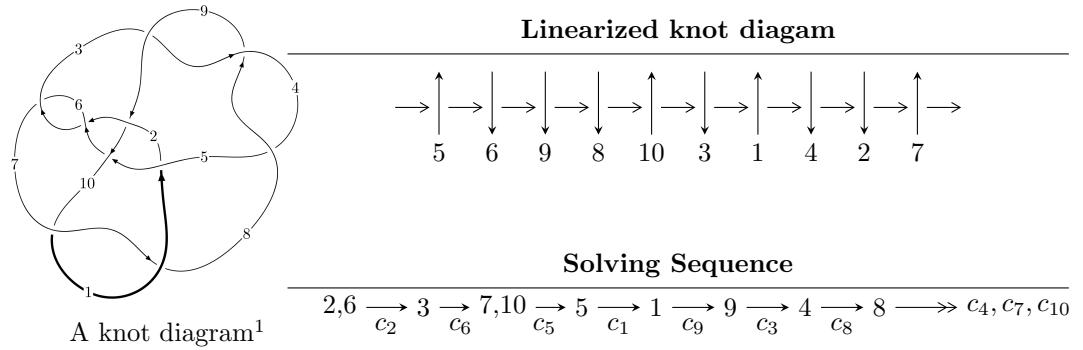


10₁₀₂ ($K10a_{97}$)



Ideals for irreducible components² of X_{par}

$$\begin{aligned} I_1^u = & \langle -2.25484 \times 10^{39} u^{42} + 2.20978 \times 10^{39} u^{41} + \dots + 2.97870 \times 10^{39} b - 1.19885 \times 10^{39}, \\ & -3.16887 \times 10^{39} u^{42} - 4.11086 \times 10^{36} u^{41} + \dots + 2.97870 \times 10^{39} a + 2.58687 \times 10^{40}, \\ & u^{43} - 12u^{41} + \dots - 7u - 1 \rangle \\ I_2^u = & \langle u^6 - 3u^4 - u^3 + 6u^2 + b - 3, -u^6 - u^5 + u^4 + 2u^3 - 2u^2 + a - u - 1, u^7 + u^6 - 2u^5 - 3u^4 + 3u^3 + 3u^2 - u \rangle \end{aligned}$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 50 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.

$$\mathbf{I. } I_1^u = \langle -2.25 \times 10^{39}u^{42} + 2.21 \times 10^{39}u^{41} + \dots + 2.98 \times 10^{39}b - 1.20 \times 10^{39}, -3.17 \times 10^{39}u^{42} - 4.11 \times 10^{36}u^{41} + \dots + 2.98 \times 10^{39}a + 2.59 \times 10^{40}, u^{43} - 12u^{41} + \dots - 7u - 1 \rangle$$

(i) **Arc colorings**

$$\begin{aligned} a_2 &= \begin{pmatrix} 1 \\ 0 \end{pmatrix} \\ a_6 &= \begin{pmatrix} 0 \\ u \end{pmatrix} \\ a_3 &= \begin{pmatrix} 1 \\ u^2 \end{pmatrix} \\ a_7 &= \begin{pmatrix} -u \\ -u^3 + u \end{pmatrix} \\ a_{10} &= \begin{pmatrix} 1.06384u^{42} + 0.00138009u^{41} + \dots - 8.11372u - 8.68458 \\ 0.756988u^{42} - 0.741862u^{41} + \dots - 0.408776u + 0.402477 \end{pmatrix} \\ a_5 &= \begin{pmatrix} -0.534324u^{42} - 0.672258u^{41} + \dots + 3.56812u + 10.8345 \\ -0.489904u^{42} + 0.404335u^{41} + \dots + 3.17936u - 0.269339 \end{pmatrix} \\ a_1 &= \begin{pmatrix} 1.67244u^{42} - 0.522788u^{41} + \dots - 8.92616u - 9.02482 \\ 0.644047u^{42} - 0.551896u^{41} + \dots - 2.65691u + 0.218556 \end{pmatrix} \\ a_9 &= \begin{pmatrix} 1.82083u^{42} - 0.740482u^{41} + \dots - 8.52249u - 8.28210 \\ 0.756988u^{42} - 0.741862u^{41} + \dots - 0.408776u + 0.402477 \end{pmatrix} \\ a_4 &= \begin{pmatrix} -0.891489u^{42} + 1.06089u^{41} + \dots + 7.38092u - 2.51083 \\ -0.892905u^{42} + 0.445547u^{41} + \dots + 7.63273u + 1.57813 \end{pmatrix} \\ a_8 &= \begin{pmatrix} 0.580848u^{42} + 1.18966u^{41} + \dots - 4.91202u - 10.4146 \\ -0.291565u^{42} + 0.524997u^{41} + \dots + 0.716241u + 0.694269 \end{pmatrix} \end{aligned}$$

