Rank-0 over GF(32)

January 15, 2021

The equation

The equation of the surface is :

$$X_0^3 = 0$$

(1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0)
The point rank of the equation over GF(32) is 0

General information

Number of lines	1057
Number of points	1057
Number of singular points	1057
Number of Eckardt points	0
Number of double points	0
Number of single points	0
Number of points off lines	0
Number of Hesse planes	0
Number of axes	0
Type of points on lines	33^{1057}
Type of lines on points	33^{1057}

Singular Points

The surface has 1057 singular points:

$0 : P_1 = \mathbf{P}(0,1,0,0) = \mathbf{P}(0,1,0,0)$

$1 : P_2 = \mathbf{P}(0,0,1,0) = \mathbf{P}(0,0,1,0)$

$2 : P_3 = \mathbf{P}(0,0,0,1) = \mathbf{P}(0,0,0,1)$

$3 : P_{67} = \mathbf{P}(0,1,1,0) = \mathbf{P}(0,1,1,0)$

$4 : P_{99} = \mathbf{P}(0,\eta,1,0) = \mathbf{P}(0,2,1,0)$

$5 : P_{131} = \mathbf{P}(0,\eta^{18},1,0) = \mathbf{P}(0,3,1,0)$

$6 : P_{163} = \mathbf{P}(0,\eta^2,1,0) = \mathbf{P}(0,4,1,0)$

$7 : P_{195} = \mathbf{P}(0,\eta^5,1,0) = \mathbf{P}(0,5,1,0)$

$8 : P_{227} = \mathbf{P}(0,\eta^{19},1,0) = \mathbf{P}(0,6,1,0)$

$9 : P_{259} = \mathbf{P}(0,\eta^{11},1,0) = \mathbf{P}(0,7,1,0)$

$10 : P_{291} = \mathbf{P}(0,\eta^3,1,0) = \mathbf{P}(0,8,1,0)$

$11 : P_{323} = \mathbf{P}(0,\eta^{29},1,0) = \mathbf{P}(0,9,1,0)$

$12 : P_{355} = \mathbf{P}(0,\eta^6,1,0) = \mathbf{P}(0,10,1,0)$

$13 : P_{387} = \mathbf{P}(0,\eta^{27},1,0) = \mathbf{P}(0,11,1,0)$

$14 : P_{419} = \mathbf{P}(0,\eta^{20},1,0) = \mathbf{P}(0,12,1,0)$

$15 : P_{451} = \mathbf{P}(0,\eta^8,1,0) = \mathbf{P}(0,13,1,0)$

$16 : P_{483} = \mathbf{P}(0,\eta^{12},1,0) = \mathbf{P}(0,14,1,0)$

$17 : P_{515} = \mathbf{P}(0,\eta^{23},1,0) = \mathbf{P}(0,15,1,0)$

$18: P_{547} = \mathbf{P}(0, \eta^4, 1, 0) = \mathbf{P}(0, 16, 1, 0)$

$19: P_{579} = \mathbf{P}(0, \eta^{10}, 1, 0) = \mathbf{P}(0, 17, 1, 0)$

$20: P_{611} = \mathbf{P}(0, \eta^{30}, 1, 0) = \mathbf{P}(0, 18, 1, 0)$

$21: P_{643} = \mathbf{P}(0, \eta^{17}, 1, 0) = \mathbf{P}(0, 19, 1, 0)$

$22: P_{675} = \mathbf{P}(0, \eta^7, 1, 0) = \mathbf{P}(0, 20, 1, 0)$

$23: P_{707} = \mathbf{P}(0, \eta^{22}, 1, 0) = \mathbf{P}(0, 21, 1, 0)$

$24: P_{739} = \mathbf{P}(0, \eta^{28}, 1, 0) = \mathbf{P}(0, 22, 1, 0)$

$25: P_{771} = \mathbf{P}(0, \eta^{26}, 1, 0) = \mathbf{P}(0, 23, 1, 0)$

$26: P_{803} = \mathbf{P}(0, \eta^{21}, 1, 0) = \mathbf{P}(0, 24, 1, 0)$

$27: P_{835} = \mathbf{P}(0, \eta^{25}, 1, 0) = \mathbf{P}(0, 25, 1, 0)$

$28: P_{867} = \mathbf{P}(0, \eta^9, 1, 0) = \mathbf{P}(0, 26, 1, 0)$

$29: P_{899} = \mathbf{P}(0, \eta^{16}, 1, 0) = \mathbf{P}(0, 27, 1, 0)$

$30: P_{931} = \mathbf{P}(0, \eta^{13}, 1, 0) = \mathbf{P}(0, 28, 1, 0)$

$31: P_{963} = \mathbf{P}(0, \eta^{14}, 1, 0) = \mathbf{P}(0, 29, 1, 0)$

$32: P_{995} = \mathbf{P}(0, \eta^{24}, 1, 0) = \mathbf{P}(0, 30, 1, 0)$

$33: P_{1027} = \mathbf{P}(0, \eta^{15}, 1, 0) = \mathbf{P}(0, 31, 1, 0)$

$34: P_{1090} = \mathbf{P}(0, 1, 0, 1) = \mathbf{P}(0, 1, 0, 1)$

$35: P_{1122} = \mathbf{P}(0, \eta, 0, 1) = \mathbf{P}(0, 2, 0, 1)$

$36: P_{1154} = \mathbf{P}(0, \eta^{18}, 0, 1) = \mathbf{P}(0, 3, 0, 1)$

$37: P_{1186} = \mathbf{P}(0, \eta^2, 0, 1) = \mathbf{P}(0, 4, 0, 1)$

$38: P_{1218} = \mathbf{P}(0, \eta^5, 0, 1) = \mathbf{P}(0, 5, 0, 1)$

$39: P_{1250} = \mathbf{P}(0, \eta^{19}, 0, 1) = \mathbf{P}(0, 6, 0, 1)$

$40: P_{1282} = \mathbf{P}(0, \eta^{11}, 0, 1) = \mathbf{P}(0, 7, 0, 1)$

$41: P_{1314} = \mathbf{P}(0, \eta^3, 0, 1) = \mathbf{P}(0, 8, 0, 1)$

$42: P_{1346} = \mathbf{P}(0, \eta^{29}, 0, 1) = \mathbf{P}(0, 9, 0, 1)$

$43: P_{1378} = \mathbf{P}(0, \eta^6, 0, 1) = \mathbf{P}(0, 10, 0, 1)$

$44: P_{1410} = \mathbf{P}(0, \eta^{27}, 0, 1) = \mathbf{P}(0, 11, 0, 1)$

$45: P_{1442} = \mathbf{P}(0, \eta^{20}, 0, 1) = \mathbf{P}(0, 12, 0, 1)$

$46: P_{1474} = \mathbf{P}(0, \eta^8, 0, 1) = \mathbf{P}(0, 13, 0, 1)$

$47: P_{1506} = \mathbf{P}(0, \eta^{12}, 0, 1) = \mathbf{P}(0, 14, 0, 1)$

$48: P_{1538} = \mathbf{P}(0, \eta^{23}, 0, 1) = \mathbf{P}(0, 15, 0, 1)$

$49: P_{1570} = \mathbf{P}(0, \eta^4, 0, 1) = \mathbf{P}(0, 16, 0, 1)$

$50: P_{1602} = \mathbf{P}(0, \eta^{10}, 0, 1) = \mathbf{P}(0, 17, 0, 1)$

$51: P_{1634} = \mathbf{P}(0, \eta^{30}, 0, 1) = \mathbf{P}(0, 18, 0, 1)$

$52: P_{1666} = \mathbf{P}(0, \eta^{17}, 0, 1) = \mathbf{P}(0, 19, 0, 1)$

$53: P_{1698} = \mathbf{P}(0, \eta^7, 0, 1) = \mathbf{P}(0, 20, 0, 1)$

$54: P_{1730} = \mathbf{P}(0, \eta^{22}, 0, 1) = \mathbf{P}(0, 21, 0, 1)$

$55: P_{1762} = \mathbf{P}(0, \eta^{28}, 0, 1) = \mathbf{P}(0, 22, 0, 1)$

$56: P_{1794} = \mathbf{P}(0, \eta^{26}, 0, 1) = \mathbf{P}(0, 23, 0, 1)$

$57: P_{1826} = \mathbf{P}(0, \eta^{21}, 0, 1) = \mathbf{P}(0, 24, 0, 1)$

$58: P_{1858} = \mathbf{P}(0, \eta^{25}, 0, 1) = \mathbf{P}(0, 25, 0, 1)$

$59: P_{1890} = \mathbf{P}(0, \eta^9, 0, 1) = \mathbf{P}(0, 26, 0, 1)$

$60: P_{1922} = \mathbf{P}(0, \eta^{16}, 0, 1) = \mathbf{P}(0, 27, 0, 1)$

$61: P_{1954} = \mathbf{P}(0, \eta^{13}, 0, 1) = \mathbf{P}(0, 28, 0, 1)$

$62: P_{1986} = \mathbf{P}(0, \eta^{14}, 0, 1) = \mathbf{P}(0, 29, 0, 1)$

$63: P_{2018} = \mathbf{P}(0, \eta^{24}, 0, 1) = \mathbf{P}(0, 30, 0, 1)$

$64: P_{2050} = \mathbf{P}(0, \eta^{15}, 0, 1) = \mathbf{P}(0, 31, 0, 1)$

$65: P_{2082} = \mathbf{P}(0, 0, 1, 1) = \mathbf{P}(0, 0, 1, 1)$

$66: P_{2114} = \mathbf{P}(0, 1, 1, 1) = \mathbf{P}(0, 1, 1, 1)$

$67: P_{2145} = \mathbf{P}(0, \eta, 1, 1) = \mathbf{P}(0, 2, 1, 1)$

$68: P_{2177} = \mathbf{P}(0, \eta^{18}, 1, 1) = \mathbf{P}(0, 3, 1, 1)$

$69: P_{2209} = \mathbf{P}(0, \eta^2, 1, 1) = \mathbf{P}(0, 4, 1, 1)$

$70: P_{2241} = \mathbf{P}(0, \eta^5, 1, 1) = \mathbf{P}(0, 5, 1, 1)$

$71: P_{2273} = \mathbf{P}(0, \eta^{19}, 1, 1) = \mathbf{P}(0, 6, 1, 1)$

$72: P_{2305} = \mathbf{P}(0, \eta^{11}, 1, 1) = \mathbf{P}(0, 7, 1, 1)$

$73: P_{2337} = \mathbf{P}(0, \eta^3, 1, 1) = \mathbf{P}(0, 8, 1, 1)$

$74: P_{2369} = \mathbf{P}(0, \eta^{29}, 1, 1) = \mathbf{P}(0, 9, 1, 1)$

$75: P_{2401} = \mathbf{P}(0, \eta^6, 1, 1) = \mathbf{P}(0, 10, 1, 1)$

$76: P_{2433} = \mathbf{P}(0, \eta^{27}, 1, 1) = \mathbf{P}(0, 11, 1, 1)$

$77: P_{2465} = \mathbf{P}(0, \eta^{20}, 1, 1) = \mathbf{P}(0, 12, 1, 1)$

$78: P_{2497} = \mathbf{P}(0, \eta^8, 1, 1) = \mathbf{P}(0, 13, 1, 1)$

$79: P_{2529} = \mathbf{P}(0, \eta^{12}, 1, 1) = \mathbf{P}(0, 14, 1, 1)$

$80: P_{2561} = \mathbf{P}(0, \eta^{23}, 1, 1) = \mathbf{P}(0, 15, 1, 1)$

$81: P_{2593} = \mathbf{P}(0, \eta^4, 1, 1) = \mathbf{P}(0, 16, 1, 1)$

$82: P_{2625} = \mathbf{P}(0, \eta^{10}, 1, 1) = \mathbf{P}(0, 17, 1, 1)$

$83: P_{2657} = \mathbf{P}(0, \eta^{30}, 1, 1) = \mathbf{P}(0, 18, 1, 1)$

$84: P_{2689} = \mathbf{P}(0, \eta^{17}, 1, 1) = \mathbf{P}(0, 19, 1, 1)$

$85: P_{2721} = \mathbf{P}(0, \eta^7, 1, 1) = \mathbf{P}(0, 20, 1, 1)$

$86: P_{2753} = \mathbf{P}(0, \eta^{22}, 1, 1) = \mathbf{P}(0, 21, 1, 1)$

