot (y^{68} + 18y^{67} + \dots - 465943328y + 11182336)$