

Ideals for irreducible components² of X_{par}

$$I_1^u = \langle u^{28} - u^{27} + \dots - u^2 + 1 \rangle$$

* 1 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 28 representations.

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).

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

I.
$$I_1^u = \langle u^{28} - u^{27} + \dots - u^2 + 1 \rangle$$

(i) Arc colorings

$$a_{3} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

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

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

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

$$a_{7} = \begin{pmatrix} u \\ -u^{3} + u \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} u^{12} - u^{10} + 3u^{8} - 2u^{6} + 2u^{4} - u^{2} + 1 \\ -u^{14} + 2u^{12} - 5u^{10} + 6u^{8} - 6u^{6} + 4u^{4} - u^{2} \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} u^{11} - 2u^{9} + 4u^{7} - 4u^{5} + 3u^{3} \\ u^{11} - u^{9} + 2u^{7} - u^{5} - u^{3} + u \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} u^{27} - 4u^{25} + \dots + 12u^{7} - u^{3} \\ u^{27} - 3u^{25} + \dots - u^{3} + u \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = $4u^{26} 4u^{25} 12u^{24} + 16u^{23} + 44u^{22} 52u^{21} 88u^{20} + 116u^{19} + 168u^{18} 204u^{17} 236u^{16} + 284u^{15} + 288u^{14} 312u^{13} 280u^{12} + 256u^{11} + 224u^{10} 152u^9 136u^8 + 40u^7 + 64u^6 + 16u^5 16u^4 16u^3 + 4u 2$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_3, c_8	$u^{28} + 7u^{27} + \dots + 2u + 1$
c_2, c_7	$u^{28} - u^{27} + \dots - u^2 + 1$
C ₄	$u^{28} - u^{27} + \dots + 5u + 2$
c_5, c_9, c_{10}	$u^{28} + u^{27} + \dots + 2u + 1$
c_6	$u^{28} + 7u^{27} + \dots + 8u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_3, c_8	$y^{28} + 29y^{27} + \dots + 14y + 1$
c_2, c_7	$y^{28} - 7y^{27} + \dots - 2y + 1$
C4	$y^{28} - 3y^{27} + \dots + 19y + 4$
c_5, c_9, c_{10}	$y^{28} + 25y^{27} + \dots - 2y + 1$
c_6	$y^{28} + y^{27} + \dots + 62y + 1$