$87: P_{2785} = \mathbf{P}(0, \eta^{28}, 1, 1) = \mathbf{P}(0, 22, 1, 1)$

$88: P_{2817} = \mathbf{P}(0, \eta^{26}, 1, 1) = \mathbf{P}(0, 23, 1, 1)$

$89: P_{2849} = \mathbf{P}(0, \eta^{21}, 1, 1) = \mathbf{P}(0, 24, 1, 1)$

$90: P_{2881} = \mathbf{P}(0, \eta^{25}, 1, 1) = \mathbf{P}(0, 25, 1, 1)$

$91: P_{2913} = \mathbf{P}(0, \eta^9, 1, 1) = \mathbf{P}(0, 26, 1, 1)$

$92: P_{2945} = \mathbf{P}(0, \eta^{16}, 1, 1) = \mathbf{P}(0, 27, 1, 1)$

$93: P_{2977} = \mathbf{P}(0, \eta^{13}, 1, 1) = \mathbf{P}(0, 28, 1, 1)$

$94: P_{3009} = \mathbf{P}(0, \eta^{14}, 1, 1) = \mathbf{P}(0, 29, 1, 1)$

$95: P_{3041} = \mathbf{P}(0, \eta^{24}, 1, 1) = \mathbf{P}(0, 30, 1, 1)$

$96: P_{3073} = \mathbf{P}(0, \eta^{15}, 1, 1) = \mathbf{P}(0, 31, 1, 1)$

$97: P_{3105} = \mathbf{P}(0, 0, \eta, 1) = \mathbf{P}(0, 0, 2, 1)$

$98: P_{3137} = \mathbf{P}(0, 1, \eta, 1) = \mathbf{P}(0, 1, 2, 1)$

$99: P_{3169} = \mathbf{P}(0, \eta, \eta, 1) = \mathbf{P}(0, 2, 2, 1)$

$100: P_{3201} = \mathbf{P}(0, \eta^{18}, \eta, 1) = \mathbf{P}(0, 3, 2, 1)$

$101: P_{3233} = \mathbf{P}(0, \eta^2, \eta, 1) = \mathbf{P}(0, 4, 2, 1)$

$102: P_{3265} = \mathbf{P}(0, \eta^5, \eta, 1) = \mathbf{P}(0, 5, 2, 1)$

$103: P_{3297} = \mathbf{P}(0, \eta^{19}, \eta, 1) = \mathbf{P}(0, 6, 2, 1)$

$104: P_{3329} = \mathbf{P}(0, \eta^{11}, \eta, 1) = \mathbf{P}(0, 7, 2, 1)$

$105: P_{3361} = \mathbf{P}(0, \eta^3, \eta, 1) = \mathbf{P}(0, 8, 2, 1)$

$106: P_{3393} = \mathbf{P}(0, \eta^{29}, \eta, 1) = \mathbf{P}(0, 9, 2, 1)$

$107: P_{3425} = \mathbf{P}(0, \eta^6, \eta, 1) = \mathbf{P}(0, 10, 2, 1)$

$108: P_{3457} = \mathbf{P}(0, \eta^{27}, \eta, 1) = \mathbf{P}(0, 11, 2, 1)$

$109: P_{3489} = \mathbf{P}(0, \eta^{20}, \eta, 1) = \mathbf{P}(0, 12, 2, 1)$

$110: P_{3521} = \mathbf{P}(0, \eta^8, \eta, 1) = \mathbf{P}(0, 13, 2, 1)$

$111: P_{3553} = \mathbf{P}(0, \eta^{12}, \eta, 1) = \mathbf{P}(0, 14, 2, 1)$

$112: P_{3585} = \mathbf{P}(0, \eta^{23}, \eta, 1) = \mathbf{P}(0, 15, 2, 1)$

$113: P_{3617} = \mathbf{P}(0, \eta^4, \eta, 1) = \mathbf{P}(0, 16, 2, 1)$

$114: P_{3649} = \mathbf{P}(0, \eta^{10}, \eta, 1) = \mathbf{P}(0, 17, 2, 1)$

$115: P_{3681} = \mathbf{P}(0, \eta^{30}, \eta, 1) = \mathbf{P}(0, 18, 2, 1)$

$116: P_{3713} = \mathbf{P}(0, \eta^{17}, \eta, 1) = \mathbf{P}(0, 19, 2, 1)$

$117: P_{3745} = \mathbf{P}(0, \eta^7, \eta, 1) = \mathbf{P}(0, 20, 2, 1)$

$118: P_{3777} = \mathbf{P}(0, \eta^{22}, \eta, 1) = \mathbf{P}(0, 21, 2, 1)$

$119: P_{3809} = \mathbf{P}(0, \eta^{28}, \eta, 1) = \mathbf{P}(0, 22, 2, 1)$

$120: P_{3841} = \mathbf{P}(0, \eta^{26}, \eta, 1) = \mathbf{P}(0, 23, 2, 1)$

$121: P_{3873} = \mathbf{P}(0, \eta^{21}, \eta, 1) = \mathbf{P}(0, 24, 2, 1)$

$122: P_{3905} = \mathbf{P}(0, \eta^{25}, \eta, 1) = \mathbf{P}(0, 25, 2, 1)$

$123: P_{3937} = \mathbf{P}(0, \eta^9, \eta, 1) = \mathbf{P}(0, 26, 2, 1)$

$124: P_{3969} = \mathbf{P}(0, \eta^{16}, \eta, 1) = \mathbf{P}(0, 27, 2, 1)$

$125: P_{4001} = \mathbf{P}(0, \eta^{13}, \eta, 1) = \mathbf{P}(0, 28, 2, 1)$

$126: P_{4033} = \mathbf{P}(0, \eta^{14}, \eta, 1) = \mathbf{P}(0, 29, 2, 1)$

$127: P_{4065} = \mathbf{P}(0, \eta^{24}, \eta, 1) = \mathbf{P}(0, 30, 2, 1)$

$128: P_{4097} = \mathbf{P}(0, \eta^{15}, \eta, 1) = \mathbf{P}(0, 31, 2, 1)$

$129: P_{4129} = \mathbf{P}(0, 0, \eta^{18}, 1) = \mathbf{P}(0, 0, 3, 1)$

$130: P_{4161} = \mathbf{P}(0, 1, \eta^{18}, 1) = \mathbf{P}(0, 1, 3, 1)$

$131: P_{4193} = \mathbf{P}(0, \eta, \eta^{18}, 1) = \mathbf{P}(0, 2, 3, 1)$

$132: P_{4225} = \mathbf{P}(0, \eta^{18}, \eta^{18}, 1) = \mathbf{P}(0, 3, 3, 1)$

$133: P_{4257} = \mathbf{P}(0, \eta^{2}, \eta^{18}, 1) = \mathbf{P}(0, 4, 3, 1)$

$134: P_{4289} = \mathbf{P}(0, \eta^{5}, \eta^{18}, 1) = \mathbf{P}(0, 5, 3, 1)$

$135: P_{4321} = \mathbf{P}(0, \eta^{19}, \eta^{18}, 1) = \mathbf{P}(0, 6, 3, 1)$

$136: P_{4353} = \mathbf{P}(0, \eta^{11}, \eta^{18}, 1) = \mathbf{P}(0, 7, 3, 1)$

$137: P_{4385} = \mathbf{P}(0, \eta^{3}, \eta^{18}, 1) = \mathbf{P}(0, 8, 3, 1)$

$138: P_{4417} = \mathbf{P}(0, \eta^{29}, \eta^{18}, 1) = \mathbf{P}(0, 9, 3, 1)$

$139: P_{4449} = \mathbf{P}(0, \eta^{6}, \eta^{18}, 1) = \mathbf{P}(0, 10, 3, 1)$

$140: P_{4481} = \mathbf{P}(0, \eta^{27}, \eta^{18}, 1) = \mathbf{P}(0, 11, 3, 1)$

$141: P_{4513} = \mathbf{P}(0, \eta^{20}, \eta^{18}, 1) = \mathbf{P}(0, 12, 3, 1)$

$142: P_{4545} = \mathbf{P}(0, \eta^{8}, \eta^{18}, 1) = \mathbf{P}(0, 13, 3, 1)$

$143: P_{4577} = \mathbf{P}(0, \eta^{12}, \eta^{18}, 1) = \mathbf{P}(0, 14, 3, 1)$

$144: P_{4609} = \mathbf{P}(0, \eta^{23}, \eta^{18}, 1) = \mathbf{P}(0, 15, 3, 1)$

$145: P_{4641} = \mathbf{P}(0, \eta^{4}, \eta^{18}, 1) = \mathbf{P}(0, 16, 3, 1)$

$146: P_{4673} = \mathbf{P}(0, \eta^{10}, \eta^{18}, 1) = \mathbf{P}(0, 17, 3, 1)$

$147: P_{4705} = \mathbf{P}(0, \eta^{30}, \eta^{18}, 1) = \mathbf{P}(0, 18, 3, 1)$

$148: P_{4737} = \mathbf{P}(0, \eta^{17}, \eta^{18}, 1) = \mathbf{P}(0, 19, 3, 1)$

$149: P_{4769} = \mathbf{P}(0, \eta^{7}, \eta^{18}, 1) = \mathbf{P}(0, 20, 3, 1)$

$150: P_{4801} = \mathbf{P}(0, \eta^{22}, \eta^{18}, 1) = \mathbf{P}(0, 21, 3, 1)$

$151: P_{4833} = \mathbf{P}(0, \eta^{28}, \eta^{18}, 1) = \mathbf{P}(0, 22, 3, 1)$

$152: P_{4865} = \mathbf{P}(0, \eta^{26}, \eta^{18}, 1) = \mathbf{P}(0, 23, 3, 1)$

$153: P_{4897} = \mathbf{P}(0, \eta^{21}, \eta^{18}, 1) = \mathbf{P}(0, 24, 3, 1)$

$154: P_{4929} = \mathbf{P}(0, \eta^{25}, \eta^{18}, 1) = \mathbf{P}(0, 25, 3, 1)$

$155: P_{4961} = \mathbf{P}(0, \eta^{9}, \eta^{18}, 1) = \mathbf{P}(0, 26, 3, 1)$

$156: P_{4993} = \mathbf{P}(0, \eta^{16}, \eta^{18}, 1) = \mathbf{P}(0, 27, 3, 1)$

$157: P_{5025} = \mathbf{P}(0, \eta^{13}, \eta^{18}, 1) = \mathbf{P}(0, 28, 3, 1)$

$158: P_{5057} = \mathbf{P}(0, \eta^{14}, \eta^{18}, 1) = \mathbf{P}(0, 29, 3, 1)$

$159: P_{5089} = \mathbf{P}(0, \eta^{24}, \eta^{18}, 1) = \mathbf{P}(0, 30, 3, 1)$

$160: P_{5121} = \mathbf{P}(0, \eta^{15}, \eta^{18}, 1) = \mathbf{P}(0, 31, 3, 1)$

$161: P_{5153} = \mathbf{P}(0, 0, \eta^{2}, 1) = \mathbf{P}(0, 0, 4, 1)$

$162: P_{5185} = \mathbf{P}(0, 1, \eta^{2}, 1) = \mathbf{P}(0, 1, 4, 1)$

$163: P_{5217} = \mathbf{P}(0, \eta, \eta^{2}, 1) = \mathbf{P}(0, 2, 4, 1)$

$164: P_{5249} = \mathbf{P}(0, \eta^{18}, \eta^{2}, 1) = \mathbf{P}(0, 3, 4, 1)$

$165: P_{5281} = \mathbf{P}(0, \eta^{2}, \eta^{2}, 1) = \mathbf{P}(0, 4, 4, 1)$

$166: P_{5313} = \mathbf{P}(0, \eta^{5}, \eta^{2}, 1) = \mathbf{P}(0, 5, 4, 1)$

$167: P_{5345} = \mathbf{P}(0, \eta^{19}, \eta^{2}, 1) = \mathbf{P}(0, 6, 4, 1)$

$168: P_{5377} = \mathbf{P}(0, \eta^{11}, \eta^{2}, 1) = \mathbf{P}(0, 7, 4, 1)$

$169: P_{5409} = \mathbf{P}(0, \eta^{3}, \eta^{2}, 1) = \mathbf{P}(0, 8, 4, 1)$

$170: P_{5441} = \mathbf{P}(0, \eta^{29}, \eta^{2}, 1) = \mathbf{P}(0, 9, 4, 1)$

$171: P_{5473} = \mathbf{P}(0, \eta^{6}, \eta^{2}, 1) = \mathbf{P}(0, 10, 4, 1)$

$172: P_{5505} = \mathbf{P}(0, \eta^{27}, \eta^{2}, 1) = \mathbf{P}(0, 11, 4, 1)$