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

(iii) **Cusp Shapes** = $3.56001u^{42} - 2.01639u^{41} + \dots - 29.9474u - 1.29868$

(iv) u-Polynomials at the component

| Crossings | u-Polynomials at each crossing |
|-----------------|---|
| c_1 | $u^{43} - 3u^{42} + \cdots - 1000u + 419$ |
| c_2, c_6 | $u^{43} - 12u^{41} + \cdots - 7u - 1$ |
| c_3, c_4, c_8 | $u^{43} + u^{42} + \cdots + 10u - 1$ |
| c_5 | $u^{43} + u^{42} + \cdots + 2u - 1$ |
| c_7, c_{10} | $u^{43} - 17u^{41} + \cdots + 85u - 19$ |
| c_9 | $u^{43} - 7u^{42} + \cdots + 18u - 1$ |

(v) Riley Polynomials at the component

| Crossings | Riley Polynomials at each crossing |
|-----------------|--|
| c_1 | $y^{43} - 17y^{42} + \cdots + 2566222y - 175561$ |
| c_2, c_6 | $y^{43} - 24y^{42} + \cdots + 29y - 1$ |
| c_3, c_4, c_8 | $y^{43} + 45y^{42} + \cdots + 28y - 1$ |
| c_5 | $y^{43} + y^{42} + \cdots + 8y - 1$ |
| c_7, c_{10} | $y^{43} - 34y^{42} + \cdots + 4299y - 361$ |
| c_9 | $y^{43} + y^{42} + \cdots + 68y - 1$ |

(vi) Complex Volumes and Cusp Shapes

| Solutions to I_1^u | $\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$ | Cusp shape |
|-----------------------------|---------------------------------------|-----------------------|
| $u = 0.179428 + 0.966528I$ | | |
| $a = -0.758038 + 0.845663I$ | $3.68686 + 3.98038I$ | $2.52488 - 5.84737I$ |
| $b = 0.655485 - 0.701109I$ | | |
| $u = 0.179428 - 0.966528I$ | | |
| $a = -0.758038 - 0.845663I$ | $3.68686 - 3.98038I$ | $2.52488 + 5.84737I$ |
| $b = 0.655485 + 0.701109I$ | | |
| $u = 0.873967 + 0.439410I$ | | |
| $a = -1.86520 - 0.23703I$ | $8.42806 - 4.73173I$ | $3.14920 + 6.15524I$ |
| $b = -0.248002 - 0.538074I$ | | |
| $u = 0.873967 - 0.439410I$ | | |
| $a = -1.86520 + 0.23703I$ | $8.42806 + 4.73173I$ | $3.14920 - 6.15524I$ |
| $b = -0.248002 + 0.538074I$ | | |
| $u = -0.894503 + 0.382311I$ | | |
| $a = 1.176590 + 0.347821I$ | $8.00794 - 0.59552I$ | $3.42142 - 0.64701I$ |
| $b = 1.61995 - 0.69095I$ | | |
| $u = -0.894503 - 0.382311I$ | | |
| $a = 1.176590 - 0.347821I$ | $8.00794 + 0.59552I$ | $3.42142 + 0.64701I$ |
| $b = 1.61995 + 0.69095I$ | | |
| $u = -0.937588 + 0.179486I$ | | |
| $a = -0.339877 - 1.370130I$ | $-1.78551 + 0.79823I$ | $-3.86305 + 0.92711I$ |
| $b = -0.908003 + 0.652924I$ | | |
| $u = -0.937588 - 0.179486I$ | | |
| $a = -0.339877 + 1.370130I$ | $-1.78551 - 0.79823I$ | $-3.86305 - 0.92711I$ |
| $b = -0.908003 - 0.652924I$ | | |
| $u = 1.005980 + 0.308159I$ | | |
| $a = -0.113439 + 0.394153I$ | $0.85124 - 2.72416I$ | $2.00505 + 5.61413I$ |
| $b = 0.524877 - 0.944675I$ | | |
| $u = 1.005980 - 0.308159I$ | | |
| $a = -0.113439 - 0.394153I$ | $0.85124 + 2.72416I$ | $2.00505 - 5.61413I$ |
| $b = 0.524877 + 0.944675I$ | | |

