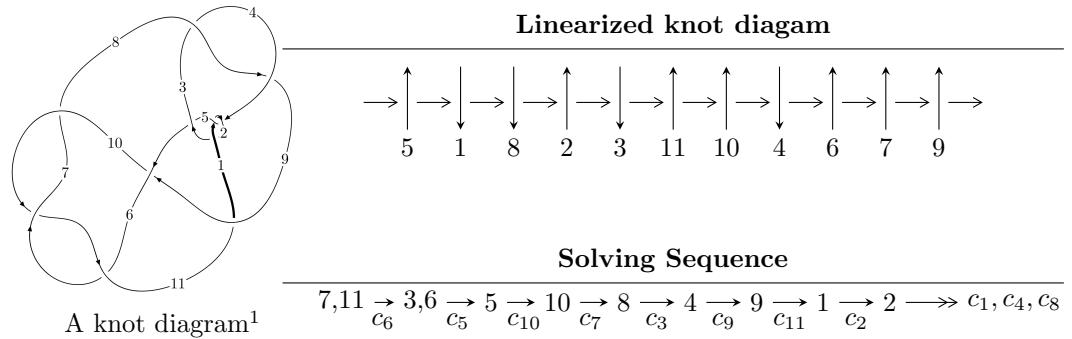


11a₈ (K11a₈)



Ideals for irreducible components² of X_{par}

$$\begin{aligned} I_1^u &= \langle 4u^{63} - 11u^{62} + \dots + 2b - 2, -5u^{63} + 14u^{62} + \dots + 2a + 12, u^{64} - 3u^{63} + \dots - 3u + 1 \rangle \\ I_2^u &= \langle -u^2a - au + b, -u^2a + a^2 - au + 2u^2 - 2a + u + 3, u^3 + u^2 + 2u + 1 \rangle \end{aligned}$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 70 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.

$$\text{I. } I_1^u = \langle 4u^{63} - 11u^{62} + \dots + 2b - 2, -5u^{63} + 14u^{62} + \dots + 2a + 12, u^{64} - 3u^{63} + \dots - 3u + 1 \rangle$$

(i) Arc colorings

$$\begin{aligned} a_7 &= \begin{pmatrix} 1 \\ 0 \end{pmatrix} \\ a_{11} &= \begin{pmatrix} 0 \\ u \end{pmatrix} \\ a_3 &= \begin{pmatrix} \frac{5}{2}u^{63} - 7u^{62} + \dots + 7u - 6 \\ -2u^{63} + \frac{11}{2}u^{62} + \dots - \frac{1}{2}u + 1 \end{pmatrix} \\ a_6 &= \begin{pmatrix} 1 \\ u^2 \end{pmatrix} \\ a_5 &= \begin{pmatrix} \frac{1}{2}u^{63} - u^{62} + \dots + 4u + 1 \\ -\frac{1}{2}u^{62} + u^{61} + \dots - \frac{5}{2}u^2 - \frac{1}{2}u \end{pmatrix} \\ a_{10} &= \begin{pmatrix} -u \\ u \end{pmatrix} \\ a_8 &= \begin{pmatrix} u^2 + 1 \\ -u^2 \end{pmatrix} \\ a_4 &= \begin{pmatrix} \frac{9}{2}u^{63} - 10u^{62} + \dots + 8u - 7 \\ -4u^{63} + \frac{17}{2}u^{62} + \dots - \frac{1}{2}u + 1 \end{pmatrix} \\ a_9 &= \begin{pmatrix} -u^3 - 2u \\ -u^5 - u^3 + u \end{pmatrix} \\ a_1 &= \begin{pmatrix} u^7 + 4u^5 + 4u^3 \\ u^9 + 3u^7 + u^5 - 2u^3 + u \end{pmatrix} \\ a_2 &= \begin{pmatrix} 4u^{63} - 9u^{62} + \dots + \frac{17}{2}u - \frac{13}{2} \\ -3u^{63} + 6u^{62} + \dots + \frac{3}{2}u + \frac{1}{2} \end{pmatrix} \\ a_2 &= \begin{pmatrix} 4u^{63} - 9u^{62} + \dots + \frac{17}{2}u - \frac{13}{2} \\ -3u^{63} + 6u^{62} + \dots + \frac{3}{2}u + \frac{1}{2} \end{pmatrix} \end{aligned}$$