$173: P_{5537} = \mathbf{P}(0, \eta^{20}, \eta^{2}, 1) = \mathbf{P}(0, 12, 4, 1)$

$174: P_{5569} = \mathbf{P}(0, \eta^{8}, \eta^{2}, 1) = \mathbf{P}(0, 13, 4, 1)$

$175: P_{5601} = \mathbf{P}(0, \eta^{12}, \eta^{2}, 1) = \mathbf{P}(0, 14, 4, 1)$

$176: P_{5633} = \mathbf{P}(0, \eta^{23}, \eta^{2}, 1) = \mathbf{P}(0, 15, 4, 1)$

$177: P_{5665} = \mathbf{P}(0, \eta^{4}, \eta^{2}, 1) = \mathbf{P}(0, 16, 4, 1)$

$178: P_{5697} = \mathbf{P}(0, \eta^{10}, \eta^{2}, 1) = \mathbf{P}(0, 17, 4, 1)$

$179: P_{5729} = \mathbf{P}(0, \eta^{30}, \eta^{2}, 1) = \mathbf{P}(0, 18, 4, 1)$

$180: P_{5761} = \mathbf{P}(0, \eta^{17}, \eta^{2}, 1) = \mathbf{P}(0, 19, 4, 1)$

$181: P_{5793} = \mathbf{P}(0, \eta^{7}, \eta^{2}, 1) = \mathbf{P}(0, 20, 4, 1)$

$182: P_{5825} = \mathbf{P}(0, \eta^{22}, \eta^{2}, 1) = \mathbf{P}(0, 21, 4, 1)$

$183: P_{5857} = \mathbf{P}(0, \eta^{28}, \eta^{2}, 1) = \mathbf{P}(0, 22, 4, 1)$

$184: P_{5889} = \mathbf{P}(0, \eta^{26}, \eta^{2}, 1) = \mathbf{P}(0, 23, 4, 1)$

$185: P_{5921} = \mathbf{P}(0, \eta^{21}, \eta^{2}, 1) = \mathbf{P}(0, 24, 4, 1)$

$186: P_{5953} = \mathbf{P}(0, \eta^{25}, \eta^{2}, 1) = \mathbf{P}(0, 25, 4, 1)$

$187: P_{5985} = \mathbf{P}(0, \eta^{9}, \eta^{2}, 1) = \mathbf{P}(0, 26, 4, 1)$

$188: P_{6017} = \mathbf{P}(0, \eta^{16}, \eta^{2}, 1) = \mathbf{P}(0, 27, 4, 1)$

$189: P_{6049} = \mathbf{P}(0, \eta^{13}, \eta^{2}, 1) = \mathbf{P}(0, 28, 4, 1)$

$190: P_{6081} = \mathbf{P}(0, \eta^{14}, \eta^{2}, 1) = \mathbf{P}(0, 29, 4, 1)$

$191: P_{6113} = \mathbf{P}(0, \eta^{24}, \eta^{2}, 1) = \mathbf{P}(0, 30, 4, 1)$

$192: P_{6145} = \mathbf{P}(0, \eta^{15}, \eta^{2}, 1) = \mathbf{P}(0, 31, 4, 1)$

$193: P_{6177} = \mathbf{P}(0, 0, \eta^{5}, 1) = \mathbf{P}(0, 0, 5, 1)$

$194: P_{6209} = \mathbf{P}(0, 1, \eta^{5}, 1) = \mathbf{P}(0, 1, 5, 1)$

$195: P_{6241} = \mathbf{P}(0, \eta, \eta^{5}, 1) = \mathbf{P}(0, 2, 5, 1)$

$196: P_{6273} = \mathbf{P}(0, \eta^{18}, \eta^{5}, 1) = \mathbf{P}(0, 3, 5, 1)$

$197: P_{6305} = \mathbf{P}(0, \eta^{2}, \eta^{5}, 1) = \mathbf{P}(0, 4, 5, 1)$

$198: P_{6337} = \mathbf{P}(0, \eta^{5}, \eta^{5}, 1) = \mathbf{P}(0, 5, 5, 1)$

$199: P_{6369} = \mathbf{P}(0, \eta^{19}, \eta^{5}, 1) = \mathbf{P}(0, 6, 5, 1)$

$200: P_{6401} = \mathbf{P}(0, \eta^{11}, \eta^{5}, 1) = \mathbf{P}(0, 7, 5, 1)$

$201: P_{6433} = \mathbf{P}(0, \eta^{3}, \eta^{5}, 1) = \mathbf{P}(0, 8, 5, 1)$

$202: P_{6465} = \mathbf{P}(0, \eta^{29}, \eta^{5}, 1) = \mathbf{P}(0, 9, 5, 1)$

$203: P_{6497} = \mathbf{P}(0, \eta^{6}, \eta^{5}, 1) = \mathbf{P}(0, 10, 5, 1)$

$204: P_{6529} = \mathbf{P}(0, \eta^{27}, \eta^{5}, 1) = \mathbf{P}(0, 11, 5, 1)$

$205: P_{6561} = \mathbf{P}(0, \eta^{20}, \eta^{5}, 1) = \mathbf{P}(0, 12, 5, 1)$

$206: P_{6593} = \mathbf{P}(0, \eta^{8}, \eta^{5}, 1) = \mathbf{P}(0, 13, 5, 1)$

$207: P_{6625} = \mathbf{P}(0, \eta^{12}, \eta^{5}, 1) = \mathbf{P}(0, 14, 5, 1)$

$208: P_{6657} = \mathbf{P}(0, \eta^{23}, \eta^{5}, 1) = \mathbf{P}(0, 15, 5, 1)$

$209: P_{6689} = \mathbf{P}(0, \eta^{4}, \eta^{5}, 1) = \mathbf{P}(0, 16, 5, 1)$

$210: P_{6721} = \mathbf{P}(0, \eta^{10}, \eta^{5}, 1) = \mathbf{P}(0, 17, 5, 1)$

$211: P_{6753} = \mathbf{P}(0, \eta^{30}, \eta^{5}, 1) = \mathbf{P}(0, 18, 5, 1)$

$212: P_{6785} = \mathbf{P}(0, \eta^{17}, \eta^{5}, 1) = \mathbf{P}(0, 19, 5, 1)$

$213: P_{6817} = \mathbf{P}(0, \eta^{7}, \eta^{5}, 1) = \mathbf{P}(0, 20, 5, 1)$

$214: P_{6849} = \mathbf{P}(0, \eta^{22}, \eta^{5}, 1) = \mathbf{P}(0, 21, 5, 1)$

$215: P_{6881} = \mathbf{P}(0, \eta^{28}, \eta^{5}, 1) = \mathbf{P}(0, 22, 5, 1)$

$216: P_{6913} = \mathbf{P}(0, \eta^{26}, \eta^{5}, 1) = \mathbf{P}(0, 23, 5, 1)$

$217: P_{6945} = \mathbf{P}(0, \eta^{21}, \eta^{5}, 1) = \mathbf{P}(0, 24, 5, 1)$

$218: P_{6977} = \mathbf{P}(0, \eta^{25}, \eta^{5}, 1) = \mathbf{P}(0, 25, 5, 1)$

$219: P_{7009} = \mathbf{P}(0, \eta^{9}, \eta^{5}, 1) = \mathbf{P}(0, 26, 5, 1)$

$220: P_{7041} = \mathbf{P}(0, \eta^{16}, \eta^{5}, 1) = \mathbf{P}(0, 27, 5, 1)$

$221: P_{7073} = \mathbf{P}(0, \eta^{13}, \eta^{5}, 1) = \mathbf{P}(0, 28, 5, 1)$

$222: P_{7105} = \mathbf{P}(0, \eta^{14}, \eta^{5}, 1) = \mathbf{P}(0, 29, 5, 1)$

$223: P_{7137} = \mathbf{P}(0, \eta^{24}, \eta^{5}, 1) = \mathbf{P}(0, 30, 5, 1)$

$224: P_{7169} = \mathbf{P}(0, \eta^{15}, \eta^{5}, 1) = \mathbf{P}(0, 31, 5, 1)$

$225: P_{7201} = \mathbf{P}(0, 0, \eta^{19}, 1) = \mathbf{P}(0, 0, 6, 1)$

$226: P_{7233} = \mathbf{P}(0, 1, \eta^{19}, 1) = \mathbf{P}(0, 1, 6, 1)$

$227: P_{7265} = \mathbf{P}(0, \eta, \eta^{19}, 1) = \mathbf{P}(0, 2, 6, 1)$

$228: P_{7297} = \mathbf{P}(0, \eta^{18}, \eta^{19}, 1) = \mathbf{P}(0, 3, 6, 1)$

$229: P_{7329} = \mathbf{P}(0, \eta^{2}, \eta^{19}, 1) = \mathbf{P}(0, 4, 6, 1)$

$230: P_{7361} = \mathbf{P}(0, \eta^{5}, \eta^{19}, 1) = \mathbf{P}(0, 5, 6, 1)$

$231: P_{7393} = \mathbf{P}(0, \eta^{19}, \eta^{19}, 1) = \mathbf{P}(0, 6, 6, 1)$

$232: P_{7425} = \mathbf{P}(0, \eta^{11}, \eta^{19}, 1) = \mathbf{P}(0, 7, 6, 1)$

$233: P_{7457} = \mathbf{P}(0, \eta^{3}, \eta^{19}, 1) = \mathbf{P}(0, 8, 6, 1)$

$234: P_{7489} = \mathbf{P}(0, \eta^{29}, \eta^{19}, 1) = \mathbf{P}(0, 9, 6, 1)$

$235: P_{7521} = \mathbf{P}(0, \eta^6, \eta^{19}, 1) = \mathbf{P}(0, 10, 6, 1)$

$236: P_{7553} = \mathbf{P}(0, \eta^{27}, \eta^{19}, 1) = \mathbf{P}(0, 11, 6, 1)$

$237: P_{7585} = \mathbf{P}(0, \eta^{20}, \eta^{19}, 1) = \mathbf{P}(0, 12, 6, 1)$

$238: P_{7617} = \mathbf{P}(0, \eta^8, \eta^{19}, 1) = \mathbf{P}(0, 13, 6, 1)$

$239: P_{7649} = \mathbf{P}(0, \eta^{12}, \eta^{19}, 1) = \mathbf{P}(0, 14, 6, 1)$

$240: P_{7681} = \mathbf{P}(0, \eta^{23}, \eta^{19}, 1) = \mathbf{P}(0, 15, 6, 1)$

$241: P_{7713} = \mathbf{P}(0, \eta^4, \eta^{19}, 1) = \mathbf{P}(0, 16, 6, 1)$

$242: P_{7745} = \mathbf{P}(0, \eta^{10}, \eta^{19}, 1) = \mathbf{P}(0, 17, 6, 1)$

$243: P_{7777} = \mathbf{P}(0, \eta^{30}, \eta^{19}, 1) = \mathbf{P}(0, 18, 6, 1)$

$244: P_{7809} = \mathbf{P}(0, \eta^{17}, \eta^{19}, 1) = \mathbf{P}(0, 19, 6, 1)$

$245: P_{7841} = \mathbf{P}(0, \eta^7, \eta^{19}, 1) = \mathbf{P}(0, 20, 6, 1)$

$246: P_{7873} = \mathbf{P}(0, \eta^{22}, \eta^{19}, 1) = \mathbf{P}(0, 21, 6, 1)$