| Solutions to I_1^u | $\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$ | Cusp shape |
|-----------------------------|---------------------------------------|-----------------------|
| $u = 0.765516 + 0.410276I$ | | |
| $a = -0.11829 - 1.69787I$ | $8.79687 + 1.11797I$ | $3.28924 + 1.64001I$ |
| $b = -0.114903 + 1.388430I$ | | |
| $u = 0.765516 - 0.410276I$ | | |
| $a = -0.11829 + 1.69787I$ | $8.79687 - 1.11797I$ | $3.28924 - 1.64001I$ |
| $b = -0.114903 - 1.388430I$ | | |
| $u = -0.028174 + 0.866113I$ | | |
| $a = 0.809304 + 0.674158I$ | $6.04283 - 2.22576I$ | $2.85072 + 2.97682I$ |
| $b = -0.391438 - 1.141660I$ | | |
| $u = -0.028174 - 0.866113I$ | | |
| $a = 0.809304 - 0.674158I$ | $6.04283 + 2.22576I$ | $2.85072 - 2.97682I$ |
| $b = -0.391438 + 1.141660I$ | | |
| $u = -0.780496 + 0.342696I$ | | |
| $a = -0.346122 - 0.358729I$ | $8.42175 + 3.77684I$ | $3.65503 - 8.57155I$ |
| $b = 1.14579 + 1.89719I$ | | |
| $u = -0.780496 - 0.342696I$ | | |
| $a = -0.346122 + 0.358729I$ | $8.42175 - 3.77684I$ | $3.65503 + 8.57155I$ |
| $b = 1.14579 - 1.89719I$ | | |
| $u = -1.078720 + 0.416332I$ | | |
| $a = 0.42969 + 1.53300I$ | $0.60187 + 3.31941I$ | $1.55391 - 4.71171I$ |
| $b = 0.516989 - 0.937834I$ | | |
| $u = -1.078720 - 0.416332I$ | | |
| $a = 0.42969 - 1.53300I$ | $0.60187 - 3.31941I$ | $1.55391 + 4.71171I$ |
| $b = 0.516989 + 0.937834I$ | | |
| $u = 1.129000 + 0.367417I$ | | |
| $a = -0.365298 + 0.935642I$ | $-3.24498 - 4.34665I$ | $-5.96005 + 6.56486I$ |
| $b = -1.15401 - 0.92294I$ | | |
| $u = 1.129000 - 0.367417I$ | | |
| $a = -0.365298 - 0.935642I$ | $-3.24498 + 4.34665I$ | $-5.96005 - 6.56486I$ |
| $b = -1.15401 + 0.92294I$ | | |

| Solutions to I_1^u | $\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$ | Cusp shape |
|-----------------------------|---------------------------------------|-----------------------|
| $u = -1.191130 + 0.116555I$ | | |
| $a = 0.256373 + 0.200746I$ | $-1.93492 + 0.03968I$ | $-6.28529 + 0.84629I$ |
| $b = 0.664648 - 0.107180I$ | | |
| $u = -1.191130 - 0.116555I$ | | |
| $a = 0.256373 - 0.200746I$ | $-1.93492 - 0.03968I$ | $-6.28529 - 0.84629I$ |
| $b = 0.664648 + 0.107180I$ | | |
| $u = -0.378773 + 1.211200I$ | | |
| $a = -0.790261 - 0.487133I$ | $10.42570 - 7.06955I$ | $4.08198 + 5.07559I$ |
| $b = 0.729066 + 0.956751I$ | | |
| $u = -0.378773 - 1.211200I$ | | |
| $a = -0.790261 + 0.487133I$ | $10.42570 + 7.06955I$ | $4.08198 - 5.07559I$ |
| $b = 0.729066 - 0.956751I$ | | |
| $u = -1.213920 + 0.493820I$ | | |
| $a = -0.400742 - 0.782997I$ | $2.55744 + 7.03361I$ | $0. - 6.57917I$ |
| $b = -1.36620 + 1.30872I$ | | |
| $u = -1.213920 - 0.493820I$ | | |
| $a = -0.400742 + 0.782997I$ | $2.55744 - 7.03361I$ | $0. + 6.57917I$ |
| $b = -1.36620 - 1.30872I$ | | |
| $u = -1.137270 + 0.679680I$ | | |
| $a = 0.184669 - 0.702586I$ | $-1.44466 + 3.00552I$ | $0. - 9.20545I$ |
| $b = -0.708630 + 0.391631I$ | | |
| $u = -1.137270 - 0.679680I$ | | |
| $a = 0.184669 + 0.702586I$ | $-1.44466 - 3.00552I$ | $0. + 9.20545I$ |
| $b = -0.708630 - 0.391631I$ | | |
| $u = 1.158150 + 0.671841I$ | | |
| $a = 0.232978 - 0.277892I$ | $1.98226 - 3.31409I$ | 0 |
| $b = 0.750511 + 0.201961I$ | | |
| $u = 1.158150 - 0.671841I$ | | |
| $a = 0.232978 + 0.277892I$ | $1.98226 + 3.31409I$ | 0 |
| $b = 0.750511 - 0.201961I$ | | |