(vi) Complex Volumes and Cusp Shapes

$\begin{array}{c} u = 0.899770 + 0.359295I & -0.52966 - 3.76187I & -0.54869 + 7.99757I \\ u = 0.899770 - 0.359295I & -0.52966 + 3.76187I & -0.54869 - 7.99757I \\ u = 0.954301 + 0.165131I & -6.93655 + 1.29573I & -8.16340 + 0.19021I \\ u = 0.954301 - 0.165131I & -6.93655 - 1.29573I & -8.16340 - 0.19021I \\ u = -0.971170 + 0.356128I & -5.84563 + 6.87695I & -5.38448 - 7.29150I \\ u = -0.971170 - 0.356128I & -5.84563 - 6.87695I & -5.38448 + 7.29150I \\ u = -0.816311 + 0.219669I & -1.41378 + 0.68499I & -4.66956 - 0.56233I \\ u = -0.816311 - 0.219669I & -1.41378 - 0.68499I & -4.66956 + 0.56233I \\ u = -0.894569 + 0.739690I & -1.93517 + 2.81005I & -2.61718 + 2.93426I \\ u = -0.894569 - 0.739690I & -1.93517 - 2.81005I & -2.61718 + 2.93426I \\ u = -0.594944 + 0.540484I & -1.95488 + 1.97473I & 0.55963 - 3.90307I \\ u = 0.824272 + 0.873080I & 2.07406 + 4.77850I & 0.63399 + 2.38985I \\ u = 0.824272 - 0.873080I & 2.07406 + 4.77850I & 0.63399 + 2.38985I \\ u = 0.848977 + 0.862822I & 7.13238 + 0.98573I & 5.20004 + 1.21736I \\ u = 0.883885 + 0.841772I & 4.95278 + 2.93440I & 2.09657 + 3.53352I \\ u = 0.824389 + 0.824235I & 4.83159 + 3.27187I & 1.73251 + 1.59380I \\ u = 0.921489 + 0.824235I & 4.83159 + 3.27187I & 1.73251 + 1.59380I \\ u = 0.921489 - 0.824235I & 4.83159 + 3.27187I & 1.73251 + 1.59380I \\ u = 0.9956709 + 0.821698I & 6.79399 + 7.24627I & 4.35343 + 6.30493I \\ u = 0.975960 + 0.81454II & 1.59839 + 11.04430I & -0.28365 + 7.20583I \\ u = 0.975960 + 0.81454II & 1.59839 + 11.04430I & -0.28365 + 7.20583I \\ u = 0.975960 - 0.81454II & 1.59839 + 11.04430I & -0.28365 + 7.20583I \\ u = 0.975960 - 0.81454II & 1.59839 + 11.04430I & -0.28365 + 7.20583I \\ u = 0.975960 - 0.81454II & 1.59839 + 11.04430I & -0.28365 + 7.20583I \\ u = 0.975960 - 0.81454II & 1.59839 + 11.04430I & -0.28365 + 7.20583I \\ u = 0.9975960 - 0.81454II & 1.59839 + 11.04430I & -0.28365 + 7.20583I \\ u = 0.975960 - 0.81454II & 1.59839 + 11.04430I & -0.28365 + 7.20583I \\ u = 0.190095 - 0.611771I & -3.43315 + 3.38176I & 0.34958 + 2.75424I \\ u = 0.313097 - 0.488114I & 1.245360 - 0.507461I & 6.74123 + $	Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$\begin{array}{c} u = 0.954301 + 0.165131I & -6.93655 + 1.29573I & -8.16340 + 0.19021I \\ u = 0.954301 - 0.165131I & -6.93655 - 1.29573I & -8.16340 - 0.19021I \\ u = -0.971170 + 0.356128I & -5.84563 + 6.87695I & -5.38448 - 7.29150I \\ u = -0.971170 - 0.356128I & -5.84563 - 6.87695I & -5.38448 + 7.29150I \\ u = -0.816311 + 0.219669I & -1.41378 + 0.68499I & -4.66956 - 0.56233I \\ u = -0.816311 - 0.219669I & -1.41378 - 0.68499I & -4.66956 + 0.56233I \\ u = -0.894569 + 0.739690I & -1.93517 + 2.81005I & -2.61718 - 2.93426I \\ u = -0.894569 - 0.739690I & -1.93517 - 2.81005I & -2.61718 + 2.93426I \\ u = -0.594944 + 0.540484I & -1.95488 + 1.97473I & 0.55963 - 3.90307I \\ u = 0.824272 + 0.873080I & 2.07406 + 4.77850I & 0.63399 + 2.38985I \\ u = 0.824272 - 0.873080I & 2.07406 + 4.77850I & 0.63399 + 2.38985I \\ u = -0.848977 - 0.862822I & 7.13238 - 0.98573I & 5.20004 + 1.21736I \\ u = 0.883885 + 0.841772I & 4.95278 - 2.93440I & 2.09657 + 3.53352I \\ u = 0.921489 + 0.824235I & 4.83159 - 3.27187I & 1.73251 + 1.59380I \\ u = 0.921489 - 0.824235I & 4.83159 + 3.27187I & 1.73251 + 1.59380I \\ u = 0.991489 - 0.824235I & 4.83159 + 3.27187I & 1.73251 - 1.59380I \\ u = 0.975960 + 0.81698I & 6.79399 + 7.24627I & 4.35343 - 6.30493I \\ u = 0.975960 - 0.814541I & 1.59839 + 11.04430I & -0.28365 + 7.20583I \\ u = 0.975960 - 0.814541I & 1.59839 + 11.04430I & -0.28365 + 7.20583I \\ u = 0.975960 - 0.814541I & 1.59839 + 11.04430I & -0.28365 - 7.20583I \\ u = 0.975960 - 0.814541I & 1.59839 + 11.04430I & -0.28365 - 7.20583I \\ u = 0.975960 - 0.814541I & 1.59839 + 11.04430I & -0.28365 - 7.20583I \\ u = 0.975960 - 0.814541I & 1.59839 + 11.04430I & -0.28365 - 7.20583I \\ u = 0.975960 - 0.814541I & 1.59839 + 11.04430I & -0.28365 - 7.20583I \\ u = 0.975960 - 0.814541I & 1.59839 + 11.04430I & -0.28365 - 7.20583I \\ u = 0.975960 - 0.814541I & 1.59839 + 11.04430I & -0.28365 - 7.20583I \\ u = 0.975960 - 0.814541I & 1.59839 + 11.04430I & -0.28365 - 7.20583I \\ u = 0.910095 - 0.611771I & -3.43315 - 3.38176I & 0.34958 + 2.75424I \\ u = 0.313097 + 0.488114I & 1.245360 + 0.507461I & 6.74123 - 1.$	u = 0.899770 + 0.359295I		-0.54869 + 7.99757I
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$\begin{array}{llllllllllllllllllllllllllllllllllll$	u = -0.816311 - 0.219669I	-1.41378 - 0.68499I	-4.66956 + 0.56233I
$\begin{array}{llll} u = -0.594944 + 0.540484I & -1.95488 + 1.97473I & 0.55963 - 3.90307I \\ u = -0.594944 - 0.540484I & -1.95488 - 1.97473I & 0.55963 + 3.90307I \\ u = 0.824272 + 0.873080I & 2.07406 + 4.77850I & 0.63399 - 2.38985I \\ u = 0.824272 - 0.873080I & 2.07406 - 4.77850I & 0.63399 + 2.38985I \\ u = -0.848977 + 0.862822I & 7.13238 - 0.98573I & 5.20004 + 1.21736I \\ u = -0.848977 - 0.862822I & 7.13238 + 0.98573I & 5.20004 - 1.21736I \\ u = 0.883885 + 0.841772I & 4.95278 - 2.93440I & 2.09657 + 3.53352I \\ u = 0.883885 - 0.841772I & 4.95278 + 2.93440I & 2.09657 - 3.53352I \\ u = 0.921489 + 0.824235I & 4.83159 - 3.27187I & 1.73251 + 1.59380I \\ u = 0.921489 - 0.824235I & 4.83159 + 3.27187I & 1.73251 - 1.59380I \\ u = -0.956709 + 0.821698I & 6.79399 + 7.24627I & 4.35343 - 6.30493I \\ u = 0.975960 + 0.814541I & 