$247: P_{7905} = \mathbf{P}(0, \eta^{28}, \eta^{19}, 1) = \mathbf{P}(0, 22, 6, 1)$

$248: P_{7937} = \mathbf{P}(0, \eta^{26}, \eta^{19}, 1) = \mathbf{P}(0, 23, 6, 1)$

$249: P_{7969} = \mathbf{P}(0, \eta^{21}, \eta^{19}, 1) = \mathbf{P}(0, 24, 6, 1)$

$250: P_{8001} = \mathbf{P}(0, \eta^{25}, \eta^{19}, 1) = \mathbf{P}(0, 25, 6, 1)$

$251: P_{8033} = \mathbf{P}(0, \eta^9, \eta^{19}, 1) = \mathbf{P}(0, 26, 6, 1)$

$252: P_{8065} = \mathbf{P}(0, \eta^{16}, \eta^{19}, 1) = \mathbf{P}(0, 27, 6, 1)$

$253: P_{8097} = \mathbf{P}(0, \eta^{13}, \eta^{19}, 1) = \mathbf{P}(0, 28, 6, 1)$

$254: P_{8129} = \mathbf{P}(0, \eta^{14}, \eta^{19}, 1) = \mathbf{P}(0, 29, 6, 1)$

$255: P_{8161} = \mathbf{P}(0, \eta^{24}, \eta^{19}, 1) = \mathbf{P}(0, 30, 6, 1)$

$256: P_{8193} = \mathbf{P}(0, \eta^{15}, \eta^{19}, 1) = \mathbf{P}(0, 31, 6, 1)$

$257: P_{8225} = \mathbf{P}(0, 0, \eta^{11}, 1) = \mathbf{P}(0, 0, 7, 1)$

$258: P_{8257} = \mathbf{P}(0, 1, \eta^{11}, 1) = \mathbf{P}(0, 1, 7, 1)$

$259: P_{8289} = \mathbf{P}(0, \eta, \eta^{11}, 1) = \mathbf{P}(0, 2, 7, 1)$

$260: P_{8321} = \mathbf{P}(0, \eta^{18}, \eta^{11}, 1) = \mathbf{P}(0, 3, 7, 1)$

$261: P_{8353} = \mathbf{P}(0, \eta^2, \eta^{11}, 1) = \mathbf{P}(0, 4, 7, 1)$

$262: P_{8385} = \mathbf{P}(0, \eta^5, \eta^{11}, 1) = \mathbf{P}(0, 5, 7, 1)$

$263: P_{8417} = \mathbf{P}(0, \eta^{19}, \eta^{11}, 1) = \mathbf{P}(0, 6, 7, 1)$

$264: P_{8449} = \mathbf{P}(0, \eta^{11}, \eta^{11}, 1) = \mathbf{P}(0, 7, 7, 1)$

$265: P_{8481} = \mathbf{P}(0, \eta^3, \eta^{11}, 1) = \mathbf{P}(0, 8, 7, 1)$

$266: P_{8513} = \mathbf{P}(0, \eta^{29}, \eta^{11}, 1) = \mathbf{P}(0, 9, 7, 1)$

$267: P_{8545} = \mathbf{P}(0, \eta^6, \eta^{11}, 1) = \mathbf{P}(0, 10, 7, 1)$

$268: P_{8577} = \mathbf{P}(0, \eta^{27}, \eta^{11}, 1) = \mathbf{P}(0, 11, 7, 1)$

$269: P_{8609} = \mathbf{P}(0, \eta^{20}, \eta^{11}, 1) = \mathbf{P}(0, 12, 7, 1)$

$270: P_{8641} = \mathbf{P}(0, \eta^8, \eta^{11}, 1) = \mathbf{P}(0, 13, 7, 1)$

$271: P_{8673} = \mathbf{P}(0, \eta^{12}, \eta^{11}, 1) = \mathbf{P}(0, 14, 7, 1)$

$272: P_{8705} = \mathbf{P}(0, \eta^{23}, \eta^{11}, 1) = \mathbf{P}(0, 15, 7, 1)$

$273: P_{8737} = \mathbf{P}(0, \eta^4, \eta^{11}, 1) = \mathbf{P}(0, 16, 7, 1)$

$274: P_{8769} = \mathbf{P}(0, \eta^{10}, \eta^{11}, 1) = \mathbf{P}(0, 17, 7, 1)$

$275: P_{8801} = \mathbf{P}(0, \eta^{30}, \eta^{11}, 1) = \mathbf{P}(0, 18, 7, 1)$

$276: P_{8833} = \mathbf{P}(0, \eta^{17}, \eta^{11}, 1) = \mathbf{P}(0, 19, 7, 1)$

$277: P_{8865} = \mathbf{P}(0, \eta^7, \eta^{11}, 1) = \mathbf{P}(0, 20, 7, 1)$

$278: P_{8897} = \mathbf{P}(0, \eta^{22}, \eta^{11}, 1) = \mathbf{P}(0, 21, 7, 1)$

$279: P_{8929} = \mathbf{P}(0, \eta^{28}, \eta^{11}, 1) = \mathbf{P}(0, 22, 7, 1)$

$280: P_{8961} = \mathbf{P}(0, \eta^{26}, \eta^{11}, 1) = \mathbf{P}(0, 23, 7, 1)$

$281: P_{8993} = \mathbf{P}(0, \eta^{21}, \eta^{11}, 1) = \mathbf{P}(0, 24, 7, 1)$

$282: P_{9025} = \mathbf{P}(0, \eta^{25}, \eta^{11}, 1) = \mathbf{P}(0, 25, 7, 1)$

$283: P_{9057} = \mathbf{P}(0, \eta^9, \eta^{11}, 1) = \mathbf{P}(0, 26, 7, 1)$

$284: P_{9089} = \mathbf{P}(0, \eta^{16}, \eta^{11}, 1) = \mathbf{P}(0, 27, 7, 1)$

$285: P_{9121} = \mathbf{P}(0, \eta^{13}, \eta^{11}, 1) = \mathbf{P}(0, 28, 7, 1)$

$286: P_{9153} = \mathbf{P}(0, \eta^{14}, \eta^{11}, 1) = \mathbf{P}(0, 29, 7, 1)$

$287: P_{9185} = \mathbf{P}(0, \eta^{24}, \eta^{11}, 1) = \mathbf{P}(0, 30, 7, 1)$

$288: P_{9217} = \mathbf{P}(0, \eta^{15}, \eta^{11}, 1) = \mathbf{P}(0, 31, 7, 1)$

$289: P_{9249} = \mathbf{P}(0, 0, \eta^3, 1) = \mathbf{P}(0, 0, 8, 1)$

$290: P_{9281} = \mathbf{P}(0, 1, \eta^3, 1) = \mathbf{P}(0, 1, 8, 1)$

$291: P_{9313} = \mathbf{P}(0, \eta, \eta^3, 1) = \mathbf{P}(0, 2, 8, 1)$

$292: P_{9345} = \mathbf{P}(0, \eta^{18}, \eta^3, 1) = \mathbf{P}(0, 3, 8, 1)$

$293: P_{9377} = \mathbf{P}(0, \eta^2, \eta^3, 1) = \mathbf{P}(0, 4, 8, 1)$

$294: P_{9409} = \mathbf{P}(0, \eta^5, \eta^3, 1) = \mathbf{P}(0, 5, 8, 1)$

$295: P_{9441} = \mathbf{P}(0, \eta^{19}, \eta^3, 1) = \mathbf{P}(0, 6, 8, 1)$

$296: P_{9473} = \mathbf{P}(0, \eta^{11}, \eta^3, 1) = \mathbf{P}(0, 7, 8, 1)$

$297: P_{9505} = \mathbf{P}(0, \eta^3, \eta^3, 1) = \mathbf{P}(0, 8, 8, 1)$

$298: P_{9537} = \mathbf{P}(0, \eta^{29}, \eta^3, 1) = \mathbf{P}(0, 9, 8, 1)$

$299: P_{9569} = \mathbf{P}(0, \eta^6, \eta^3, 1) = \mathbf{P}(0, 10, 8, 1)$

$300: P_{9601} = \mathbf{P}(0, \eta^{27}, \eta^3, 1) = \mathbf{P}(0, 11, 8, 1)$

$301: P_{9633} = \mathbf{P}(0, \eta^{20}, \eta^3, 1) = \mathbf{P}(0, 12, 8, 1)$

$302: P_{9665} = \mathbf{P}(0, \eta^8, \eta^3, 1) = \mathbf{P}(0, 13, 8, 1)$

$303: P_{9697} = \mathbf{P}(0, \eta^{12}, \eta^3, 1) = \mathbf{P}(0, 14, 8, 1)$

$304: P_{9729} = \mathbf{P}(0, \eta^{23}, \eta^3, 1) = \mathbf{P}(0, 15, 8, 1)$

$305: P_{9761} = \mathbf{P}(0, \eta^4, \eta^3, 1) = \mathbf{P}(0, 16, 8, 1)$

$306: P_{9793} = \mathbf{P}(0, \eta^{10}, \eta^3, 1) = \mathbf{P}(0, 17, 8, 1)$

$307: P_{9825} = \mathbf{P}(0, \eta^{30}, \eta^3, 1) = \mathbf{P}(0, 18, 8, 1)$

$308: P_{9857} = \mathbf{P}(0, \eta^{17}, \eta^3, 1) = \mathbf{P}(0, 19, 8, 1)$

$309: P_{9889} = \mathbf{P}(0, \eta^7, \eta^3, 1) = \mathbf{P}(0, 20, 8, 1)$

$310: P_{9921} = \mathbf{P}(0, \eta^{22}, \eta^3, 1) = \mathbf{P}(0, 21, 8, 1)$

$311: P_{9953} = \mathbf{P}(0, \eta^{28}, \eta^3, 1) = \mathbf{P}(0, 22, 8, 1)$

$312: P_{9985} = \mathbf{P}(0, \eta^{26}, \eta^3, 1) = \mathbf{P}(0, 23, 8, 1)$

$313: P_{10017} = \mathbf{P}(0, \eta^{21}, \eta^3, 1) = \mathbf{P}(0, 24, 8, 1)$

$314: P_{10049} = \mathbf{P}(0, \eta^{25}, \eta^3, 1) = \mathbf{P}(0, 25, 8, 1)$

$315: P_{10081} = \mathbf{P}(0, \eta^9, \eta^3, 1) = \mathbf{P}(0, 26, 8, 1)$

$316: P_{10113} = \mathbf{P}(0, \eta^{16}, \eta^3, 1) = \mathbf{P}(0, 27, 8, 1)$

$317: P_{10145} = \mathbf{P}(0, \eta^{13}, \eta^3, 1) = \mathbf{P}(0, 28, 8, 1)$

$318: P_{10177} = \mathbf{P}(0, \eta^{14}, \eta^3, 1) = \mathbf{P}(0, 29, 8, 1)$

$319: P_{10209} = \mathbf{P}(0, \eta^{24}, \eta^3, 1) = \mathbf{P}(0, 30, 8, 1)$

$320: P_{10241} = \mathbf{P}(0, \eta^{15}, \eta^3, 1) = \mathbf{P}(0, 31, 8, 1)$

$321: P_{10273} = \mathbf{P}(0, 0, \eta^{29}, 1) = \mathbf{P}(0, 0, 9, 1)$

$322: P_{10305} = \mathbf{P}(0, 1, \eta^{29}, 1) = \mathbf{P}(0, 1, 9, 1)$

$323: P_{10337} = \mathbf{P}(0, \eta, \eta^{29}, 1) = \mathbf{P}(0, 2, 9, 1)$

$324: P_{10369} = \mathbf{P}(0, \eta^{18}, \eta^{29}, 1) = \mathbf{P}(0, 3, 9, 1)$

$325: P_{10401} = \mathbf{P}(0, \eta^2, \eta^{29}, 1) = \mathbf{P}(0, 4, 9, 1)$

$326: P_{10433} = \mathbf{P}(0, \eta^5, \eta^{29}, 1) = \mathbf{P}(0, 5, 9, 1)$

$327: P_{10465} = \mathbf{P}(0, \eta^{19}, \eta^{29}, 1) = \mathbf{P}(0, 6, 9, 1)$