| Solutions to I_1^u | $\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$ | Cusp shape |
|-----------------------------|---------------------------------------|-----------------------|
| $u = 1.219040 + 0.557460I$ | | |
| $a = 0.372924 - 1.203390I$ | $0.51328 - 9.38930I$ | 0 |
| $b = 0.973714 + 1.002820I$ | | |
| $u = 1.219040 - 0.557460I$ | | |
| $a = 0.372924 + 1.203390I$ | $0.51328 + 9.38930I$ | 0 |
| $b = 0.973714 - 1.002820I$ | | |
| $u = -1.26281 + 0.69376I$ | | |
| $a = 0.265003 + 1.100870I$ | $7.5587 + 13.7273I$ | 0 |
| $b = 1.25438 - 1.17806I$ | | |
| $u = -1.26281 - 0.69376I$ | | |
| $a = 0.265003 - 1.100870I$ | $7.5587 - 13.7273I$ | 0 |
| $b = 1.25438 + 1.17806I$ | | |
| $u = 0.548716$ | | |
| $a = 2.07278$ | 2.69846 | 8.61990 |
| $b = 1.17742$ | | |
| $u = 1.41987 + 0.31511I$ | | |
| $a = 0.211755 + 0.472935I$ | $1.65782 - 2.65936I$ | 0 |
| $b = 0.172064 + 0.048798I$ | | |
| $u = 1.41987 - 0.31511I$ | | |
| $a = 0.211755 - 0.472935I$ | $1.65782 + 2.65936I$ | 0 |
| $b = 0.172064 - 0.048798I$ | | |
| $u = 1.14071 + 0.96754I$ | | |
| $a = 0.310323 + 0.683171I$ | $3.92762 - 3.88689I$ | 0 |
| $b = -1.152640 - 0.275297I$ | | |
| $u = 1.14071 - 0.96754I$ | | |
| $a = 0.310323 - 0.683171I$ | $3.92762 + 3.88689I$ | 0 |
| $b = -1.152640 + 0.275297I$ | | |
| $u = -0.018931 + 0.428931I$ | | |
| $a = 1.30275 - 0.64031I$ | $-0.163307 + 1.128420I$ | $-2.36544 - 5.85154I$ |
| $b = -0.458147 + 0.443775I$ | | |

| Solutions to I_1^u | $\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$ | Cusp shape |
|-----------------------------|---------------------------------------|-----------------------|
| $u = -0.018931 - 0.428931I$ | | |
| $a = 1.30275 + 0.64031I$ | $-0.163307 - 1.128420I$ | $-2.36544 + 5.85154I$ |
| $b = -0.458147 - 0.443775I$ | | |
| $u = -0.243711 + 0.078761I$ | | |
| $a = -5.49149 - 1.45816I$ | $2.85108 - 0.00109I$ | $4.91718 - 0.42732I$ |
| $b = 0.405795 + 0.070225I$ | | |
| $u = -0.243711 - 0.078761I$ | | |
| $a = -5.49149 + 1.45816I$ | $2.85108 + 0.00109I$ | $4.91718 + 0.42732I$ |
| $b = 0.405795 - 0.070225I$ | | |

$$\text{II. } I_2^u = \langle u^6 - 3u^4 - u^3 + 6u^2 + b - 3, -u^6 - u^5 + u^4 + 2u^3 - 2u^2 + a - u - 1, u^7 + u^6 - 2u^5 - 3u^4 + 3u^3 + 3u^2 - u - 1 \rangle$$

