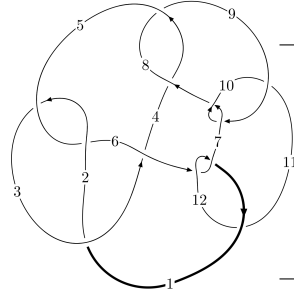
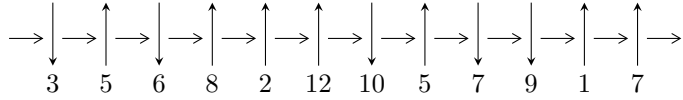


12n₀₀₅₇ (K12n₀₀₅₇)



A knot diagram¹

Linearized knot diagram



Solving Sequence

$$2,5 \xrightarrow{c_2} 3 \xrightarrow{c_5} 6,7,10 \xrightarrow{c_7} 8 \xrightarrow{c_1} 1 \xrightarrow{c_4} 4 \xrightarrow{c_9} 9 \xrightarrow{c_{12}} 12 \xrightarrow{c_{11}} 11 \longrightarrow c_3, c_6, c_8, c_{10}$$

Ideals for irreducible components² of X_{par}

$$I_1^u = \langle 769u^{16} - 3605u^{15} + \dots + 4864d - 844, 161u^{16} - 983u^{15} + \dots + 4864c + 3868, \\ 191u^{16} - 846u^{15} + \dots + 4864b + 776, 161u^{16} - 983u^{15} + \dots + 4864a + 3868, \\ u^{17} - 5u^{16} + \dots - 11u^2 + 4 \rangle$$

$$I_2^u = \langle d - u - 1, c, b - u - 1, a, u^2 + u + 1 \rangle$$

$$I_3^u = \langle d + 2u + 1, c + u, b - u, a - u, u^2 + u + 1 \rangle$$

$$I_4^u = \langle da + a^2 + au + a - 1, c + a, b - a - u - 1, u^2 + u + 1 \rangle$$

$$I_1^v = \langle a, d - 1, c + a - 1, b + 1, v - 1 \rangle$$

* 4 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 22 representations.

* 1 irreducible components of $\dim_{\mathbb{C}} = 1$

¹The 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>).

²All coefficients of polynomials are rational numbers. But the coefficients are sometimes approximated in decimal forms when there is not enough margin.

$$\mathbf{I. } I_1^u = \langle 769u^{16} - 3605u^{15} + \dots + 4864d - 844, 161u^{16} - 983u^{15} + \dots + 4864c + 3868, 191u^{16} - 846u^{15} + \dots + 4864b + 776, 161u^{16} - 983u^{15} + \dots + 4864a + 3868, u^{17} - 5u^{16} + \dots - 11u^2 + 4 \rangle$$

(i) Arc colorings

$$a_2 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_3 = \begin{pmatrix} 1 \\ -u^2 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} u \\ u \end{pmatrix}$$

$$a_7 = \begin{pmatrix} -0.0331003u^{16} + 0.202097u^{15} + \dots + 4.36842u - 0.795230 \\ -0.0392681u^{16} + 0.173931u^{15} + \dots + 1.37253u - 0.159539 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -0.0331003u^{16} + 0.202097u^{15} + \dots + 4.36842u - 0.795230 \\ -0.158100u^{16} + 0.741160u^{15} + \dots - 0.475329u + 0.173520 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} 0.0246711u^{16} - 0.0435855u^{15} + \dots + 4.48355u - 0.167763 \\ -0.125822u^{16} + 0.625411u^{15} + \dots - 0.166118u + 0.268092 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} u^2 + 1 \\ -u^4 \end{pmatrix}$$

$$a_4 = \begin{pmatrix} u^4 + u^2 + 1 \\ u^4 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} 0.0246711u^{16} - 0.0435855u^{15} + \dots + 4.48355u - 0.167763 \\ -0.164474u^{16} + 0.808799u^{15} + \dots - 0.0674342u + 0.587171 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 0.0764803u^{16} - 0.397615u^{15} + \dots - 2.61349u + 1.50493 \\ 0.0542763u^{16} - 0.265419u^{15} + \dots - 0.489309u + 0.0715461 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 0.0618832u^{16} - 0.294613u^{15} + \dots - 1.74178u + 1.47451 \\ 0.0807977u^{16} - 0.432977u^{15} + \dots - 0.311678u + 0.136513 \end{pmatrix}$$

