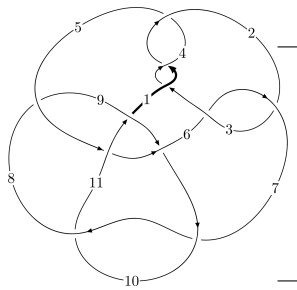
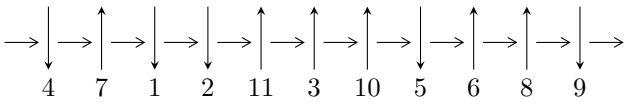
$11a_{251}$ $(K11a_{251})$



A knot diagram[1]

Linearized knot diagam



Solving Sequence

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

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

$I_1^u = \langle -5.68810 \times 10^{156} u^{70} + 1.55856 \times 10^{157} u^{69} + \cdots + 7.93791 \times 10^{157} b + 3.59478 \times 10^{157},$
$5.59936 \times 10^{157} u^{70} - 8.12165 \times 10^{157} u^{69} + \cdots + 7.93791 \times 10^{157} a - 4.78496 \times 10^{158},\ u^{71} - 2u^{70} + \cdots - 10u$
$I_2^u = \langle b,\ -u^4 + 2u^3 + u^2 + a - 2u - 1,\ u^5 - u^4 - 2u^3 + u^2 + u + 1 \rangle$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 76 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. $\boldsymbol{I_1^u = \langle -5.69 \times 10^{156} u^{70} + 1.56 \times 10^{157} u^{69} + \cdots + 7.94 \times 10^{157} b + 3.59 \times 10^{157},\ 5.60 \times 10^{157} u^{70} - 8.12 \times 10^{157} u^{69} + \cdots + 7.94 \times 10^{157} a - 4.78 \times 10^{158},\ u^{71} - 2u^{70} + \cdots - 10u + 1 \rangle}$

(i) Arc colorings

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

$$a_{10} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

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

$$a_3 = \begin{pmatrix} -0.705395u^{70} + 1.02315u^{69} + \cdots - 20.4760u + 6.02799 \\ 0.0716575u^{70} - 0.196344u^{69} + \cdots + 0.865234u - 0.452863 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} u \\ -u^3 + u \end{pmatrix}$$

$$a_2 = \begin{pmatrix} -0.777052u^{70} + 1.21949u^{69} + \cdots - 21.3412u + 6.48085 \\ 0.0716575u^{70} - 0.196344u^{69} + \cdots + 0.865234u - 0.452863 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} 0.821521u^{70} - 0.920115u^{69} + \cdots + 15.4811u - 2.91710 \\ -0.201387u^{70} + 0.381284u^{69} + \cdots - 10.7628u + 1.69056 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} 0.801915u^{70} - 0.815848u^{69} + \cdots + 16.3688u - 3.09726 \\ -0.209903u^{70} + 0.426666u^{69} + \cdots - 10.5453u + 1.57546 \end{pmatrix}$$