(i) **Arc colorings**

$$\begin{aligned} a_2 &= \begin{pmatrix} 1 \\ 0 \end{pmatrix} \\ a_6 &= \begin{pmatrix} 0 \\ u \end{pmatrix} \\ a_3 &= \begin{pmatrix} 1 \\ u^2 \end{pmatrix} \\ a_7 &= \begin{pmatrix} -u \\ -u^3 + u \end{pmatrix} \\ a_{10} &= \begin{pmatrix} u^6 + u^5 - u^4 - 2u^3 + 2u^2 + u + 1 \\ -u^6 + 3u^4 + u^3 - 6u^2 + 3 \end{pmatrix} \\ a_5 &= \begin{pmatrix} -2u^5 - 2u^4 + 3u^3 + 5u^2 - 4u - 3 \\ -u^6 - u^5 + 2u^4 + 3u^3 - 3u^2 - 2u + 1 \end{pmatrix} \\ a_1 &= \begin{pmatrix} u^6 + u^5 - u^4 - 2u^3 + 2u^2 + u + 2 \\ -u^6 + 3u^4 + u^3 - 5u^2 + 2 \end{pmatrix} \\ a_9 &= \begin{pmatrix} u^5 + 2u^4 - u^3 - 4u^2 + u + 4 \\ -u^6 + 3u^4 + u^3 - 6u^2 + 3 \end{pmatrix} \\ a_4 &= \begin{pmatrix} -4u^6 - 2u^5 + 8u^4 + 7u^3 - 14u^2 - 2u + 4 \\ -u^6 + 2u^4 + u^3 - 3u^2 + u \end{pmatrix} \\ a_8 &= \begin{pmatrix} 2u^6 + 3u^5 - 3u^4 - 7u^3 + 4u^2 + 7u - 1 \\ 2u^6 + u^5 - 4u^4 - 4u^3 + 7u^2 + 2u - 2 \end{pmatrix} \end{aligned}$$

(ii) **Obstruction class = 1**

(iii) **Cusp Shapes** = $-3u^6 - 5u^5 + 4u^4 + 10u^3 - 2u^2 - 11u - 3$

(iv) u-Polynomials at the component

| Crossings | u-Polynomials at each crossing |
|------------|---|
| c_1 | $u^7 + u^5 - u^4 + 2u^3 + 1$ |
| c_2 | $u^7 + u^6 - 2u^5 - 3u^4 + 3u^3 + 3u^2 - u - 1$ |
| c_3, c_4 | $u^7 + 4u^5 + 4u^3 + u^2 + 1$ |
| c_5 | $u^7 + 2u^4 - u^3 + u^2 + 1$ |
| c_6 | $u^7 - u^6 - 2u^5 + 3u^4 + 3u^3 - 3u^2 - u + 1$ |
| c_7 | $u^7 - u^6 - 3u^5 + 3u^4 + 3u^3 - 2u^2 - u + 1$ |
| c_8 | $u^7 + 4u^5 + 4u^3 - u^2 - 1$ |
| c_9 | $u^7 - 2u^4 + 2u^3 + u^2 - 2u + 1$ |
| c_{10} | $u^7 + u^6 - 3u^5 - 3u^4 + 3u^3 + 2u^2 - u - 1$ |

(v) Riley Polynomials at the component

| Crossings | Riley Polynomials at each crossing |
|-----------------|---|
| c_1 | $y^7 + 2y^6 + 5y^5 + 3y^4 + 4y^3 + 2y^2 - 1$ |
| c_2, c_6 | $y^7 - 5y^6 + 16y^5 - 29y^4 + 33y^3 - 21y^2 + 7y - 1$ |
| c_3, c_4, c_8 | $y^7 + 8y^6 + 24y^5 + 32y^4 + 16y^3 - y^2 - 2y - 1$ |
| c_5 | $y^7 - 2y^5 - 4y^4 - 3y^3 - 5y^2 - 2y - 1$ |
| c_7, c_{10} | $y^7 - 7y^6 + 21y^5 - 33y^4 + 29y^3 - 16y^2 + 5y - 1$ |
| c_9 | $y^7 + 4y^5 - 8y^4 + 8y^3 - 5y^2 + 2y - 1$ |