(ii) Obstruction class = -1

(iii) Cusp Shapes = $u^{63} - \frac{3}{2}u^{62} + \dots + 7u + \frac{1}{2}$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_4	$u^{64} + 4u^{63} + \cdots + 4u + 1$
c_2	$u^{64} + 32u^{63} + \cdots + 4u + 1$
c_3, c_8	$u^{64} - u^{63} + \cdots + 32u + 64$
c_5	$u^{64} - 4u^{63} + \cdots + 393u + 306$
c_6, c_7, c_{10}	$u^{64} + 3u^{63} + \cdots + 3u + 1$
c_9	$u^{64} - 3u^{63} + \cdots + 139u + 34$
c_{11}	$u^{64} + 13u^{63} + \cdots + 9803u + 563$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_4	$y^{64} + 32y^{63} + \cdots + 4y + 1$
c_2	$y^{64} + 4y^{63} + \cdots + 32y + 1$
c_3, c_8	$y^{64} - 35y^{63} + \cdots - 62464y + 4096$
c_5	$y^{64} - 24y^{63} + \cdots - 628749y + 93636$
c_6, c_7, c_{10}	$y^{64} + 59y^{63} + \cdots + 9y + 1$
c_9	$y^{64} + 7y^{63} + \cdots + 48679y + 1156$
c_{11}	$y^{64} + 27y^{63} + \cdots - 7846307y + 316969$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.015524 + 1.136780I$		
$a = -0.552080 - 1.014190I$	$-0.80196 - 1.43696I$	0
$b = 0.36725 + 2.32487I$		
$u = -0.015524 - 1.136780I$		
$a = -0.552080 + 1.014190I$	$-0.80196 + 1.43696I$	0
$b = 0.36725 - 2.32487I$		
$u = -0.214167 + 1.143170I$		
$a = -0.357469 - 0.874324I$	$-1.39099 - 2.85342I$	0
$b = 0.61975 + 1.95833I$		
$u = -0.214167 - 1.143170I$		
$a = -0.357469 + 0.874324I$	$-1.39099 + 2.85342I$	0
$b = 0.61975 - 1.95833I$		
$u = -0.298079 + 1.147240I$		
$a = 0.375987 + 1.027900I$	$-3.53941 - 7.25346I$	0
$b = -0.93034 - 2.15707I$		
$u = -0.298079 - 1.147240I$		
$a = 0.375987 - 1.027900I$	$-3.53941 + 7.25346I$	0
$b = -0.93034 + 2.15707I$		
$u = 0.476512 + 0.657222I$		
$a = 0.793347 - 0.123841I$	$-4.93845 - 6.98785I$	$-1.90680 + 3.70412I$
$b = -1.54179 - 0.10637I$		
$u = 0.476512 - 0.657222I$		
$a = 0.793347 + 0.123841I$	$-4.93845 + 6.98785I$	$-1.90680 - 3.70412I$
$b = -1.54179 + 0.10637I$		
$u = 0.735326 + 0.331337I$		
$a = 0.68785 - 2.32153I$	$-3.76417 + 11.20390I$	$0.56898 - 8.94453I$
$b = -0.1013060 + 0.0578601I$		
$u = 0.735326 - 0.331337I$		
$a = 0.68785 + 2.32153I$	$-3.76417 - 11.20390I$	$0.56898 + 8.94453I$
$b = -0.1013060 - 0.0578601I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.064188 + 1.195330I$		
$a = 0.61441 + 1.33088I$	$-2.10866 + 3.26818I$	0
$b = -0.13482 - 2.80368I$		
$u = 0.064188 - 1.195330I$		
$a = 0.61441 - 1.33088I$	$-2.10866 - 3.26818I$	0
$b = -0.13482 + 2.80368I$		
$u = 0.685998 + 0.378244I$		
$a = 0.37879 - 1.68792I$	$-5.86520 + 2.84323I$	$-2.57675 - 3.28324I$
$b = 0.181491 - 0.102139I$		
$u = 0.685998 - 0.378244I$		
$a = 0.37879 + 1.68792I$	$-5.86520 - 2.84323I$	$-2.57675 + 3.28324I$
$b = 0.181491 + 0.102139I$		
$u = 0.705613 + 0.324529I$		
$a = -0.36569 + 2.26750I$	$-1.18297 + 6.07475I$	$3.41678 - 5.69062I$
$b = -0.0346428 - 0.1104610I$		
$u = 0.705613 - 0.324529I$		
$a = -0.36569 - 2.26750I$	$-1.18297 - 6.07475I$	$3.41678 + 5.69062I$
$b = -0.0346428 + 0.1104610I$		
$u = 0.536487 + 0.551979I$		
$a = 0.443112 + 0.230612I$	$-6.52829 + 1.28000I$	$-4.07342 - 3.16356I$
$b = -1.088190 + 0.137761I$		
$u = 0.536487 - 0.551979I$		