(ii) Obstruction class = -1

$$\text{(iii) Cusp Shapes} = \frac{409}{1216}u^{16} - \frac{1133}{608}u^{15} + \dots - \frac{4283}{304}u - \frac{37}{152}$$

(iv) u-Polynomials at the component

| Crossings | u-Polynomials at each crossing |
|---------------|--------------------------------------------|
| c_1 | $u^{17} + 15u^{16} + \dots + 88u - 16$ |
| c_2, c_5 | $u^{17} + 5u^{16} + \dots + 11u^2 - 4$ |
| c_3 | $u^{17} - 14u^{16} + \dots + 6768u - 2592$ |
| c_4, c_8 | $u^{17} - u^{16} + \dots - 1024u - 512$ |
| c_6, c_{12} | $u^{17} + 8u^{16} + \dots - 8u - 16$ |
| c_7, c_9 | $u^{17} - 8u^{16} + \dots - 8u - 16$ |
| c_{10} | $u^{17} + 34u^{16} + \dots + 6176u + 256$ |
| c_{11} | $u^{17} + 6u^{16} + \dots + 32u - 256$ |

(v) Riley Polynomials at the component

| Crossings | Riley Polynomials at each crossing |
|---------------|---------------------------------------------------|
| c_1 | $y^{17} - 21y^{16} + \dots + 36640y - 256$ |
| c_2, c_5 | $y^{17} + 15y^{16} + \dots + 88y - 16$ |
| c_3 | $y^{17} - 66y^{16} + \dots + 36764928y - 6718464$ |
| c_4, c_8 | $y^{17} + 81y^{16} + \dots - 524288y - 262144$ |
| c_6, c_{12} | $y^{17} + 6y^{16} + \dots + 32y - 256$ |
| c_7, c_9 | $y^{17} - 34y^{16} + \dots + 6176y - 256$ |
| c_{10} | $y^{17} - 94y^{16} + \dots + 7397888y - 65536$ |
| c_{11} | $y^{17} + 66y^{16} + \dots + 2613760y - 65536$ |

(vi) Complex Volumes and Cusp Shapes

| Solutions to I_1^u | $\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$ | Cusp shape |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------|
| $u = -0.589168 + 0.828507I$ $a = -0.334446 + 0.242523I$ $b = 0.034957 + 0.580654I$ $c = -0.334446 + 0.242523I$ $d = -0.698979 - 0.215129I$ | $0.79868 - 2.33972I$ | $-0.33078 + 5.26516I$ |
| $u = -0.589168 - 0.828507I$ $a = -0.334446 - 0.242523I$ $b = 0.034957 - 0.580654I$ $c = -0.334446 - 0.242523I$ $d = -0.698979 + 0.215129I$ | $0.79868 + 2.33972I$ | $-0.33078 - 5.26516I$ |
| $u = -0.403846 + 0.948035I$ $a = -0.05430 + 1.74034I$ $b = 0.19668 + 1.84724I$ $c = -0.05430 + 1.74034I$ $d = 0.10664 + 2.23981I$ | $-0.77904 - 2.74622I$ | $2.48507 + 7.16740I$ |
| $u = -0.403846 - 0.948035I$ $a = -0.05430 - 1.74034I$ $b = 0.19668 - 1.84724I$ $c = -0.05430 - 1.74034I$ $d = 0.10664 - 2.23981I$ | $-0.77904 + 2.74622I$ | $2.48507 - 7.16740I$ |
| $u = 0.329450 + 1.030540I$ $a = -0.533679 - 0.078695I$ $b = -1.17048 + 1.30416I$ $c = -0.533679 - 0.078695I$ $d = -2.21402 + 0.44981I$ | $0.72956 + 1.37071I$ | $0.698150 - 0.213889I$ |
| $u = 0.329450 - 1.030540I$ $a = -0.533679 + 0.078695I$ $b = -1.17048 - 1.30416I$ $c = -0.533679 + 0.078695I$ $d = -2.21402 - 0.44981I$ | $0.72956 - 1.37071I$ | $0.698150 + 0.213889I$ |