(vi) Complex Volumes and Cusp Shapes

| Solutions to I_2^u | $\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$ | Cusp shape |
|-----------------------------|---------------------------------------|-----------------------|
| $u = 1.060630 + 0.467862I$ | | |
| $a = 0.094535 + 0.998646I$ | $-1.05108 - 2.27150I$ | $-1.29108 + 1.27417I$ |
| $b = -0.498285 - 0.549564I$ | | |
| $u = 1.060630 - 0.467862I$ | | |
| $a = 0.094535 - 0.998646I$ | $-1.05108 + 2.27150I$ | $-1.29108 - 1.27417I$ |
| $b = -0.498285 + 0.549564I$ | | |
| $u = 0.719538$ | | |
| $a = 2.07355$ | 2.16696 | -8.53360 |
| $b = 0.931490$ | | |
| $u = -0.636439 + 0.197997I$ | | |
| $a = 1.36182 - 0.54122I$ | $8.25977 + 2.86772I$ | $1.82451 - 0.48406I$ |
| $b = 0.85369 + 1.27696I$ | | |
| $u = -0.636439 - 0.197997I$ | | |
| $a = 1.36182 + 0.54122I$ | $8.25977 - 2.86772I$ | $1.82451 + 0.48406I$ |
| $b = 0.85369 - 1.27696I$ | | |
| $u = -1.28396 + 0.82422I$ | | |
| $a = 0.006867 - 0.472371I$ | 1.57743 + 3.93356I | -3.26663 - 8.37973I |
| $b = -0.821146 + 0.390568I$ | | |
| $u = -1.28396 - 0.82422I$ | | |
| $a = 0.006867 + 0.472371I$ | 1.57743 - 3.93356I | -3.26663 + 8.37973I |
| $b = -0.821146 - 0.390568I$ | | |

III. u-Polynomials

| Crossings | u-Polynomials at each crossing |
|------------|--|
| c_1 | $(u^7 + u^5 - u^4 + 2u^3 + 1)(u^{43} - 3u^{42} + \dots - 1000u + 419)$ |
| c_2 | $(u^7 + u^6 + \dots - u - 1)(u^{43} - 12u^{41} + \dots - 7u - 1)$ |
| c_3, c_4 | $(u^7 + 4u^5 + 4u^3 + u^2 + 1)(u^{43} + u^{42} + \dots + 10u - 1)$ |
| c_5 | $(u^7 + 2u^4 - u^3 + u^2 + 1)(u^{43} + u^{42} + \dots + 2u - 1)$ |
| c_6 | $(u^7 - u^6 + \dots - u + 1)(u^{43} - 12u^{41} + \dots - 7u - 1)$ |
| c_7 | $(u^7 - u^6 + \dots - u + 1)(u^{43} - 17u^{41} + \dots + 85u - 19)$ |
| c_8 | $(u^7 + 4u^5 + 4u^3 - u^2 - 1)(u^{43} + u^{42} + \dots + 10u - 1)$ |
| c_9 | $(u^7 - 2u^4 + 2u^3 + u^2 - 2u + 1)(u^{43} - 7u^{42} + \dots + 18u - 1)$ |
| c_{10} | $(u^7 + u^6 + \dots - u - 1)(u^{43} - 17u^{41} + \dots + 85u - 19)$ |

IV. Riley Polynomials

| Crossings | Riley Polynomials at each crossing |
|-----------------|--|
| c_1 | $(y^7 + 2y^6 + 5y^5 + 3y^4 + 4y^3 + 2y^2 - 1)$ $\cdot (y^{43} - 17y^{42} + \dots + 2566222y - 175561)$ |
| c_2, c_6 | $(y^7 - 5y^6 + 16y^5 - 29y^4 + 33y^3 - 21y^2 + 7y - 1)$ $\cdot (y^{43} - 24y^{42} + \dots + 29y - 1)$ |
| c_3, c_4, c_8 | $(y^7 + 8y^6 + 24y^5 + 32y^4 + 16y^3 - y^2 - 2y - 1)$ $\cdot (y^{43} + 45y^{42} + \dots + 28y - 1)$ |
| c_5 | $(y^7 - 2y^5 + \dots - 2y - 1)(y^{43} + y^{42} + \dots + 8y - 1)$ |
| c_7, c_{10} | $(y^7 - 7y^6 + 21y^5 - 33y^4 + 29y^3 - 16y^2 + 5y - 1)$ $\cdot (y^{43} - 34y^{42} + \dots + 4299y - 361)$ |
| c_9 | $(y^7 + 4y^5 + \dots + 2y - 1)(y^{43} + y^{42} + \dots + 68y - 1)$ |