$a = 0.443112 - 0.230612I$	$-6.52829 - 1.28000I$	$-4.07342 + 3.16356I$
$b = -1.088190 - 0.137761I$		
$u = -0.749948 + 0.055820I$		
$a = 1.85877 - 0.48714I$	$-0.20927 + 3.41413I$	$1.14237 - 4.37134I$
$b = -0.0293520 + 0.1192290I$		
$u = -0.749948 - 0.055820I$		
$a = 1.85877 + 0.48714I$	$-0.20927 - 3.41413I$	$1.14237 + 4.37134I$
$b = -0.0293520 - 0.1192290I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.439249 + 0.595498I$		
$a = -0.832885 - 0.094483I$	$-2.26669 - 2.10675I$	$0.859060 + 0.119964I$
$b = 1.269290 + 0.214528I$		
$u = 0.439249 - 0.595498I$		
$a = -0.832885 + 0.094483I$	$-2.26669 + 2.10675I$	$0.859060 - 0.119964I$
$b = 1.269290 - 0.214528I$		
$u = -0.299362 + 1.265870I$		
$a = 0.850164 + 0.773878I$	$-4.30101 - 0.38221I$	0
$b = -1.58589 - 1.35845I$		
$u = -0.299362 - 1.265870I$		
$a = 0.850164 - 0.773878I$	$-4.30101 + 0.38221I$	0
$b = -1.58589 + 1.35845I$		
$u = -0.619945 + 0.317199I$		
$a = 0.53019 - 1.60674I$	$-0.84283 - 5.16860I$	$1.77998 + 6.94898I$
$b = 0.658299 - 0.081366I$		
$u = -0.619945 - 0.317199I$		
$a = 0.53019 + 1.60674I$	$-0.84283 + 5.16860I$	$1.77998 - 6.94898I$
$b = 0.658299 + 0.081366I$		
$u = -0.664883 + 0.102386I$		
$a = -1.170250 + 0.773392I$	$1.72799 - 0.42864I$	$6.50290 - 0.62963I$
$b = -0.144321 - 0.070324I$		
$u = -0.664883 - 0.102386I$		
$a = -1.170250 - 0.773392I$	$1.72799 + 0.42864I$	$6.50290 + 0.62963I$
$b = -0.144321 + 0.070324I$		
$u = -0.082869 + 1.329720I$		
$a = 0.019279 + 1.184640I$	$-4.92247 - 2.18904I$	0
$b = 0.42102 - 1.92368I$		
$u = -0.082869 - 1.329720I$		
$a = 0.019279 - 1.184640I$	$-4.92247 + 2.18904I$	0
$b = 0.42102 + 1.92368I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.600593 + 0.259671I$		
$a = 0.91292 + 2.31668I$	$1.11308 + 3.77623I$	$3.53850 - 8.28052I$
$b = -0.406450 - 0.377479I$		
$u = 0.600593 - 0.259671I$		
$a = 0.91292 - 2.31668I$	$1.11308 - 3.77623I$	$3.53850 + 8.28052I$
$b = -0.406450 + 0.377479I$		
$u = -0.259122 + 1.329370I$		
$a = -0.933554 - 0.063987I$	$-2.78162 - 3.76575I$	0
$b = 1.58037 + 0.14438I$		
$u = -0.259122 - 1.329370I$		
$a = -0.933554 + 0.063987I$	$-2.78162 + 3.76575I$	0
$b = 1.58037 - 0.14438I$		
$u = -0.592120 + 0.224814I$		
$a = -0.69623 + 1.29343I$	$1.38695 - 0.99326I$	$6.93338 + 2.70050I$
$b = -0.391449 + 0.069510I$		
$u = -0.592120 - 0.224814I$		
$a = -0.69623 - 1.29343I$	$1.38695 + 0.99326I$	$6.93338 - 2.70050I$
$b = -0.391449 - 0.069510I$		
$u = -0.449959 + 0.389908I$		
$a = 0.250099 - 1.181500I$	$-1.42932 + 1.81815I$	$-0.185423 + 0.070708I$
$b = 0.500682 - 0.586321I$		
$u = -0.449959 - 0.389908I$		
$a = 0.250099 + 1.181500I$	$-1.42932 - 1.81815I$	$-0.185423 - 0.070708I$
$b = 0.500682 + 0.586321I$		
$u = -0.226982 + 1.394010I$		
$a = -1.153900 + 0.797633I$	$-3.79975 - 3.98351I$	0
$b = 1.89226 - 1.16346I$		
$u = -0.226982 - 1.394010I$		
$a = -1.153900 - 0.797633I$	$-3.79975 + 3.98351I$	0
$b = 1.89226 + 1.16346I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.20854 + 1.39910I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = -1.022540 - 0.095130I$	$-4.62918 + 1.44235I$	0
$b = 2.59444 + 1.05724I$		