$$a_4 = \begin{pmatrix} -0.451816u^{70} + 0.954485u^{69} + \cdots - 17.7677u + 5.06906 \\ -0.0186479u^{70} + 0.0169092u^{69} + \cdots - 2.19688u + 0.0640132 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} -0.725017u^{70} + 1.65402u^{69} + \cdots + 4.00112u - 2.27250 \\ 0.271778u^{70} - 0.315974u^{69} + \cdots + 9.57483u - 0.629811 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} 0.0982857u^{70} - 0.0430280u^{69} + \cdots + 3.63403u - 1.21756 \\ 0.0186479u^{70} - 0.0169092u^{69} + \cdots + 2.19688u - 0.0640132 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} 0.0982857u^{70} - 0.0430280u^{69} + \cdots + 3.63403u - 1.21756 \\ 0.0186479u^{70} - 0.0169092u^{69} + \cdots + 2.19688u - 0.0640132 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= -3.02243u^{70} + 6.21438u^{69} + \cdots + 39.3412u - 7.45678$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_3, c_4	$u^{71} - 6u^{70} + \cdots + 8u - 1$
c_2, c_6	$u^{71} - u^{70} + \cdots + 160u - 32$
c_5	$u^{71} + 6u^{70} + \cdots + 2u + 1$
c_7, c_{10}	$u^{71} + 2u^{70} + \cdots - 10u - 1$
c_8	$u^{71} + 2u^{70} + \cdots - 26u - 71$
c_9	$u^{71} - 2u^{70} + \cdots + 1044u + 216$
c_{11}	$u^{71} - 12u^{70} + \cdots + 2u - 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_3, c_4	$y^{71} - 64y^{70} + \cdots + 192y - 1$
c_2, c_6	$y^{71} + 33y^{70} + \cdots - 4608y - 1024$
c_5	$y^{71} - 12y^{70} + \cdots + 6y - 1$
c_7, c_{10}	$y^{71} - 48y^{70} + \cdots + 10y - 1$
c_8	$y^{71} + 72y^{70} + \cdots - 272958y - 5041$
c_9	$y^{71} + 48y^{70} + \cdots + 5221584y - 46656$
c_{11}	$y^{71} + 60y^{69} + \cdots + 10y - 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.958690+0.052610I$ $a=\ \ 1.12357+3.37661I$ $b=-0.753769-0.149844I$	$-0.821815-0.287086I$	$15.6399-24.5037I$
$u=-0.958690-0.052610I$ $a=\ \ 1.12357-3.37661I$ $b=-0.753769+0.149844I$	$-0.821815+0.287086I$	$15.6399+24.5037I$
$u=-1.039170+0.068699I$ $a=-3.61770+0.29771I$ $b=\ \ 0.418183-0.830193I$	$1.53422-1.77853I$	0
$u=-1.039170-0.068699I$ $a=-3.61770-0.29771I$ $b=\ \ 0.418183+0.830193I$	$1.53422+1.77853I$	0
$u=\ \ 0.936141+0.181892I$ $a=-0.083967+0.975080I$ $b=-0.091987+1.395920I$	$-0.50220+3.12016I$	$-4.96274-11.92067I$
$u=\ \ 0.936141-0.181892I$ $a=-0.083967-0.975080I$ $b=-0.091987-1.395920I$	$-0.50220-3.12016I$	$-4.96274+11.92067I$
$u=\ \ 0.090337+1.044210I$ $a=-0.026334+0.752549I$ $b=\ \ 1.049030+0.353850I$	$-3.94869-4.27443I$	0
$u=\ \ 0.090337-1.044210I$ $a=-0.026334-0.752549I$ $b=\ \ 1.049030-0.353850I$	$-3.94869+4.27443I$	0
$u=\ \ 1.044140+0.187508I$ $a=-0.935314+0.664478I$ $b=\ \ 0.78926+1.18254I$	$1.70771+3.92061I$	0
$u=\ \ 1.044140-0.187508I$ $a=-0.935314-0.664478I$ $b=\ \ 0.78926-1.18254I$	$1.70771-3.92061I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.551309 + 0.934929I$ $a = -0.81004 + 1.24306I$ $b = 0.116001 + 1.363920I$	$-10.36010 - 0.43943I$	0
$u = 0.551309 - 0.934929I$ $a = -0.81004 - 1.24306I$ $b = 0.116001 - 1.363920I$	$-10.36010 + 0.43943I$	0
$u = 0.117174 + 0.888965I$ $a = 0.42606 - 1.98602I$ $b = 0.182154 - 0.954080I$	$-2.76633 - 1.81907I$	$-5.04908 + 2.94377I$