1.59839 - 11.04430I & -0.28365 + 7.20583I \\ u = 0.975960 - 0.814541I & 1.59839 + 11.04430I & -0.28365 - 7.20583I \\ u = -0.190095 + 0.611771I & -3.43315 - 3.38176I & 0.34958 + 2.75424I \\ u = -0.190095 - 0.611771I & -3.43315 + 3.38176I & 0.34958 - 2.75424I \\ u = 0.313097 + 0.488114I & 1.245360 + 0.507461I & 6.74123 - 1.23953I \\ \end{array}$	u = -0.894569 + 0.739690I	-1.93517 + 2.81005I	-2.61718 - 2.93426I
$\begin{array}{llll} u = -0.594944 - 0.540484I & -1.95488 - 1.97473I & 0.55963 + 3.90307I \\ u = 0.824272 + 0.873080I & 2.07406 + 4.77850I & 0.63399 - 2.38985I \\ u = 0.824272 - 0.873080I & 2.07406 - 4.77850I & 0.63399 + 2.38985I \\ u = -0.848977 + 0.862822I & 7.13238 - 0.98573I & 5.20004 + 1.21736I \\ u = -0.848977 - 0.862822I & 7.13238 + 0.98573I & 5.20004 - 1.21736I \\ u = 0.883885 + 0.841772I & 4.95278 - 2.93440I & 2.09657 + 3.53352I \\ u = 0.883885 - 0.841772I & 4.95278 + 2.93440I & 2.09657 - 3.53352I \\ u = 0.921489 + 0.824235I & 4.83159 - 3.27187I & 1.73251 + 1.59380I \\ u = 0.921489 - 0.824235I & 4.83159 + 3.27187I & 1.73251 - 1.59380I \\ u = -0.956709 + 0.821698I & 6.79399 + 7.24627I & 4.35343 - 6.30493I \\ u = -0.956709 - 0.821698I & 6.79399 - 7.24627I & 4.35343 + 6.30493I \\ u = 0.975960 + 0.814541I & 1.59839 - 11.04430I & -0.28365 + 7.20583I \\ u = 0.975960 - 0.814541I & 1.59839 + 11.04430I & -0.28365 - 7.20583I \\ u = -0.190095 + 0.611771I & -3.43315 - 3.38176I & 0.34958 + 2.75424I \\ u = -0.190095 - 0.611771I & -3.43315 + 3.38176I & 0.34958 - 2.75424I \\ u = 0.313097 + 0.488114I & 1.245360 + 0.507461I & 6.74123 - 1.23953I \\ \end{array}$	u = -0.894569 - 0.739690I	-1.93517 - 2.81005I	-2.61718 + 2.93426I
$\begin{array}{llllllllllllllllllllllllllllllllllll$	u = -0.594944 + 0.540484I	-1.95488 + 1.97473I	0.55963 - 3.90307I
$\begin{array}{llllllllllllllllllllllllllllllllllll$	u = -0.594944 - 0.540484I	-1.95488 - 1.97473I	0.55963 + 3.90307I
$\begin{array}{llll} u = -0.848977 + 0.862822I & 7.13238 - 0.98573I & 5.20004 + 1.21736I \\ u = -0.848977 - 0.862822I & 7.13238 + 0.98573I & 5.20004 - 1.21736I \\ u = 0.883885 + 0.841772I & 4.95278 - 2.93440I & 2.09657 + 3.53352I \\ u = 0.883885 - 0.841772I & 4.95278 + 2.93440I & 2.09657 - 3.53352I \\ u = 0.921489 + 0.824235I & 4.83159 - 3.27187I & 1.73251 + 1.59380I \\ u = 0.921489 - 0.824235I & 4.83159 + 3.27187I & 1.73251 - 1.59380I \\ u = -0.956709 + 0.821698I & 6.79399 + 7.24627I & 4.35343 - 6.30493I \\ u = -0.956709 - 0.821698I & 6.79399 - 7.24627I & 4.35343 + 6.30493I \\ u = 0.975960 + 0.814541I & 1.59839 - 11.04430I & -0.28365 + 7.20583I \\ u = 0.975960 - 0.814541I & 1.59839 + 11.04430I & -0.28365 - 7.20583I \\ u = -0.190095 + 0.611771I & -3.43315 - 3.38176I & 0.34958 + 2.75424I \\ u = -0.190095 - 0.611771I & -3.43315 + 3.38176I & 0.34958 - 2.75424I \\ u = 0.313097 + 0.488114I & 1.245360 + 0.507461I & 6.74123 - 1.23953I \\ \end{array}$	u = 0.824272 + 0.873080I	2.07406 + 4.77850I	0.63399 - 2.38985I