$u = 0.20854 - 1.39910I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = -1.022540 + 0.095130I$	$-4.62918 - 1.44235I$	0
$b = 2.59444 - 1.05724I$		
$u = 0.23406 + 1.40484I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 1.162710 + 0.633487I$	$-4.22111 + 6.84171I$	0
$b = -2.56792 - 1.98653I$		
$u = 0.23406 - 1.40484I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 1.162710 - 0.633487I$	$-4.22111 - 6.84171I$	0
$b = -2.56792 + 1.98653I$		
$u = -0.18905 + 1.42427I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 0.98672 - 1.33216I$	$-7.17316 - 0.63151I$	0
$b = -1.67530 + 1.89832I$		
$u = -0.18905 - 1.42427I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 0.98672 + 1.33216I$	$-7.17316 + 0.63151I$	0
$b = -1.67530 - 1.89832I$		
$u = 0.511462 + 0.222716I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = -1.82560 - 1.87884I$	$0.617090 - 1.254920I$	$0.39440 - 2.97018I$
$b = 0.636732 + 0.407279I$		
$u = 0.511462 - 0.222716I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = -1.82560 + 1.87884I$	$0.617090 + 1.254920I$	$0.39440 + 2.97018I$
$b = 0.636732 - 0.407279I$		
$u = -0.24055 + 1.42343I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 1.51122 - 0.99157I$	$-6.41876 - 8.33142I$	0
$b = -2.38619 + 1.44111I$		
$u = -0.24055 - 1.42343I$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	
$a = 1.51122 + 0.99157I$	$-6.41876 + 8.33142I$	0
$b = -2.38619 - 1.44111I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.27335 + 1.43352I$	$-6.81464 + 9.64252I$	0
$a = 0.93968 + 1.54462I$		
$b = -1.82680 - 3.22208I$		
$u = 0.27335 - 1.43352I$	$-6.81464 - 9.64252I$	0
$a = 0.93968 - 1.54462I$		
$b = -1.82680 + 3.22208I$		
$u = 0.13955 + 1.45581I$	$-8.74276 - 0.11604I$	0
$a = 0.374359 + 0.392616I$		
$b = 0.375841 - 0.169773I$		
$u = 0.13955 - 1.45581I$	$-8.74276 + 0.11604I$	0
$a = 0.374359 - 0.392616I$		
$b = 0.375841 + 0.169773I$		
$u = 0.28510 + 1.43978I$	$-9.4393 + 14.9162I$	0
$a = -0.92380 - 1.78639I$		
$b = 1.70565 + 3.54725I$		
$u = 0.28510 - 1.43978I$	$-9.4393 - 14.9162I$	0
$a = -0.92380 + 1.78639I$		
$b = 1.70565 - 3.54725I$		
$u = 0.25765 + 1.45108I$	$-11.74310 + 6.28318I$	0
$a = -0.52150 - 1.40966I$		
$b = 1.29040 + 2.86879I$		
$u = 0.25765 - 1.45108I$	$-11.74310 - 6.28318I$	0
$a = -0.52150 + 1.40966I$		
$b = 1.29040 - 2.86879I$		
$u = 0.12283 + 1.47595I$	$-11.78020 - 5.04358I$	0
$a = -0.686055 - 0.523479I$		
$b = 0.129256 + 0.402174I$		
$u = 0.12283 - 1.47595I$	$-11.78020 + 5.04358I$	0
$a = -0.686055 + 0.523479I$		
$b = 0.129256 - 0.402174I$		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.16758 + 1.47356I$		
$a = -0.473637 + 0.079429I$	$-13.05130 + 3.75910I$	0
$b = -0.152957 - 0.582701I$		
$u = 0.16758 - 1.47356I$		
$a = -0.473637 - 0.079429I$	$-13.05130 - 3.75910I$	0
$b = -0.152957 + 0.582701I$		
$u = -0.041522 + 0.342357I$		
$a = -1.174420 + 0.757126I$	$-0.108314 - 1.390220I$	$-0.08539 + 5.01290I$
$b = 0.274979 + 0.620859I$		
$u = -0.041522 - 0.342357I$		
$a = -1.174420 - 0.757126I$	$-0.108314 + 1.390220I$	$-0.08539 - 5.01290I$
$b = 0.274979 - 0.620859I$		