| Solutions to I_1^u | $\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$ | Cusp shape |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------|
| $u = 1.349370 + 0.320500I$ $a = -0.41610 - 1.64751I$ $b = -0.40657 + 1.44659I$ $c = -0.41610 - 1.64751I$ $d = 0.216006 + 0.318534I$ | $-15.3110 - 5.6503I$ | $2.10303 + 1.68119I$ |
| $u = 1.349370 - 0.320500I$ $a = -0.41610 + 1.64751I$ $b = -0.40657 - 1.44659I$ $c = -0.41610 + 1.64751I$ $d = 0.216006 - 0.318534I$ | $-15.3110 + 5.6503I$ | $2.10303 - 1.68119I$ |
| $u = 0.76686 + 1.31677I$ $a = -1.25346 - 0.81948I$ $b = -3.59718 - 0.72270I$ $c = -1.25346 - 0.81948I$ $d = -2.85722 - 1.77893I$ | $-18.4182 + 12.9335I$ | $1.01650 - 5.27491I$ |
| $u = 0.76686 - 1.31677I$ $a = -1.25346 + 0.81948I$ $b = -3.59718 + 0.72270I$ $c = -1.25346 + 0.81948I$ $d = -2.85722 + 1.77893I$ | $-18.4182 - 12.9335I$ | $1.01650 + 5.27491I$ |
| $u = 0.249371 + 0.383586I$ $a = 0.211561 + 0.671412I$ $b = 0.189849 + 0.372765I$ $c = 0.211561 + 0.671412I$ $d = 0.330805 - 1.044730I$ | $-1.75773 + 0.71028I$ | $-3.71531 + 0.02644I$ |
| $u = 0.249371 - 0.383586I$ $a = 0.211561 - 0.671412I$ $b = 0.189849 - 0.372765I$ $c = 0.211561 - 0.671412I$ $d = 0.330805 + 1.044730I$ | $-1.75773 - 0.71028I$ | $-3.71531 - 0.02644I$ |

| Solutions to I_1^u | $\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$ | Cusp shape |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------|
| $u = -0.275145$ $a = -2.98224$ $b = -0.717882$ $c = -2.98224$ $d = -0.605476$ | 1.13318 | 9.61860 |
| $u = 0.30683 + 1.77436I$ $a = -0.324822 - 0.574504I$ $b = -1.79861 - 3.25766I$ $c = -0.324822 - 0.574504I$ $d = -0.852724 + 0.332528I$ | $-9.63429 + 3.26152I$ | $-0.10201 - 1.44169I$ |
| $u = 0.30683 - 1.77436I$ $a = -0.324822 + 0.574504I$ $b = -1.79861 + 3.25766I$ $c = -0.324822 + 0.574504I$ $d = -0.852724 - 0.332528I$ | $-9.63429 - 3.26152I$ | $-0.10201 + 1.44169I$ |
| $u = 0.62871 + 1.82695I$ $a = 1.196370 + 0.402403I$ $b = 4.91030 - 0.58153I$ $c = 1.196370 + 0.402403I$ $d = 2.77223 + 0.28963I$ | $17.4865 + 1.7702I$ | $0.036073 - 0.657690I$ |
| $u = 0.62871 - 1.82695I$ $a = 1.196370 - 0.402403I$ $b = 4.91030 + 0.58153I$ $c = 1.196370 - 0.402403I$ $d = 2.77223 - 0.28963I$ | $17.4865 - 1.7702I$ | $0.036073 + 0.657690I$ |

$$\text{II. } I_2^u = \langle d - u - 1, c, b - u - 1, a, u^2 + u + 1 \rangle$$

(i) Arc colorings

$$a_2 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_3 = \begin{pmatrix} 1 \\ u + 1 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} u \\ u \end{pmatrix}$$

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

$$a_{10} = \begin{pmatrix} 0 \\ u + 1 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} 0 \\ u + 1 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} -u \\ -u \end{pmatrix}$$

$$a_4 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_9 = \begin{pmatrix} 0 \\ u + 1 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} -u \\ 1 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 0 \\ u + 1 \end{pmatrix}$$

(ii) Obstruction class = 1

(iii) Cusp Shapes = $4u + 11$

(iv) u-Polynomials at the component

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

(v) Riley Polynomials at the component

| Crossings | Riley Polynomials at each crossing |
|----------------------------------|------------------------------------|
| c_1, c_2, c_3 c_5 | $y^2 + y + 1$ |
| c_4, c_7, c_8 c_9, c_{10} | y^2 |
| c_6, c_{11}, c_{12} | $(y - 1)^2$ |