$328: P_{10497} = \mathbf{P}(0, \eta^{11}, \eta^{29}, 1) = \mathbf{P}(0, 7, 9, 1)$

$329: P_{10529} = \mathbf{P}(0, \eta^3, \eta^{29}, 1) = \mathbf{P}(0, 8, 9, 1)$

$330: P_{10561} = \mathbf{P}(0, \eta^{29}, \eta^{29}, 1) = \mathbf{P}(0, 9, 9, 1)$

$331: P_{10593} = \mathbf{P}(0, \eta^6, \eta^{29}, 1) = \mathbf{P}(0, 10, 9, 1)$

$332: P_{10625} = \mathbf{P}(0, \eta^{27}, \eta^{29}, 1) = \mathbf{P}(0, 11, 9, 1)$

$333: P_{10657} = \mathbf{P}(0, \eta^{20}, \eta^{29}, 1) = \mathbf{P}(0, 12, 9, 1)$

$334: P_{10689} = \mathbf{P}(0, \eta^8, \eta^{29}, 1) = \mathbf{P}(0, 13, 9, 1)$

$335: P_{10721} = \mathbf{P}(0, \eta^{12}, \eta^{29}, 1) = \mathbf{P}(0, 14, 9, 1)$

$336: P_{10753} = \mathbf{P}(0, \eta^{23}, \eta^{29}, 1) = \mathbf{P}(0, 15, 9, 1)$

$337: P_{10785} = \mathbf{P}(0, \eta^4, \eta^{29}, 1) = \mathbf{P}(0, 16, 9, 1)$

$338: P_{10817} = \mathbf{P}(0, \eta^{10}, \eta^{29}, 1) = \mathbf{P}(0, 17, 9, 1)$

$339: P_{10849} = \mathbf{P}(0, \eta^{30}, \eta^{29}, 1) = \mathbf{P}(0, 18, 9, 1)$

$340: P_{10881} = \mathbf{P}(0, \eta^{17}, \eta^{29}, 1) = \mathbf{P}(0, 19, 9, 1)$