$u = 0.117174 - 0.888965I$ $a = 0.42606 + 1.98602I$ $b = 0.182154 + 0.954080I$	$-2.76633 + 1.81907I$	$-5.04908 - 2.94377I$
$u = -0.238708 + 0.856602I$ $a = -0.033528 - 0.750003I$ $b = -0.555330 - 0.426705I$	$0.63691 - 2.06340I$	$4.30464 + 4.04645I$
$u = -0.238708 - 0.856602I$ $a = -0.033528 + 0.750003I$ $b = -0.555330 + 0.426705I$	$0.63691 + 2.06340I$	$4.30464 - 4.04645I$
$u = 0.871168 + 0.127070I$ $a = 0.768608 - 0.123027I$ $b = -1.078050 + 0.845687I$	$-1.94802 + 1.61598I$	$-10.03099 - 8.04874I$
$u = 0.871168 - 0.127070I$ $a = 0.768608 + 0.123027I$ $b = -1.078050 - 0.845687I$	$-1.94802 - 1.61598I$	$-10.03099 + 8.04874I$
$u = -1.111760 + 0.154509I$ $a = 2.52899 - 0.19796I$ $b = -0.497375 + 1.156290I$	$-3.73969 - 4.87336I$	0
$u = -1.111760 - 0.154509I$ $a = 2.52899 + 0.19796I$ $b = -0.497375 - 1.156290I$	$-3.73969 + 4.87336I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = \ 0.968505 + 0.574658I$ $a = \ 0.556618 - 1.072570I$ $b = -0.15556 - 1.52316I$	$-8.97886 + 5.87062I$	0
$u = \ 0.968505 - 0.574658I$ $a = \ 0.556618 + 1.072570I$ $b = -0.15556 + 1.52316I$	$-8.97886 - 5.87062I$	0
$u = \ 0.016654 + 1.134760I$ $a = \ 0.01069 + 1.54493I$ $b = -0.504028 + 1.050930I$	$-1.17091 - 6.36314I$	0
$u = \ 0.016654 - 1.134760I$ $a = \ 0.01069 - 1.54493I$ $b = -0.504028 - 1.050930I$	$-1.17091 + 6.36314I$	0
$u = -1.16582$ $a = \ 0.452000$ $b = \ 0.259845$	2.31401	0
$u = \ 0.827970$ $a = \ 0.602565$ $b = -1.45559$	-2.44443	-13.2680
$u = -0.795879 + 0.090569I$ $a = \ 1.76698 - 2.15625I$ $b = \ 0.158109 - 0.674265I$	$0.733207 - 1.164170I$	$5.75824 + 3.22185I$
$u = -0.795879 - 0.090569I$ $a = \ 1.76698 + 2.15625I$ $b = \ 0.158109 + 0.674265I$	$0.733207 + 1.164170I$	$5.75824 - 3.22185I$
$u = \ 1.152090 + 0.338633I$ $a = \ 1.033990 - 0.728304I$ $b = -0.82605 - 1.20952I$	$-3.47932 + 8.87997I$	0
$u = \ 1.152090 - 0.338633I$ $a = \ 1.033990 + 0.728304I$ $b = -0.82605 + 1.20952I$	$-3.47932 - 8.87997I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.716396+0.338710I$ $a=-1.82350-1.16977I$ $b=-0.371326-1.151650I$	$-4.63878+3.29846I$	$-3.31669-7.32300I$
$u=-0.716396-0.338710I$ $a=-1.82350+1.16977I$ $b=-0.371326+1.151650I$	$-4.63878-3.29846I$	$-3.31669+7.32300I$
$u=1.222350+0.171009I$ $a=-0.244405+0.071523I$ $b=0.967998+0.212799I$	$4.87893+2.71275I$	0
$u=1.222350-0.171009I$ $a=-0.244405-0.071523I$ $b=0.967998-0.212799I$	$4.87893-2.71275I$	0
$u=-1.247410+0.331147I$ $a=-1.29926-2.06002I$ $b=0.422840-0.530363I$	$1.050550-0.525213I$	0
$u=-1.247410-0.331147I$ $a=-1.29926+2.06002I$ $b=0.422840+0.530363I$	$1.050550+0.525213I$	0
$u=0.051066+1.301090I$ $a=0.022365-1.283720I$ $b=0.640749-1.227980I$	$-6.73040-10.34400I$	0
$u=0.051066-1.301090I$ $a=0.022365+1.283720I$ $b=0.640749+1.227980I$	$-6.73040+10.34400I$	0
$u=-0.703062+1.112770I$ $a=0.146447+0.850843I$ $b=0.300612+1.059860I$	$-3.63710-0.29930I$	0
$u=-0.703062-1.112770I$ $a=0.146447-0.850843I$ $b=0.300612-1.059860I$	$-3.63710+0.29930I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.215620+0.579320I$ $a=-0.551017+0.353859I$ $b=\ \ 0.782344+0.411126I$	$0.57965-2.48080I$	0
$u=-1.215620-0.579320I$ $a=-0.551017-0.353859I$ $b=\ \ 0.782344-0.411126I$	$0.57965+2.48080I$	0