(vi) Complex Volumes and Cusp Shapes

| Solutions to I_2^u | $\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$ | Cusp shape |
|-----------------------------|---------------------------------------|----------------------|
| $u = -0.500000 + 0.866025I$ | $1.64493 - 2.02988I$ | $9.00000 + 3.46410I$ |
| $a = 0$ | | |
| $b = 0.500000 + 0.866025I$ | | |
| $c = 0$ | | |
| $d = 0.500000 + 0.866025I$ | | |
| $u = -0.500000 - 0.866025I$ | $1.64493 + 2.02988I$ | $9.00000 - 3.46410I$ |
| $a = 0$ | | |
| $b = 0.500000 - 0.866025I$ | | |
| $c = 0$ | | |
| $d = 0.500000 - 0.866025I$ | | |

$$\text{III. } \Gamma_3^u = \langle d + 2u + 1, c + u, b - u, a - u, u^2 + u + 1 \rangle$$

(i) Arc colorings

$$a_2 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_3 = \begin{pmatrix} 1 \\ u + 1 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} u \\ u \end{pmatrix}$$

$$a_7 = \begin{pmatrix} u \\ u \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -u \\ -2u - 1 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} 0 \\ -u - 1 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} -u \\ -u \end{pmatrix}$$

$$a_4 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_9 = \begin{pmatrix} 0 \\ -u - 1 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} -u \\ -u \end{pmatrix}$$

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

(ii) Obstruction class = 1

(iii) Cusp Shapes = $4u - 1$

(iv) u-Polynomials at the component

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

(v) Riley Polynomials at the component

| Crossings | Riley Polynomials at each crossing |
|-------------------------------------|------------------------------------|
| c_1, c_2, c_3 c_5 | $y^2 + y + 1$ |
| c_4, c_6, c_8 c_{11}, c_{12} | y^2 |
| c_7, c_9, c_{10} | $(y - 1)^2$ |

(vi) Complex Volumes and Cusp Shapes

| Solutions to I_3^u | $\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$ | Cusp shape |
|-----------------------------|---------------------------------------|-----------------------|
| $u = -0.500000 + 0.866025I$ | $-1.64493 - 2.02988I$ | $-3.00000 + 3.46410I$ |
| $a = -0.500000 + 0.866025I$ | | |
| $b = -0.500000 + 0.866025I$ | | |
| $c = 0.500000 - 0.866025I$ | | |
| $d = -1.73205I$ | | |
| $u = -0.500000 - 0.866025I$ | $-1.64493 + 2.02988I$ | $-3.00000 - 3.46410I$ |
| $a = -0.500000 - 0.866025I$ | | |
| $b = -0.500000 - 0.866025I$ | | |
| $c = 0.500000 + 0.866025I$ | | |
| $d = 1.73205I$ | | |

$$\text{IV. } I_4^u = \langle da + a^2 + au + a - 1, c + a, b - a - u - 1, u^2 + u + 1 \rangle$$

(i) Arc colorings

$$a_2 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_3 = \begin{pmatrix} 1 \\ u + 1 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} u \\ u \end{pmatrix}$$

$$a_7 = \begin{pmatrix} a \\ a + u + 1 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -a \\ d \end{pmatrix}$$

$$a_8 = \begin{pmatrix} 0 \\ d + a + u + 1 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} -u \\ -u \end{pmatrix}$$

$$a_4 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_9 = \begin{pmatrix} 0 \\ d + a + u + 1 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} a - u \\ a + 1 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} a \\ a + u + 1 \end{pmatrix}$$

(ii) Obstruction class = -1

(iii) Cusp Shapes = $-d^2u + 2a^2u + a^2 + 2d + 3u + 5$

(iv) u-Polynomials at the component : It cannot be defined for a positive dimension component.

(v) Riley Polynomials at the component : It cannot be defined for a positive dimension component.