$341: P_{10913} = \mathbf{P}(0, \eta^7, \eta^{29}, 1) = \mathbf{P}(0, 20, 9, 1)$

$342:\ P_{10945} = \mathbf{P}(0,\eta^{22},\eta^{29},1) = \mathbf{P}(0,21,9,1)$

$343:\ P_{10977} = \mathbf{P}(0,\eta^{28},\eta^{29},1) = \mathbf{P}(0,22,9,1)$

$344:\ P_{11009} = \mathbf{P}(0,\eta^{26},\eta^{29},1) = \mathbf{P}(0,23,9,1)$

$345:\ P_{11041} = \mathbf{P}(0,\eta^{21},\eta^{29},1) = \mathbf{P}(0,24,9,1)$

$346:\ P_{11073} = \mathbf{P}(0,\eta^{25},\eta^{29},1) = \mathbf{P}(0,25,9,1)$

$347:\ P_{11105} = \mathbf{P}(0,\eta^{9},\eta^{29},1) = \mathbf{P}(0,26,9,1)$

$348:\ P_{11137} = \mathbf{P}(0,\eta^{16},\eta^{29},1) = \mathbf{P}(0,27,9,1)$

$349:\ P_{11169} = \mathbf{P}(0,\eta^{13},\eta^{29},1) = \mathbf{P}(0,28,9,1)$

$350:\ P_{11201} = \mathbf{P}(0,\eta^{14},\eta^{29},1) = \mathbf{P}(0,29,9,1)$

$351:\ P_{11233} = \mathbf{P}(0,\eta^{24},\eta^{29},1) = \mathbf{P}(0,30,9,1)$

$352:\ P_{11265} = \mathbf{P}(0,\eta^{15},\eta^{29},1) = \mathbf{P}(0,31,9,1)$

$353:\ P_{11297} = \mathbf{P}(0,0,\eta^{6},1) = \mathbf{P}(0,0,10,1)$

$354:\ P_{11329} = \mathbf{P}(0,1,\eta^{6},1) = \mathbf{P}(0,1,10,1)$

$355:\ P_{11361} = \mathbf{P}(0,\eta,\eta^{6},1) = \mathbf{P}(0,2,10,1)$

$356:\ P_{11393} = \mathbf{P}(0,\eta^{18},\eta^{6},1) = \mathbf{P}(0,3,10,1)$

$357:\ P_{11425} = \mathbf{P}(0,\eta^{2},\eta^{6},1) = \mathbf{P}(0,4,10,1)$

$358:\ P_{11457} = \mathbf{P}(0,\eta^{5},\eta^{6},1) = \mathbf{P}(0,5,10,1)$

$359:\ P_{11489} = \mathbf{P}(0,\eta^{19},\eta^{6},1) = \mathbf{P}(0,6,10,1)$

$360:\ P_{11521} = \mathbf{P}(0,\eta^{11},\eta^{6},1) = \mathbf{P}(0,7,10,1)$

$361:\ P_{11553} = \mathbf{P}(0,\eta^{3},\eta^{6},1) = \mathbf{P}(0,8,10,1)$

$362:\ P_{11585} = \mathbf{P}(0,\eta^{29},\eta^{6},1) = \mathbf{P}(0,9,10,1)$

$363:\ P_{11617} = \mathbf{P}(0,\eta^{6},\eta^{6},1) = \mathbf{P}(0,10,10,1)$

$364:\ P_{11649} = \mathbf{P}(0,\eta^{27},\eta^{6},1) = \mathbf{P}(0,11,10,1)$

$365:\ P_{11681} = \mathbf{P}(0,\eta^{20},\eta^{6},1) = \mathbf{P}(0,12,10,1)$

$366:\ P_{11713} = \mathbf{P}(0,\eta^{8},\eta^{6},1) = \mathbf{P}(0,13,10,1)$

$367:\ P_{11745} = \mathbf{P}(0,\eta^{12},\eta^{6},1) = \mathbf{P}(0,14,10,1)$

$368:\ P_{11777} = \mathbf{P}(0,\eta^{23},\eta^{6},1) = \mathbf{P}(0,15,10,1)$

$369:\ P_{11809} = \mathbf{P}(0,\eta^{4},\eta^{6},1) = \mathbf{P}(0,16,10,1)$

$370:\ P_{11841} = \mathbf{P}(0,\eta^{10},\eta^{6},1) = \mathbf{P}(0,17,10,1)$

$371:\ P_{11873} = \mathbf{P}(0,\eta^{30},\eta^{6},1) = \mathbf{P}(0,18,10,1)$

$372:\ P_{11905} = \mathbf{P}(0,\eta^{17},\eta^{6},1) = \mathbf{P}(0,19,10,1)$

$373:\ P_{11937} = \mathbf{P}(0,\eta^{7},\eta^{6},1) = \mathbf{P}(0,20,10,1)$

$374:\ P_{11969} = \mathbf{P}(0,\eta^{22},\eta^{6},1) = \mathbf{P}(0,21,10,1)$

$375:\ P_{12001} = \mathbf{P}(0,\eta^{28},\eta^{6},1) = \mathbf{P}(0,22,10,1)$

$376:\ P_{12033} = \mathbf{P}(0,\eta^{26},\eta^{6},1) = \mathbf{P}(0,23,10,1)$

$377:\ P_{12065} = \mathbf{P}(0,\eta^{21},\eta^{6},1) = \mathbf{P}(0,24,10,1)$

$378:\ P_{12097} = \mathbf{P}(0,\eta^{25},\eta^{6},1) = \mathbf{P}(0,25,10,1)$

$379:\ P_{12129} = \mathbf{P}(0,\eta^{9},\eta^{6},1) = \mathbf{P}(0,26,10,1)$

$380:\ P_{12161} = \mathbf{P}(0,\eta^{16},\eta^{6},1) = \mathbf{P}(0,27,10,1)$

$381:\ P_{12193} = \mathbf{P}(0,\eta^{13},\eta^{6},1) = \mathbf{P}(0,28,10,1)$

$382:\ P_{12225} = \mathbf{P}(0,\eta^{14},\eta^{6},1) = \mathbf{P}(0,29,10,1)$

$383:\ P_{12257} = \mathbf{P}(0,\eta^{24},\eta^{6},1) = \mathbf{P}(0,30,10,1)$

$384:\ P_{12289} = \mathbf{P}(0,\eta^{15},\eta^{6},1) = \mathbf{P}(0,31,10,1)$

$385:\ P_{12321} = \mathbf{P}(0,0,\eta^{27},1) = \mathbf{P}(0,0,11,1)$

$386:\ P_{12353} = \mathbf{P}(0,1,\eta^{27},1) = \mathbf{P}(0,1,11,1)$

$387:\ P_{12385} = \mathbf{P}(0,\eta,\eta^{27},1) = \mathbf{P}(0,2,11,1)$

$388:\ P_{12417} = \mathbf{P}(0,\eta^{18},\eta^{27},1) = \mathbf{P}(0,3,11,1)$

$389:\ P_{12449} = \mathbf{P}(0,\eta^{2},\eta^{27},1) = \mathbf{P}(0,4,11,1)$

$390:\ P_{12481} = \mathbf{P}(0,\eta^{5},\eta^{27},1) = \mathbf{P}(0,5,11,1)$

$391:\ P_{12513} = \mathbf{P}(0,\eta^{19},\eta^{27},1) = \mathbf{P}(0,6,11,1)$

$392:\ P_{12545} = \mathbf{P}(0,\eta^{11},\eta^{27},1) = \mathbf{P}(0,7,11,1)$

$393:\ P_{12577} = \mathbf{P}(0,\eta^{3},\eta^{27},1) = \mathbf{P}(0,8,11,1)$

$394:\ P_{12609} = \mathbf{P}(0,\eta^{29},\eta^{27},1) = \mathbf{P}(0,9,11,1)$

$395:\ P_{12641} = \mathbf{P}(0,\eta^{6},\eta^{27},1) = \mathbf{P}(0,10,11,1)$

$396:\ P_{12673} = \mathbf{P}(0,\eta^{27},\eta^{27},1) = \mathbf{P}(0,11,11,1)$

$397:\ P_{12705} = \mathbf{P}(0,\eta^{20},\eta^{27},1) = \mathbf{P}(0,12,11,1)$

$398:\ P_{12737} = \mathbf{P}(0,\eta^{8},\eta^{27},1) = \mathbf{P}(0,13,11,1)$

$399:\ P_{12769} = \mathbf{P}(0,\eta^{12},\eta^{27},1) = \mathbf{P}(0,14,11,1)$

$400:\ P_{12801} = \mathbf{P}(0,\eta^{23},\eta^{27},1) = \mathbf{P}(0,15,11,1)$

$401:\ P_{12833} = \mathbf{P}(0,\eta^{4},\eta^{27},1) = \mathbf{P}(0,16,11,1)$

$402:\ P_{12865} = \mathbf{P}(0,\eta^{10},\eta^{27},1) = \mathbf{P}(0,17,11,1)$

$403:\ P_{12897} = \mathbf{P}(0,\eta^{30},\eta^{27},1) = \mathbf{P}(0,18,11,1)$

$404:\ P_{12929} = \mathbf{P}(0,\eta^{17},\eta^{27},1) = \mathbf{P}(0,19,11,1)$

$405:\ P_{12961} = \mathbf{P}(0,\eta^{7},\eta^{27},1) = \mathbf{P}(0,20,11,1)$

$406:\ P_{12993} = \mathbf{P}(0,\eta^{22},\eta^{27},1) = \mathbf{P}(0,21,11,1)$

$407:\ P_{13025} = \mathbf{P}(0,\eta^{28},\eta^{27},1) = \mathbf{P}(0,22,11,1)$

$408:\ P_{13057} = \mathbf{P}(0,\eta^{26},\eta^{27},1) = \mathbf{P}(0,23,11,1)$

$409:\ P_{13089} = \mathbf{P}(0,\eta^{21},\eta^{27},1) = \mathbf{P}(0,24,11,1)$

$410:\ P_{13121} = \mathbf{P}(0,\eta^{25},\eta^{27},1) = \mathbf{P}(0,25,11,1)$

$411:\ P_{13153} = \mathbf{P}(0,\eta^{9},\eta^{27},1) = \mathbf{P}(0,26,11,1)$

$412:\ P_{13185} = \mathbf{P}(0,\eta^{16},\eta^{27},1) = \mathbf{P}(0,27,11,1)$

$413:\ P_{13217} = \mathbf{P}(0,\eta^{13},\eta^{27},1) = \mathbf{P}(0,28,11,1)$

$414:\ P_{13249} = \mathbf{P}(0,\eta^{14},\eta^{27},1) = \mathbf{P}(0,29,11,1)$

$415:\ P_{13281} = \mathbf{P}(0,\eta^{24},\eta^{27},1) = \mathbf{P}(0,30,11,1)$

$416:\ P_{13313} = \mathbf{P}(0,\eta^{15},\eta^{27},1) = \mathbf{P}(0,31,11,1)$

$417:\ P_{13345} = \mathbf{P}(0,0,\eta^{20},1) = \mathbf{P}(0,0,12,1)$

$418:\ P_{13377} = \mathbf{P}(0,1,\eta^{20},1) = \mathbf{P}(0,1,12,1)$

$419:\ P_{13409} = \mathbf{P}(0,\eta,\eta^{20},1) = \mathbf{P}(0,2,12,1)$

$420:\ P_{13441} = \mathbf{P}(0,\eta^{18},\eta^{20},1) = \mathbf{P}(0,3,12,1)$

$421:\ P_{13473} = \mathbf{P}(0,\eta^{2},\eta^{20},1) = \mathbf{P}(0,4,12,1)$

$422:\ P_{13505} = \mathbf{P}(0,\eta^{5},\eta^{20},1) = \mathbf{P}(0,5,12,1)$

$423:\ P_{13537} = \mathbf{P}(0,\eta^{19},\eta^{20},1) = \mathbf{P}(0,6,12,1)$

$424:\ P_{13569} = \mathbf{P}(0,\eta^{11},\eta^{20},1) = \mathbf{P}(0,7,12,1)$

$425:\ P_{13601} = \mathbf{P}(0,\eta^{3},\eta^{20},1) = \mathbf{P}(0,8,12,1)$

$426:\ P_{13633} = \mathbf{P}(0,\eta^{29},\eta^{20},1) = \mathbf{P}(0,9,12,1)$

$427:\ P_{13665} = \mathbf{P}(0,\eta^{6},\eta^{20},1) = \mathbf{P}(0,10,12,1)$

$428:\ P_{13697} = \mathbf{P}(0,\eta^{27},\eta^{20},1) = \mathbf{P}(0,11,12,1)$

$429:\ P_{13729} = \mathbf{P}(0,\eta^{20},\eta^{20},1) = \mathbf{P}(0,12,12,1)$

$430:\ P_{13761} = \mathbf{P}(0,\eta^{8},\eta^{20},1) = \mathbf{P}(0,13,12,1)$

$431:\ P_{13793} = \mathbf{P}(0,\eta^{12},\eta^{20},1) = \mathbf{P}(0,14,12,1)$

$432:\ P_{13825} = \mathbf{P}(0,\eta^{23},\eta^{20},1) = \mathbf{P}(0,15,12,1)$

$433:\ P_{13857} = \mathbf{P}(0,\eta^{4},\eta^{20},1) = \mathbf{P}(0,16,12,1)$

$434:\ P_{13889} = \mathbf{P}(0,\eta^{10},\eta^{20},1) = \mathbf{P}(0,17,12,1)$

$435:\ P_{13921} = \mathbf{P}(0,\eta^{30},\eta^{20},1) = \mathbf{P}(0,18,12,1)$

$436:\ P_{13953} = \mathbf{P}(0,\eta^{17},\eta^{20},1) = \mathbf{P}(0,19,12,1)$

$437:\ P_{13985} = \mathbf{P}(0,\eta^{7},\eta^{20},1) = \mathbf{P}(0,20,12,1)$

$438:\ P_{14017} = \mathbf{P}(0,\eta^{22},\eta^{20},1) = \mathbf{P}(0,21,12,1)$

$439:\ P_{14049} = \mathbf{P}(0,\eta^{28},\eta^{20},1) = \mathbf{P}(0,22,12,1)$

$440:\ P_{14081} = \mathbf{P}(0,\eta^{26},\eta^{20},1) = \mathbf{P}(0,23,12,1)$

$441:\ P_{14113} = \mathbf{P}(0,\eta^{21},\eta^{20},1) = \mathbf{P}(0,24,12,1)$

$442:\ P_{14145} = \mathbf{P}(0,\eta^{25},\eta^{20},1) = \mathbf{P}(0,25,12,1)$

$443:\ P_{14177} = \mathbf{P}(0,\eta^{9},\eta^{20},1) = \mathbf{P}(0,26,12,1)$

$444:\ P_{14209} = \mathbf{P}(0,\eta^{16},\eta^{20},1) = \mathbf{P}(0,27,12,1)$

$445:\ P_{14241} = \mathbf{P}(0,\eta^{13},\eta^{20},1) = \mathbf{P}(0,28,12,1)$

$446:\ P_{14273} = \mathbf{P}(0,\eta^{14},\eta^{20},1) = \mathbf{P}(0,29,12,1)$

$447:\ P_{14305} = \mathbf{P}(0,\eta^{24},\eta^{20},1) = \mathbf{P}(0,30,12,1)$

$448:\ P_{14337} = \mathbf{P}(0,\eta^{15},\eta^{20},1) = \mathbf{P}(0,31,12,1)$

$449:\ P_{14369} = \mathbf{P}(0,0,\eta^{8},1) = \mathbf{P}(0,0,13,1)$

$450: \ P_{14401} = \mathbf{P}(0,1,\eta^8,1) = \mathbf{P}(0,1,13,1)$

$451: \ P_{14433} = \mathbf{P}(0,\eta,\eta^8,1) = \mathbf{P}(0,2,13,1)$

$452: \ P_{14465} = \mathbf{P}(0,\eta^{18},\eta^8,1) = \mathbf{P}(0,3,13,1)$

$453: \ P_{14497} = \mathbf{P}(0,\eta^2,\eta^8,1) = \mathbf{P}(0,4,13,1)$

$454: \ P_{14529} = \mathbf{P}(0,\eta^5,\eta^8,1) = \mathbf{P}(0,5,13,1)$

$455: \ P_{14561} = \mathbf{P}(0,\eta^{19},\eta^8,1) = \mathbf{P}(0,6,13,1)$

$456: \ P_{14593} = \mathbf{P}(0,\eta^{11},\eta^8,1) = \mathbf{P}(0,7,13,1)$

$457: \ P_{14625} = \mathbf{P}(0,\eta^3,\eta^8,1) = \mathbf{P}(0,8,13,1)$

$458: \ P_{14657} = \mathbf{P}(0,\eta^{29},\eta^8,1) = \mathbf{P}(0,9,13,1)$

$459: \ P_{14689} = \mathbf{P}(0,\eta^6,\eta^8,1) = \mathbf{P}(0,10,13,1)$

$460: \ P_{14721} = \mathbf{P}(0,\eta^{27},\eta^8,1) = \mathbf{P}(0,11,13,1)$

$461: \ P_{14753} = \mathbf{P}(0,\eta^{20},\eta^8,1) = \mathbf{P}(0,12,13,1)$