$u=\ \ 1.267920+0.491162I$ $a=-0.82403+1.37930I$ $b=\ \ 0.434959+1.171370I$	$0.83262+6.84654I$	0
$u=\ \ 1.267920-0.491162I$ $a=-0.82403-1.37930I$ $b=\ \ 0.434959-1.171370I$	$0.83262-6.84654I$	0
$u=\ \ 1.331280+0.393498I$ $a=\ \ 0.104491-0.201021I$ $b=-0.919240+0.397727I$	$5.39522+6.50016I$	0
$u=\ \ 1.331280-0.393498I$ $a=\ \ 0.104491+0.201021I$ $b=-0.919240-0.397727I$	$5.39522-6.50016I$	0
$u=\ \ 1.303720+0.536688I$ $a=-0.094492+0.280375I$ $b=\ \ 1.204060-0.543396I$	$-0.14862+9.86900I$	0
$u=\ \ 1.303720-0.536688I$ $a=-0.094492-0.280375I$ $b=\ \ 1.204060+0.543396I$	$-0.14862-9.86900I$	0
$u=\ \ 1.35249+0.54752I$ $a=\ \ 0.99301-1.24253I$ $b=-0.639775-1.172900I$	$3.01535+12.24190I$	0
$u=\ \ 1.35249-0.54752I$ $a=\ \ 0.99301+1.24253I$ $b=-0.639775+1.172900I$	$3.01535-12.24190I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.085901 + 0.499257I$ $a = -1.14561 + 1.25252I$ $b = -0.563000 + 1.270970I$	$-6.53398 - 5.54394I$	$-4.50504 + 1.63762I$
$u = 0.085901 - 0.499257I$ $a = -1.14561 - 1.25252I$ $b = -0.563000 - 1.270970I$	$-6.53398 + 5.54394I$	$-4.50504 - 1.63762I$
$u = -1.34861 + 0.66108I$ $a = 0.80494 + 1.17952I$ $b = -0.542577 + 0.884808I$	$3.42139 - 4.04641I$	0
$u = -1.34861 - 0.66108I$ $a = 0.80494 - 1.17952I$ $b = -0.542577 - 0.884808I$	$3.42139 + 4.04641I$	0
$u = 1.49354 + 0.21546I$ $a = 0.0543163 + 0.1174420I$ $b = 0.040910 - 0.635562I$	$3.76322 + 4.31820I$	0
$u = 1.49354 - 0.21546I$ $a = 0.0543163 - 0.1174420I$ $b = 0.040910 + 0.635562I$	$3.76322 - 4.31820I$	0
$u = 1.39546 + 0.60916I$ $a = -1.01075 + 1.10984I$ $b = 0.77537 + 1.24885I$	$-2.4732 + 16.9235I$	0
$u = 1.39546 - 0.60916I$ $a = -1.01075 - 1.10984I$ $b = 0.77537 - 1.24885I$	$-2.4732 - 16.9235I$	0
$u = -1.48233 + 0.37826I$ $a = 0.217114 - 0.286842I$ $b = -0.550290 - 0.713216I$	$3.94019 + 0.36090I$	0
$u = -1.48233 - 0.37826I$ $a = 0.217114 + 0.286842I$ $b = -0.550290 + 0.713216I$	$3.94019 - 0.36090I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.366011+0.204704I$ $a=\ 1.88485-0.59402I$ $b=\ 0.363096-0.475061I$	$0.638942-1.236310I$	$4.36186+4.95807I$
$u=-0.366011-0.204704I$ $a=\ 1.88485+0.59402I$ $b=\ 0.363096+0.475061I$	$0.638942+1.236310I$	$4.36186-4.95807I$
$u=-1.41055+0.85382I$ $a=-0.682852-0.955217I$ $b=\ 0.572860-1.122140I$	$-1.60491-7.59190I$	0
$u=-1.41055-0.85382I$ $a=-0.682852+0.955217I$ $b=\ 0.572860+1.122140I$	$-1.60491+7.59190I$	0
$u=\ 0.146576+0.246793I$ $a=\ 3.86257-1.93742I$ $b=-0.384908-0.642002I$	$-2.06670-0.96031I$	$-7.01026-0.44637I$
$u=\ 0.146576-0.246793I$ $a=\ 3.86257+1.93742I$ $b=-0.384908+0.642002I$	$-2.06670+0.96031I$	$-7.01026+0.44637I$
$u=-1.73227+0.32166I$ $a=-0.133229+0.168591I$ $b=\ 0.470368+1.055660I$	$-0.67110+3.32518I$	0
$u=-1.73227-0.32166I$ $a=-0.133229-0.168591I$ $b=\ 0.470368-1.055660I$	$-0.67110-3.32518I$	0
$u=\ 0.057931+0.208385I$ $a=\ 2.79535-0.71729I$ $b=\ 0.342943-0.988238I$	$-0.62570-2.03170I$	$-1.27918+2.72742I$
$u=\ 0.057931-0.208385I$ $a=\ 2.79535+0.71729I$ $b=\ 0.342943+0.988238I$	$-0.62570+2.03170I$	$-1.27918-2.72742I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = \quad 0.159227$		
$a = \quad 4.37555$	-2.81001	-3.04700
$b = -1.00143$		