$\begin{array}{llll} u = -0.848977 - 0.862822I & 7.13238 + 0.98573I & 5.20004 - 1.21736I \\ u = 0.883885 + 0.841772I & 4.95278 - 2.93440I & 2.09657 + 3.53352I \\ u = 0.883885 - 0.841772I & 4.95278 + 2.93440I & 2.09657 - 3.53352I \\ u = 0.921489 + 0.824235I & 4.83159 - 3.27187I & 1.73251 + 1.59380I \\ u = 0.921489 - 0.824235I & 4.83159 + 3.27187I & 1.73251 - 1.59380I \\ u = -0.956709 + 0.821698I & 6.79399 + 7.24627I & 4.35343 - 6.30493I \\ u = -0.956709 - 0.821698I & 6.79399 - 7.24627I & 4.35343 + 6.30493I \\ u = 0.975960 + 0.814541I & 1.59839 - 11.04430I & -0.28365 + 7.20583I \\ u = 0.975960 - 0.814541I & 1.59839 + 11.04430I & -0.28365 - 7.20583I \\ u = -0.190095 + 0.611771I & -3.43315 - 3.38176I & 0.34958 + 2.75424I \\ u = -0.190095 - 0.611771I & -3.43315 + 3.38176I & 0.34958 - 2.75424I \\ u = 0.313097 + 0.488114I & 1.245360 + 0.507461I & 6.74123 - 1.23953I \\ \end{array}$	u = 0.824272 - 0.873080I	2.07406 - 4.77850I	0.63399 + 2.38985I
$\begin{array}{llll} u = & 0.883885 + 0.841772I & 4.95278 - 2.93440I & 2.09657 + 3.53352I \\ u = & 0.883885 - 0.841772I & 4.95278 + 2.93440I & 2.09657 - 3.53352I \\ u = & 0.921489 + 0.824235I & 4.83159 - 3.27187I & 1.73251 + 1.59380I \\ u = & 0.921489 - 0.824235I & 4.83159 + 3.27187I & 1.73251 - 1.59380I \\ u = & -0.956709 + 0.821698I & 6.79399 + 7.24627I & 4.35343 - 6.30493I \\ u = & -0.956709 - 0.821698I & 6.79399 - 7.24627I & 4.35343 + 6.30493I \\ u = & 0.975960 + 0.814541I & 1.59839 - 11.04430I & -0.28365 + 7.20583I \\ u = & 0.975960 - 0.814541I & 1.59839 + 11.04430I & -0.28365 - 7.20583I \\ u = & -0.190095 + 0.611771I & -3.43315 - 3.38176I & 0.34958 + 2.75424I \\ u = & -0.190095 - 0.611771I & -3.43315 + 3.38176I & 0.34958 - 2.75424I \\ u = & 0.313097 + 0.488114I & 1.245360 + 0.507461I & 6.74123 - 1.23953I \\ \end{array}$	u = -0.848977 + 0.862822I	7.13238 - 0.98573I	5.20004 + 1.21736I
$\begin{array}{llll} u = & 0.883885 - 0.841772I & 4.95278 + 2.93440I & 2.09657 - 3.53352I \\ u = & 0.921489 + 0.824235I & 4.83159 - 3.27187I & 1.73251 + 1.59380I \\ u = & 0.921489 - 0.824235I & 4.83159 + 3.27187I & 1.73251 - 1.59380I \\ u = & -0.956709 + 0.821698I & 6.79399 + 7.24627I & 4.35343 - 6.30493I \\ u = & -0.956709 - 0.821698I & 6.79399 - 7.24627I & 4.35343 + 6.30493I \\ u = & 0.975960 + 0.814541I & 1.59839 - 11.04430I & -0.28365 + 7.20583I \\ u = & 0.975960 - 0.814541I & 1.59839 + 11.04430I & -0.28365 - 7.20583I \\ u = & -0.190095 + 0.611771I & -3.43315 - 3.38176I & 0.34958 + 2.75424I \\ u = & -0.190095 - 0.611771I & -3.43315 + 3.38176I & 0.34958 - 2.75424I \\ u = & 0.313097 + 0.488114I & 1.245360 + 0.507461I & 6.74123 - 1.23953I \\ \end{array}$	u = -0.848977 - 0.862822I	7.13238 + 0.98573I	5.20004 - 1.21736I