$462: \ P_{14785} = \mathbf{P}(0,\eta^8,\eta^8,1) = \mathbf{P}(0,13,13,1)$

$463: \ P_{14817} = \mathbf{P}(0,\eta^{12},\eta^8,1) = \mathbf{P}(0,14,13,1)$

$464: \ P_{14849} = \mathbf{P}(0,\eta^{23},\eta^8,1) = \mathbf{P}(0,15,13,1)$

$465: \ P_{14881} = \mathbf{P}(0,\eta^4,\eta^8,1) = \mathbf{P}(0,16,13,1)$

$466: \ P_{14913} = \mathbf{P}(0,\eta^{10},\eta^8,1) = \mathbf{P}(0,17,13,1)$

$467: \ P_{14945} = \mathbf{P}(0,\eta^{30},\eta^8,1) = \mathbf{P}(0,18,13,1)$

$468: \ P_{14977} = \mathbf{P}(0,\eta^{17},\eta^8,1) = \mathbf{P}(0,19,13,1)$

$469: \ P_{15009} = \mathbf{P}(0,\eta^7,\eta^8,1) = \mathbf{P}(0,20,13,1)$

$470: \ P_{15041} = \mathbf{P}(0,\eta^{22},\eta^8,1) = \mathbf{P}(0,21,13,1)$

$471: \ P_{15073} = \mathbf{P}(0,\eta^{28},\eta^8,1) = \mathbf{P}(0,22,13,1)$

$472: \ P_{15105} = \mathbf{P}(0,\eta^{26},\eta^8,1) = \mathbf{P}(0,23,13,1)$

$473: \ P_{15137} = \mathbf{P}(0,\eta^{21},\eta^8,1) = \mathbf{P}(0,24,13,1)$

$474: \ P_{15169} = \mathbf{P}(0,\eta^{25},\eta^8,1) = \mathbf{P}(0,25,13,1)$

$475: \ P_{15201} = \mathbf{P}(0,\eta^9,\eta^8,1) = \mathbf{P}(0,26,13,1)$

$476: \ P_{15233} = \mathbf{P}(0,\eta^{16},\eta^8,1) = \mathbf{P}(0,27,13,1)$

$477: \ P_{15265} = \mathbf{P}(0,\eta^{13},\eta^8,1) = \mathbf{P}(0,28,13,1)$

$478: \ P_{15297} = \mathbf{P}(0,\eta^{14},\eta^8,1) = \mathbf{P}(0,29,13,1)$

$479: \ P_{15329} = \mathbf{P}(0,\eta^{24},\eta^8,1) = \mathbf{P}(0,30,13,1)$

$480: \ P_{15361} = \mathbf{P}(0,\eta^{15},\eta^8,1) = \mathbf{P}(0,31,13,1)$

$481: \ P_{15393} = \mathbf{P}(0,0,\eta^{12},1) = \mathbf{P}(0,0,14,1)$

$482: \ P_{15425} = \mathbf{P}(0,1,\eta^{12},1) = \mathbf{P}(0,1,14,1)$

$483: \ P_{15457} = \mathbf{P}(0,\eta,\eta^{12},1) = \mathbf{P}(0,2,14,1)$

$484: \ P_{15489} = \mathbf{P}(0,\eta^{18},\eta^{12},1) = \mathbf{P}(0,3,14,1)$

$485: \ P_{15521} = \mathbf{P}(0,\eta^2,\eta^{12},1) = \mathbf{P}(0,4,14,1)$

$486: \ P_{15553} = \mathbf{P}(0,\eta^5,\eta^{12},1) = \mathbf{P}(0,5,14,1)$

$487: \ P_{15585} = \mathbf{P}(0,\eta^{19},\eta^{12},1) = \mathbf{P}(0,6,14,1)$

$488: \ P_{15617} = \mathbf{P}(0,\eta^{11},\eta^{12},1) = \mathbf{P}(0,7,14,1)$

$489: \ P_{15649} = \mathbf{P}(0,\eta^3,\eta^{12},1) = \mathbf{P}(0,8,14,1)$

$490: \ P_{15681} = \mathbf{P}(0,\eta^{29},\eta^{12},1) = \mathbf{P}(0,9,14,1)$

$491: \ P_{15713} = \mathbf{P}(0,\eta^6,\eta^{12},1) = \mathbf{P}(0,10,14,1)$

$492: \ P_{15745} = \mathbf{P}(0,\eta^{27},\eta^{12},1) = \mathbf{P}(0,11,14,1)$

$493: \ P_{15777} = \mathbf{P}(0,\eta^{20},\eta^{12},1) = \mathbf{P}(0,12,14,1)$

$494: \ P_{15809} = \mathbf{P}(0,\eta^8,\eta^{12},1) = \mathbf{P}(0,13,14,1)$

$495: \ P_{15841} = \mathbf{P}(0,\eta^{12},\eta^{12},1) = \mathbf{P}(0,14,14,1)$

$496: \ P_{15873} = \mathbf{P}(0,\eta^{23},\eta^{12},1) = \mathbf{P}(0,15,14,1)$

$497: \ P_{15905} = \mathbf{P}(0,\eta^4,\eta^{12},1) = \mathbf{P}(0,16,14,1)$

$498: \ P_{15937} = \mathbf{P}(0,\eta^{10},\eta^{12},1) = \mathbf{P}(0,17,14,1)$

$499: \ P_{15969} = \mathbf{P}(0,\eta^{30},\eta^{12},1) = \mathbf{P}(0,18,14,1)$

$500: \ P_{16001} = \mathbf{P}(0,\eta^{17},\eta^{12},1) = \mathbf{P}(0,19,14,1)$

$501: \ P_{16033} = \mathbf{P}(0,\eta^7,\eta^{12},1) = \mathbf{P}(0,20,14,1)$

$502: \ P_{16065} = \mathbf{P}(0,\eta^{22},\eta^{12},1) = \mathbf{P}(0,21,14,1)$

$503: \ P_{16097} = \mathbf{P}(0,\eta^{28},\eta^{12},1) = \mathbf{P}(0,22,14,1)$

$504: \ P_{16129} = \mathbf{P}(0,\eta^{26},\eta^{12},1) = \mathbf{P}(0,23,14,1)$

$505: \ P_{16161} = \mathbf{P}(0,\eta^{21},\eta^{12},1) = \mathbf{P}(0,24,14,1)$

$506: \ P_{16193} = \mathbf{P}(0,\eta^{25},\eta^{12},1) = \mathbf{P}(0,25,14,1)$

$507: \ P_{16225} = \mathbf{P}(0,\eta^9,\eta^{12},1) = \mathbf{P}(0,26,14,1)$

$508: \ P_{16257} = \mathbf{P}(0,\eta^{16},\eta^{12},1) = \mathbf{P}(0,27,14,1)$

$509: \ P_{16289} = \mathbf{P}(0,\eta^{13},\eta^{12},1) = \mathbf{P}(0,28,14,1)$

$510: \ P_{16321} = \mathbf{P}(0,\eta^{14},\eta^{12},1) = \mathbf{P}(0,29,14,1)$

$511: \ P_{16353} = \mathbf{P}(0,\eta^{24},\eta^{12},1) = \mathbf{P}(0,30,14,1)$

$512: \ P_{16385} = \mathbf{P}(0,\eta^{15},\eta^{12},1) = \mathbf{P}(0,31,14,1)$

$513: \ P_{16417} = \mathbf{P}(0,0,\eta^{23},1) = \mathbf{P}(0,0,15,1)$

$514: \ P_{16449} = \mathbf{P}(0,1,\eta^{23},1) = \mathbf{P}(0,1,15,1)$

$515: \ P_{16481} = \mathbf{P}(0,\eta,\eta^{23},1) = \mathbf{P}(0,2,15,1)$

$516: \ P_{16513} = \mathbf{P}(0,\eta^{18},\eta^{23},1) = \mathbf{P}(0,3,15,1)$

$517: \ P_{16545} = \mathbf{P}(0,\eta^2,\eta^{23},1) = \mathbf{P}(0,4,15,1)$

$518: \ P_{16577} = \mathbf{P}(0,\eta^5,\eta^{23},1) = \mathbf{P}(0,5,15,1)$

$519: \ P_{16609} = \mathbf{P}(0,\eta^{19},\eta^{23},1) = \mathbf{P}(0,6,15,1)$

$520: \ P_{16641} = \mathbf{P}(0,\eta^{11},\eta^{23},1) = \mathbf{P}(0,7,15,1)$

$521: \ P_{16673} = \mathbf{P}(0,\eta^3,\eta^{23},1) = \mathbf{P}(0,8,15,1)$

$522: \ P_{16705} = \mathbf{P}(0,\eta^{29},\eta^{23},1) = \mathbf{P}(0,9,15,1)$

$523: \ P_{16737} = \mathbf{P}(0,\eta^6,\eta^{23},1) = \mathbf{P}(0,10,15,1)$

$524: \ P_{16769} = \mathbf{P}(0,\eta^{27},\eta^{23},1) = \mathbf{P}(0,11,15,1)$

$525: \ P_{16801} = \mathbf{P}(0,\eta^{20},\eta^{23},1) = \mathbf{P}(0,12,15,1)$

$526: \ P_{16833} = \mathbf{P}(0,\eta^8,\eta^{23},1) = \mathbf{P}(0,13,15,1)$

$527: \ P_{16865} = \mathbf{P}(0,\eta^{12},\eta^{23},1) = \mathbf{P}(0,14,15,1)$

$528: \ P_{16897} = \mathbf{P}(0,\eta^{23},\eta^{23},1) = \mathbf{P}(0,15,15,1)$

$529: \ P_{16929} = \mathbf{P}(0,\eta^4,\eta^{23},1) = \mathbf{P}(0,16,15,1)$

$530: \ P_{16961} = \mathbf{P}(0,\eta^{10},\eta^{23},1) = \mathbf{P}(0,17,15,1)$

$531: \ P_{16993} = \mathbf{P}(0,\eta^{30},\eta^{23},1) = \mathbf{P}(0,18,15,1)$

$532: \ P_{17025} = \mathbf{P}(0,\eta^{17},\eta^{23},1) = \mathbf{P}(0,19,15,1)$

$533: \ P_{17057} = \mathbf{P}(0,\eta^7,\eta^{23},1) = \mathbf{P}(0,20,15,1)$

$534: \ P_{17089} = \mathbf{P}(0,\eta^{22},\eta^{23},1) = \mathbf{P}(0,21,15,1)$

$535: \ P_{17121} = \mathbf{P}(0,\eta^{28},\eta^{23},1) = \mathbf{P}(0,22,15,1)$

$536: \ P_{17153} = \mathbf{P}(0,\eta^{26},\eta^{23},1) = \mathbf{P}(0,23,15,1)$

$537: \ P_{17185} = \mathbf{P}(0,\eta^{21},\eta^{23},1) = \mathbf{P}(0,24,15,1)$

$538: \ P_{17217} = \mathbf{P}(0,\eta^{25},\eta^{23},1) = \mathbf{P}(0,25,15,1)$

$539: \ P_{17249} = \mathbf{P}(0,\eta^9,\eta^{23},1) = \mathbf{P}(0,26,15,1)$

$540: \ P_{17281} = \mathbf{P}(0,\eta^{16},\eta^{23},1) = \mathbf{P}(0,27,15,1)$

$541: \ P_{17313} = \mathbf{P}(0,\eta^{13},\eta^{23},1) = \mathbf{P}(0,28,15,1)$

$542: \ P_{17345} = \mathbf{P}(0,\eta^{14},\eta^{23},1) = \mathbf{P}(0,29,15,1)$

$543: \ P_{17377} = \mathbf{P}(0,\eta^{24},\eta^{23},1) = \mathbf{P}(0,30,15,1)$

$544: \ P_{17409} = \mathbf{P}(0,\eta^{15},\eta^{23},1) = \mathbf{P}(0,31,15,1)$

$545: \ P_{17441} = \mathbf{P}(0,0,\eta^4,1) = \mathbf{P}(0,0,16,1)$

$546: \ P_{17473} = \mathbf{P}(0,1,\eta^4,1) = \mathbf{P}(0,1,16,1)$

$547: \ P_{17505} = \mathbf{P}(0,\eta,\eta^4,1) = \mathbf{P}(0,2,16,1)$

$548: \ P_{17537} = \mathbf{P}(0,\eta^{18},\eta^4,1) = \mathbf{P}(0,3,16,1)$

$549: \ P_{17569} = \mathbf{P}(0,\eta^2,\eta^4,1) = \mathbf{P}(0,4,16,1)$

$550: \ P_{17601} = \mathbf{P}(0,\eta^5,\eta^4,1) = \mathbf{P}(0,5,16,1)$

$551: \ P_{17633} = \mathbf{P}(0,\eta^{19},\eta^4,1) = \mathbf{P}(0,6,16,1)$

$552: \ P_{17665} = \mathbf{P}(0,\eta^{11},\eta^4,1) = \mathbf{P}(0,7,16,1)$

$553: \ P_{17697} = \mathbf{P}(0,\eta^3,\eta^4,1) = \mathbf{P}(0,8,16,1)$

$554: \ P_{17729} = \mathbf{P}(0,\eta^{29},\eta^4,1) = \mathbf{P}(0,9,16,1)$

$555: \ P_{17761} = \mathbf{P}(0,\eta^6,\eta^4,1) = \mathbf{P}(0,10,16,1)$

$556: \ P_{17793} = \mathbf{P}(0,\eta^{27},\eta^4,1) = \mathbf{P}(0,11,16,1)$

$557: \ P_{17825} = \mathbf{P}(0,\eta^{20},\eta^4,1) = \mathbf{P}(0,12,16,1)$

$558: P_{17857} = \mathbf{P}(0, \eta^8, \eta^4, 1) = \mathbf{P}(0, 13, 16, 1)$

$559: P_{17889} = \mathbf{P}(0, \eta^{12}, \eta^4, 1) = \mathbf{P}(0, 14, 16, 1)$

$560: P_{17921} = \mathbf{P}(0, \eta^{23}, \eta^4, 1) = \mathbf{P}(0, 15, 16, 1)$

$561: P_{17953} = \mathbf{P}(0, \eta^4, \eta^4, 1) = \mathbf{P}(0, 16, 16, 1)$

$562: P_{17985} = \mathbf{P}(0, \eta^{10}, \eta^4, 1) = \mathbf{P}(0, 17, 16, 1)$

$563: P_{18017} = \mathbf{P}(0, \eta^{30}, \eta^4, 1) = \mathbf{P}(0, 18, 16, 1)$

$564: P_{18049} = \mathbf{P}(0, \eta^{17}, \eta^4, 1) = \mathbf{P}(0, 19, 16, 1)$

$565: P_{18081} = \mathbf{P}(0, \eta^7, \eta^4, 1) = \mathbf{P}(0, 20, 16, 1)$

$566: P_{18113} = \mathbf{P}(0, \eta^{22}, \eta^4, 1) = \mathbf{P}(0, 21, 16, 1)$

$567: P_{18145} = \mathbf{P}(0, \eta^{28}, \eta^4, 1) = \mathbf{P}(0, 22, 16, 1)$

$568: P_{18177} = \mathbf{P}(0, \eta^{26}, \eta^4, 1) = \mathbf{P}(0, 23, 16, 1)$

$569: P_{18209} = \mathbf{P}(0, \eta^{21}, \eta^4, 1) = \mathbf{P}(0, 24, 16, 1)$

$570: P_{18241} = \mathbf{P}(0, \eta^{25}, \eta^4, 1) = \mathbf{P}(0, 25, 16, 1)$

$571: P_{18273} = \mathbf{P}(0, \eta^9, \eta^4, 1) = \mathbf{P}(0, 26, 16, 1)$

$572: P_{18305} = \mathbf{P}(0, \eta^{16}, \eta^4, 1) = \mathbf{P}(0, 27, 16, 1)$

$573: P_{18337} = \mathbf{P}(0, \eta^{13}, \eta^4, 1) = \mathbf{P}(0, 28, 16, 1)$

$574: P_{18369} = \mathbf{P}(0, \eta^{14}, \eta^4, 1) = \mathbf{P}(0, 29, 16, 1)$

$575: P_{18401} = \mathbf{P}(0, \eta^{24}, \eta^4, 1) = \mathbf{P}(0, 30, 16, 1)$

$576: P_{18433} = \mathbf{P}(0, \eta^{15}, \eta^4, 1) = \mathbf{P}(0, 31, 16, 1)$

$577: P_{18465} = \mathbf{P}(0, 0, \eta^{10}, 1) = \mathbf{P}(0, 0, 17, 1)$

$578: P_{18497} = \mathbf{P}(0, 1, \eta^{10}, 1) = \mathbf{P}(0, 1, 17, 1)$

$579: P_{18529} = \mathbf{P}(0, \eta, \eta^{10}, 1) = \mathbf{P}(0, 2, 17, 1)$

$580: P_{18561} = \mathbf{P}(0, \eta^{18}, \eta^{10}, 1) = \mathbf{P}(0, 3, 17, 1)$