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

(i) Arc colorings

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

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= -3u^4-u^3+2u^2+10u+5$

(iv) u-Polynomials at the component

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

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_3, c_4	$(y-1)^5$
c_2, c_6	y^5
c_5	$y^5 - y^4 + 8y^3 - 3y^2 + 3y - 1$
c_7, c_9, c_{10}	$y^5 - 5y^4 + 8y^3 - 3y^2 - y - 1$
c_8, c_{11}	$y^5 + 3y^4 + 4y^3 + y^2 - y - 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.21774$ $a=\ 2.89210$ $b=\ 0$	0.756147	-9.00270
$u=-0.309916+0.549911I$ $a=\ 0.01014+1.59703I$ $b=\ 0$	$-1.31583-1.53058I$	$1.45754+4.40323I$
$u=-0.309916-0.549911I$ $a=\ 0.01014-1.59703I$ $b=\ 0$	$-1.31583+1.53058I$	$1.45754-4.40323I$
$u=\ 1.41878+0.21917I$ $a=\ 0.043806-0.365575I$ $b=\ 0$	$4.22763+4.40083I$	$10.04378-5.20937I$
$u=\ 1.41878-0.21917I$ $a=\ 0.043806+0.365575I$ $b=\ 0$	$4.22763-4.40083I$	$10.04378+5.20937I$

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$((u-1)^5)(u^{71}-6u^{70}+\cdots+8u-1)$
c_2, c_6	$u^5(u^{71}-u^{70}+\cdots+160u-32)$
c_3, c_4	$((u+1)^5)(u^{71}-6u^{70}+\cdots+8u-1)$
c_5	$(u^5+3u^4+4u^3+u^2-u-1)(u^{71}+6u^{70}+\cdots+2u+1)$
c_7	$(u^5-u^4-2u^3+u^2+u+1)(u^{71}+2u^{70}+\cdots-10u-1)$
c_8	$(u^5-u^4+2u^3-u^2+u-1)(u^{71}+2u^{70}+\cdots-26u-71)$
c_9	$(u^5+u^4-2u^3-u^2+u-1)(u^{71}-2u^{70}+\cdots+1044u+216)$
c_{10}	$(u^5+u^4-2u^3-u^2+u-1)(u^{71}+2u^{70}+\cdots-10u-1)$
c_{11}	$(u^5-u^4+2u^3-u^2+u-1)(u^{71}-12u^{70}+\cdots+2u-1)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1, c_3, c_4	$((y-1)^5)(y^{71} - 64y^{70} + \cdots + 192y - 1)$
c_2, c_6	$y^5(y^{71} + 33y^{70} + \cdots - 4608y - 1024)$
c_5	$(y^5 - y^4 + 8y^3 - 3y^2 + 3y - 1)(y^{71} - 12y^{70} + \cdots + 6y - 1)$
c_7, c_{10}	$(y^5 - 5y^4 + 8y^3 - 3y^2 - y - 1)(y^{71} - 48y^{70} + \cdots + 10y - 1)$
c_8	$(y^5 + 3y^4 + 4y^3 + y^2 - y - 1)(y^{71} + 72y^{70} + \cdots - 272958y - 5041)$
c_9	$(y^5 - 5y^4 + 8y^3 - 3y^2 - y - 1)(y^{71} + 48y^{70} + \cdots + 5221584y - 46656)$
c_{11}	$(y^5 + 3y^4 + 4y^3 + y^2 - y - 1)(y^{71} + 60y^{69} + \cdots + 10y - 1)$