II.

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

(i) **Arc colorings**

$$a_7 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_3 = \begin{pmatrix} a \\ u^2a + au \end{pmatrix}$$

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

$$a_5 = \begin{pmatrix} -u^2 + a - u - 1 \\ u^2a + au + u^2 + u + 1 \end{pmatrix}$$

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

$$a_8 = \begin{pmatrix} u^2 + 1 \\ -u^2 \end{pmatrix}$$

$$a_4 = \begin{pmatrix} a \\ u^2a + au \end{pmatrix}$$

$$a_9 = \begin{pmatrix} u^2 + 1 \\ -u^2 \end{pmatrix}$$

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

$$a_2 = \begin{pmatrix} au + a \\ -au - a \end{pmatrix}$$

$$a_2 = \begin{pmatrix} au + a \\ -au - a \end{pmatrix}$$

(ii) **Obstruction class = 1**

(iii) **Cusp Shapes** = $-u^2a - 4au + 3u^2 + a + 3u + 4$

(iv) u-Polynomials at the component

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

(v) Riley Polynomials at the component

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

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.215080 + 1.307140I$		
$a = 0.706350 + 0.266290I$	$-3.02413 - 4.85801I$	$-1.45566 + 6.64456I$
$b = -1.52448 + 0.02619I$		
$u = -0.215080 + 1.307140I$		
$a = -0.583789 + 0.478572I$	$-3.02413 - 0.79824I$	$2.09851 - 0.12339I$
$b = 0.73956 - 1.33333I$		
$u = -0.215080 - 1.307140I$		
$a = 0.706350 - 0.266290I$	$-3.02413 + 4.85801I$	$-1.45566 - 6.64456I$
$b = -1.52448 - 0.02619I$		
$u = -0.215080 - 1.307140I$		
$a = -0.583789 - 0.478572I$	$-3.02413 + 0.79824I$	$2.09851 + 0.12339I$
$b = 0.73956 + 1.33333I$		
$u = -0.569840$		
$a = 0.87744 + 1.51977I$	$1.11345 - 2.02988I$	$5.85715 + 4.49037I$
$b = -0.215080 - 0.372529I$		
$u = -0.569840$		
$a = 0.87744 - 1.51977I$	$1.11345 + 2.02988I$	$5.85715 - 4.49037I$
$b = -0.215080 + 0.372529I$		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$((u^2 + u + 1)^3)(u^{64} + 4u^{63} + \dots + 4u + 1)$
c_2	$((u^2 + u + 1)^3)(u^{64} + 32u^{63} + \dots + 4u + 1)$
c_3, c_8	$u^6(u^{64} - u^{63} + \dots + 32u + 64)$
c_4	$((u^2 - u + 1)^3)(u^{64} + 4u^{63} + \dots + 4u + 1)$
c_5	$((u^2 + u + 1)^3)(u^{64} - 4u^{63} + \dots + 393u + 306)$
c_6, c_7	$((u^3 + u^2 + 2u + 1)^2)(u^{64} + 3u^{63} + \dots + 3u + 1)$
c_9	$((u^3 + u^2 - 1)^2)(u^{64} - 3u^{63} + \dots + 139u + 34)$
c_{10}	$((u^3 - u^2 + 2u - 1)^2)(u^{64} + 3u^{63} + \dots + 3u + 1)$
c_{11}	$((u^3 + u^2 - 1)^2)(u^{64} + 13u^{63} + \dots + 9803u + 563)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1, c_4	$((y^2 + y + 1)^3)(y^{64} + 32y^{63} + \dots + 4y + 1)$
c_2	$((y^2 + y + 1)^3)(y^{64} + 4y^{63} + \dots + 32y + 1)$
c_3, c_8	$y^6(y^{64} - 35y^{63} + \dots - 62464y + 4096)$
c_5	$((y^2 + y + 1)^3)(y^{64} - 24y^{63} + \dots - 628749y + 93636)$
c_6, c_7, c_{10}	$((y^3 + 3y^2 + 2y - 1)^2)(y^{64} + 59y^{63} + \dots + 9y + 1)$
c_9	$((y^3 - y^2 + 2y - 1)^2)(y^{64} + 7y^{63} + \dots + 48679y + 1156)$
c_{11}	$((y^3 - y^2 + 2y - 1)^2)(y^{64} + 27y^{63} + \dots - 7846307y + 316969)$