$\begin{array}{llll} u = & 0.921489 + 0.824235I & 4.83159 - 3.27187I & 1.73251 + 1.59380I \\ u = & 0.921489 - 0.824235I & 4.83159 + 3.27187I & 1.73251 - 1.59380I \\ u = & -0.956709 + 0.821698I & 6.79399 + 7.24627I & 4.35343 - 6.30493I \\ u = & -0.956709 - 0.821698I & 6.79399 - 7.24627I & 4.35343 + 6.30493I \\ u = & 0.975960 + 0.814541I & 1.59839 - 11.04430I & -0.28365 + 7.20583I \\ u = & 0.975960 - 0.814541I & 1.59839 + 11.04430I & -0.28365 - 7.20583I \\ u = & 0.975960 - 0.814541I & 1.59839 + 11.04430I & -0.28365 - 7.20583I \\ u = & -0.190095 + 0.611771I & -3.43315 - 3.38176I & 0.34958 + 2.75424I \\ u = & -0.190095 - 0.611771I & -3.43315 + 3.38176I & 0.34958 - 2.75424I \\ u = & 0.313097 + 0.488114I & 1.245360 + 0.507461I & 6.74123 - 1.23953I \\ \end{array}$	u = 0.883885 + 0.841772I	4.95278 - 2.93440I	2.09657 + 3.53352I
$\begin{array}{llll} u = & 0.921489 - 0.824235I & 4.83159 + 3.27187I & 1.73251 - 1.59380I \\ u = & -0.956709 + 0.821698I & 6.79399 + 7.24627I & 4.35343 - 6.30493I \\ u = & -0.956709 - 0.821698I & 6.79399 - 7.24627I & 4.35343 + 6.30493I \\ u = & 0.975960 + 0.814541I & 1.59839 - 11.04430I & -0.28365 + 7.20583I \\ u = & 0.975960 - 0.814541I & 1.59839 + 11.04430I & -0.28365 - 7.20583I \\ u = & -0.190095 + 0.611771I & -3.43315 - 3.38176I & 0.34958 + 2.75424I \\ u = & -0.190095 - 0.611771I & -3.43315 + 3.38176I & 0.34958 - 2.75424I \\ u = & 0.313097 + 0.488114I & 1.245360 + 0.507461I & 6.74123 - 1.23953I \\ \end{array}$	u = 0.883885 - 0.841772I	4.95278 + 2.93440I	2.09657 - 3.53352I
$\begin{array}{lll} u = -0.956709 + 0.821698I & 6.79399 + 7.24627I & 4.35343 - 6.30493I \\ u = -0.956709 - 0.821698I & 6.79399 - 7.24627I & 4.35343 + 6.30493I \\ u = 0.975960 + 0.814541I & 1.59839 - 11.04430I & -0.28365 + 7.20583I \\ u = 0.975960 - 0.814541I & 1.59839 + 11.04430I & -0.28365 - 7.20583I \\ u = -0.190095 + 0.611771I & -3.43315 - 3.38176I & 0.34958 + 2.75424I \\ u = -0.190095 - 0.611771I & -3.43315 + 3.38176I & 0.34958 - 2.75424I \\ u = 0.313097 + 0.488114I & 1.245360 + 0.507461I & 6.74123 - 1.23953I \\ \end{array}$	u = 0.921489 + 0.824235I	4.83159 - 3.27187I	1.73251 + 1.59380I
$\begin{array}{lll} u = -0.956709 - 0.821698I & 6.79399 - 7.24627I & 4.35343 + 6.30493I \\ u = 0.975960 + 0.814541I & 1.59839 - 11.04430I & -0.28365 + 7.20583I \\ u = 0.975960 - 0.814541I & 1.59839 + 11.04430I & -0.28365 - 7.20583I \\ u = -0.190095 + 0.611771I & -3.43315 - 3.38176I & 0.34958 + 2.75424I \\ u = -0.190095 - 0.611771I & -3.43315 + 3.38176I & 0.34958 - 2.75424I \\ u = 0.313097 + 0.488114I & 1.245360 + 0.507461I & 6.74123 - 1.23953I \\ \end{array}$	u = 0.921489 - 0.824235I	4.83159 + 3.27187I	1.73251 - 1.59380I