(iv) Complex Volumes and Cusp Shapes

| Solution to I_4^u | $\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$ | Cusp shape |
|---------------------|---------------------------------------|----------------------|
| $u = \dots$ | | |
| $a = \dots$ | | |
| $b = \dots$ | $2.02988I$ | $2.36062 + 3.50810I$ |
| $c = \dots$ | | |
| $d = \dots$ | | |

$$\mathbf{V. } I_1^v = \langle a, d - 1, c + a - 1, b + 1, v - 1 \rangle$$

(i) Arc colorings

$$a_2 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_3 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_{10} = \begin{pmatrix} 1 \\ 1 \end{pmatrix}$$

$$a_8 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_4 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_{11} = \begin{pmatrix} 0 \\ 1 \end{pmatrix}$$

(ii) Obstruction class = 1

(iii) Cusp Shapes = 0

(iv) **u**-Polynomials at the component

| Crossings | u -Polynomials at each crossing |
|------------------------------------|----------------------------------------|
| c_1, c_2, c_3 c_4, c_5, c_8 | u |
| c_6, c_7 | $u - 1$ |
| c_9, c_{10}, c_{11} c_{12} | $u + 1$ |

(v) Riley Polynomials at the component

| Crossings | Riley Polynomials at each crossing |
|---------------------------------------------|------------------------------------|
| c_1, c_2, c_3 c_4, c_5, c_8 | y |
| c_6, c_7, c_9 c_{10}, c_{11}, c_{12} | $y - 1$ |

(vi) Complex Volumes and Cusp Shapes

| Solutions to I_1^v | $\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$ | Cusp shape |
|----------------------|---------------------------------------|------------|
| $v = 1.00000$ | | |
| $a = 0$ | | |
| $b = -1.00000$ | 0 | 0 |
| $c = 1.00000$ | | |
| $d = 1.00000$ | | |

VI. u-Polynomials

| Crossings | u-Polynomials at each crossing |
|------------|--------------------------------------------------------------|
| c_1 | $u(u^2 - u + 1)^2(u^{17} + 15u^{16} + \dots + 88u - 16)$ |
| c_2 | $u(u^2 + u + 1)^2(u^{17} + 5u^{16} + \dots + 11u^2 - 4)$ |
| c_3 | $u(u^2 - u + 1)^2(u^{17} - 14u^{16} + \dots + 6768u - 2592)$ |
| c_4, c_8 | $u^5(u^{17} - u^{16} + \dots - 1024u - 512)$ |
| c_5 | $u(u^2 - u + 1)^2(u^{17} + 5u^{16} + \dots + 11u^2 - 4)$ |
| c_6 | $u^2(u - 1)(u + 1)^2(u^{17} + 8u^{16} + \dots - 8u - 16)$ |
| c_7 | $u^2(u - 1)^3(u^{17} - 8u^{16} + \dots - 8u - 16)$ |
| c_9 | $u^2(u + 1)^3(u^{17} - 8u^{16} + \dots - 8u - 16)$ |
| c_{10} | $u^2(u + 1)^3(u^{17} + 34u^{16} + \dots + 6176u + 256)$ |
| c_{11} | $u^2(u + 1)^3(u^{17} + 6u^{16} + \dots + 32u - 256)$ |
| c_{12} | $u^2(u - 1)^2(u + 1)(u^{17} + 8u^{16} + \dots - 8u - 16)$ |

VII. Riley Polynomials

| Crossings | Riley Polynomials at each crossing |
|---------------|---------------------------------------------------------------------------------|
| c_1 | $y(y^2 + y + 1)^2(y^{17} - 21y^{16} + \dots + 36640y - 256)$ |
| c_2, c_5 | $y(y^2 + y + 1)^2(y^{17} + 15y^{16} + \dots + 88y - 16)$ |
| c_3 | $y(y^2 + y + 1)^2(y^{17} - 66y^{16} + \dots + 3.67649 \times 10^7 y - 6718464)$ |
| c_4, c_8 | $y^5(y^{17} + 81y^{16} + \dots - 524288y - 262144)$ |
| c_6, c_{12} | $y^2(y - 1)^3(y^{17} + 6y^{16} + \dots + 32y - 256)$ |
| c_7, c_9 | $y^2(y - 1)^3(y^{17} - 34y^{16} + \dots + 6176y - 256)$ |
| c_{10} | $y^2(y - 1)^3(y^{17} - 94y^{16} + \dots + 7397888y - 65536)$ |
| c_{11} | $y^2(y - 1)^3(y^{17} + 66y^{16} + \dots + 2613760y - 65536)$ |