$\begin{array}{llll} u = & 0.975960 + 0.814541I & 1.59839 - 11.04430I & -0.28365 + 7.20583I \\ u = & 0.975960 - 0.814541I & 1.59839 + 11.04430I & -0.28365 - 7.20583I \\ u = & -0.190095 + 0.611771I & -3.43315 - 3.38176I & 0.34958 + 2.75424I \\ u = & -0.190095 - 0.611771I & -3.43315 + 3.38176I & 0.34958 - 2.75424I \\ u = & 0.313097 + 0.488114I & 1.245360 + 0.507461I & 6.74123 - 1.23953I \\ \end{array}$	u = -0.956709 + 0.821698I	6.79399 + 7.24627I	4.35343 - 6.30493I
$\begin{array}{llll} u = & 0.975960 - 0.814541I & 1.59839 + 11.04430I & -0.28365 - 7.20583I \\ u = & -0.190095 + 0.611771I & -3.43315 - 3.38176I & 0.34958 + 2.75424I \\ u = & -0.190095 - 0.611771I & -3.43315 + 3.38176I & 0.34958 - 2.75424I \\ u = & 0.313097 + 0.488114I & 1.245360 + 0.507461I & 6.74123 - 1.23953I \end{array}$	u = -0.956709 - 0.821698I	6.79399 - 7.24627I	4.35343 + 6.30493I
$\begin{array}{lll} u = -0.190095 + 0.611771I & -3.43315 - 3.38176I & 0.34958 + 2.75424I \\ u = -0.190095 - 0.611771I & -3.43315 + 3.38176I & 0.34958 - 2.75424I \\ u = & 0.313097 + 0.488114I & 1.245360 + 0.507461I & 6.74123 - 1.23953I \end{array}$	u = 0.975960 + 0.814541I	1.59839 - 11.04430I	-0.28365 + 7.20583I
$ \begin{array}{lll} u = -0.190095 - 0.611771I & -3.43315 + 3.38176I & 0.34958 - 2.75424I \\ u = & 0.313097 + 0.488114I & 1.245360 + 0.507461I & 6.74123 - 1.23953I \end{array} $	u = 0.975960 - 0.814541I	1.59839 + 11.04430I	-0.28365 - 7.20583I
u = 0.313097 + 0.488114I $1.245360 + 0.507461I$ $6.74123 - 1.23953I$	u = -0.190095 + 0.611771I	-3.43315 - 3.38176I	0.34958 + 2.75424I
	u = -0.190095 - 0.611771I	-3.43315 + 3.38176I	0.34958 - 2.75424I
u = 0.313097 - 0.488114I $1.245360 - 0.507461I$ $6.74123 + 1.23953I$	u = 0.313097 + 0.488114I	1.245360 + 0.507461I	6.74123 - 1.23953I
	u = 0.313097 - 0.488114I	1.245360 - 0.507461I	6.74123 + 1.23953I

II. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1, c_3, c_8	$u^{28} + 7u^{27} + \dots + 2u + 1$
c_2, c_7	$u^{28} - u^{27} + \dots - u^2 + 1$
C4	$u^{28} - u^{27} + \dots + 5u + 2$
c_5, c_9, c_{10}	$u^{28} + u^{27} + \dots + 2u + 1$
<i>c</i> ₆	$u^{28} + 7u^{27} + \dots + 8u + 1$

III. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1, c_3, c_8	$y^{28} + 29y^{27} + \dots + 14y + 1$
c_2, c_7	$y^{28} - 7y^{27} + \dots - 2y + 1$
C ₄	$y^{28} - 3y^{27} + \dots + 19y + 4$
c_5, c_9, c_{10}	$y^{28} + 25y^{27} + \dots - 2y + 1$
<i>c</i> ₆	$y^{28} + y^{27} + \dots + 62y + 1$