$581: P_{18593} = \mathbf{P}(0, \eta^2, \eta^{10}, 1) = \mathbf{P}(0, 4, 17, 1)$

$582: P_{18625} = \mathbf{P}(0, \eta^5, \eta^{10}, 1) = \mathbf{P}(0, 5, 17, 1)$

$583: P_{18657} = \mathbf{P}(0, \eta^{19}, \eta^{10}, 1) = \mathbf{P}(0, 6, 17, 1)$

$584: P_{18689} = \mathbf{P}(0, \eta^{11}, \eta^{10}, 1) = \mathbf{P}(0, 7, 17, 1)$

$585: P_{18721} = \mathbf{P}(0, \eta^3, \eta^{10}, 1) = \mathbf{P}(0, 8, 17, 1)$

$586: P_{18753} = \mathbf{P}(0, \eta^{29}, \eta^{10}, 1) = \mathbf{P}(0, 9, 17, 1)$

$587: P_{18785} = \mathbf{P}(0, \eta^6, \eta^{10}, 1) = \mathbf{P}(0, 10, 17, 1)$

$588: P_{18817} = \mathbf{P}(0, \eta^{27}, \eta^{10}, 1) = \mathbf{P}(0, 11, 17, 1)$

$589: P_{18849} = \mathbf{P}(0, \eta^{20}, \eta^{10}, 1) = \mathbf{P}(0, 12, 17, 1)$

$590: P_{18881} = \mathbf{P}(0, \eta^8, \eta^{10}, 1) = \mathbf{P}(0, 13, 17, 1)$

$591: P_{18913} = \mathbf{P}(0, \eta^{12}, \eta^{10}, 1) = \mathbf{P}(0, 14, 17, 1)$

$592: P_{18945} = \mathbf{P}(0, \eta^{23}, \eta^{10}, 1) = \mathbf{P}(0, 15, 17, 1)$

$593: P_{18977} = \mathbf{P}(0, \eta^4, \eta^{10}, 1) = \mathbf{P}(0, 16, 17, 1)$

$594: P_{19009} = \mathbf{P}(0, \eta^{10}, \eta^{10}, 1) = \mathbf{P}(0, 17, 17, 1)$

$595: P_{19041} = \mathbf{P}(0, \eta^{30}, \eta^{10}, 1) = \mathbf{P}(0, 18, 17, 1)$

$596: P_{19073} = \mathbf{P}(0, \eta^{17}, \eta^{10}, 1) = \mathbf{P}(0, 19, 17, 1)$

$597: P_{19105} = \mathbf{P}(0, \eta^7, \eta^{10}, 1) = \mathbf{P}(0, 20, 17, 1)$

$598: P_{19137} = \mathbf{P}(0, \eta^{22}, \eta^{10}, 1) = \mathbf{P}(0, 21, 17, 1)$

$599: P_{19169} = \mathbf{P}(0, \eta^{28}, \eta^{10}, 1) = \mathbf{P}(0, 22, 17, 1)$

$600: P_{19201} = \mathbf{P}(0, \eta^{26}, \eta^{10}, 1) = \mathbf{P}(0, 23, 17, 1)$

$601: P_{19233} = \mathbf{P}(0, \eta^{21}, \eta^{10}, 1) = \mathbf{P}(0, 24, 17, 1)$

$602: P_{19265} = \mathbf{P}(0, \eta^{25}, \eta^{10}, 1) = \mathbf{P}(0, 25, 17, 1)$

$603: P_{19297} = \mathbf{P}(0, \eta^9, \eta^{10}, 1) = \mathbf{P}(0, 26, 17, 1)$

$604: P_{19329} = \mathbf{P}(0, \eta^{16}, \eta^{10}, 1) = \mathbf{P}(0, 27, 17, 1)$

$605: P_{19361} = \mathbf{P}(0, \eta^{13}, \eta^{10}, 1) = \mathbf{P}(0, 28, 17, 1)$

$606: P_{19393} = \mathbf{P}(0, \eta^{14}, \eta^{10}, 1) = \mathbf{P}(0, 29, 17, 1)$

$607: P_{19425} = \mathbf{P}(0, \eta^{24}, \eta^{10}, 1) = \mathbf{P}(0, 30, 17, 1)$

$608: P_{19457} = \mathbf{P}(0, \eta^{15}, \eta^{10}, 1) = \mathbf{P}(0, 31, 17, 1)$

$609: P_{19489} = \mathbf{P}(0, 0, \eta^{30}, 1) = \mathbf{P}(0, 0, 18, 1)$

$610: P_{19521} = \mathbf{P}(0, 1, \eta^{30}, 1) = \mathbf{P}(0, 1, 18, 1)$

$611: P_{19553} = \mathbf{P}(0, \eta, \eta^{30}, 1) = \mathbf{P}(0, 2, 18, 1)$

$612: P_{19585} = \mathbf{P}(0, \eta^{18}, \eta^{30}, 1) = \mathbf{P}(0, 3, 18, 1)$

$613: P_{19617} = \mathbf{P}(0, \eta^2, \eta^{30}, 1) = \mathbf{P}(0, 4, 18, 1)$

$614: P_{19649} = \mathbf{P}(0, \eta^5, \eta^{30}, 1) = \mathbf{P}(0, 5, 18, 1)$

$615: P_{19681} = \mathbf{P}(0, \eta^{19}, \eta^{30}, 1) = \mathbf{P}(0, 6, 18, 1)$

$616: P_{19713} = \mathbf{P}(0, \eta^{11}, \eta^{30}, 1) = \mathbf{P}(0, 7, 18, 1)$

$617: P_{19745} = \mathbf{P}(0, \eta^3, \eta^{30}, 1) = \mathbf{P}(0, 8, 18, 1)$

$618: P_{19777} = \mathbf{P}(0, \eta^{29}, \eta^{30}, 1) = \mathbf{P}(0, 9, 18, 1)$

$619: P_{19809} = \mathbf{P}(0, \eta^6, \eta^{30}, 1) = \mathbf{P}(0, 10, 18, 1)$

$620: P_{19841} = \mathbf{P}(0, \eta^{27}, \eta^{30}, 1) = \mathbf{P}(0, 11, 18, 1)$

$621: P_{19873} = \mathbf{P}(0, \eta^{20}, \eta^{30}, 1) = \mathbf{P}(0, 12, 18, 1)$

$622: P_{19905} = \mathbf{P}(0, \eta^8, \eta^{30}, 1) = \mathbf{P}(0, 13, 18, 1)$

$623: P_{19937} = \mathbf{P}(0, \eta^{12}, \eta^{30}, 1) = \mathbf{P}(0, 14, 18, 1)$

$624: P_{19969} = \mathbf{P}(0, \eta^{23}, \eta^{30}, 1) = \mathbf{P}(0, 15, 18, 1)$

$625: P_{20001} = \mathbf{P}(0, \eta^4, \eta^{30}, 1) = \mathbf{P}(0, 16, 18, 1)$

$626: P_{20033} = \mathbf{P}(0, \eta^{10}, \eta^{30}, 1) = \mathbf{P}(0, 17, 18, 1)$

$627: P_{20065} = \mathbf{P}(0, \eta^{30}, \eta^{30}, 1) = \mathbf{P}(0, 18, 18, 1)$

$628: P_{20097} = \mathbf{P}(0, \eta^{17}, \eta^{30}, 1) = \mathbf{P}(0, 19, 18, 1)$

$629: P_{20129} = \mathbf{P}(0, \eta^7, \eta^{30}, 1) = \mathbf{P}(0, 20, 18, 1)$

$630: P_{20161} = \mathbf{P}(0, \eta^{22}, \eta^{30}, 1) = \mathbf{P}(0, 21, 18, 1)$

$631: P_{20193} = \mathbf{P}(0, \eta^{28}, \eta^{30}, 1) = \mathbf{P}(0, 22, 18, 1)$

$632: P_{20225} = \mathbf{P}(0, \eta^{26}, \eta^{30}, 1) = \mathbf{P}(0, 23, 18, 1)$

$633: P_{20257} = \mathbf{P}(0, \eta^{21}, \eta^{30}, 1) = \mathbf{P}(0, 24, 18, 1)$

$634: P_{20289} = \mathbf{P}(0, \eta^{25}, \eta^{30}, 1) = \mathbf{P}(0, 25, 18, 1)$

$635: P_{20321} = \mathbf{P}(0, \eta^9, \eta^{30}, 1) = \mathbf{P}(0, 26, 18, 1)$

$636: P_{20353} = \mathbf{P}(0, \eta^{16}, \eta^{30}, 1) = \mathbf{P}(0, 27, 18, 1)$

$637: P_{20385} = \mathbf{P}(0, \eta^{13}, \eta^{30}, 1) = \mathbf{P}(0, 28, 18, 1)$

$638: P_{20417} = \mathbf{P}(0, \eta^{14}, \eta^{30}, 1) = \mathbf{P}(0, 29, 18, 1)$

$639: P_{20449} = \mathbf{P}(0, \eta^{24}, \eta^{30}, 1) = \mathbf{P}(0, 30, 18, 1)$

$640: P_{20481} = \mathbf{P}(0, \eta^{15}, \eta^{30}, 1) = \mathbf{P}(0, 31, 18, 1)$

$641: P_{20513} = \mathbf{P}(0, 0, \eta^{17}, 1) = \mathbf{P}(0, 0, 19, 1)$

$642: P_{20545} = \mathbf{P}(0, 1, \eta^{17}, 1) = \mathbf{P}(0, 1, 19, 1)$

$643: P_{20577} = \mathbf{P}(0, \eta, \eta^{17}, 1) = \mathbf{P}(0, 2, 19, 1)$

$644: P_{20609} = \mathbf{P}(0, \eta^{18}, \eta^{17}, 1) = \mathbf{P}(0, 3, 19, 1)$

$645: P_{20641} = \mathbf{P}(0, \eta^2, \eta^{17}, 1) = \mathbf{P}(0, 4, 19, 1)$

$646: P_{20673} = \mathbf{P}(0, \eta^5, \eta^{17}, 1) = \mathbf{P}(0, 5, 19, 1)$

$647: P_{20705} = \mathbf{P}(0, \eta^{19}, \eta^{17}, 1) = \mathbf{P}(0, 6, 19, 1)$

$648: P_{20737} = \mathbf{P}(0, \eta^{11}, \eta^{17}, 1) = \mathbf{P}(0, 7, 19, 1)$

$649: P_{20769} = \mathbf{P}(0, \eta^3, \eta^{17}, 1) = \mathbf{P}(0, 8, 19, 1)$

$650: P_{20801} = \mathbf{P}(0, \eta^{29}, \eta^{17}, 1) = \mathbf{P}(0, 9, 19, 1)$

$651: P_{20833} = \mathbf{P}(0, \eta^6, \eta^{17}, 1) = \mathbf{P}(0, 10, 19, 1)$

$652: P_{20865} = \mathbf{P}(0, \eta^{27}, \eta^{17}, 1) = \mathbf{P}(0, 11, 19, 1)$

$653: P_{20897} = \mathbf{P}(0, \eta^{20}, \eta^{17}, 1) = \mathbf{P}(0, 12, 19, 1)$

$654: P_{20929} = \mathbf{P}(0, \eta^8, \eta^{17}, 1) = \mathbf{P}(0, 13, 19, 1)$

$655: P_{20961} = \mathbf{P}(0, \eta^{12}, \eta^{17}, 1) = \mathbf{P}(0, 14, 19, 1)$

$656: P_{20993} = \mathbf{P}(0, \eta^{23}, \eta^{17}, 1) = \mathbf{P}(0, 15, 19, 1)$

$657: P_{21025} = \mathbf{P}(0, \eta^4, \eta^{17}, 1) = \mathbf{P}(0, 16, 19, 1)$

$658: P_{21057} = \mathbf{P}(0, \eta^{10}, \eta^{17}, 1) = \mathbf{P}(0, 17, 19, 1)$

$659: P_{21089} = \mathbf{P}(0, \eta^{30}, \eta^{17}, 1) = \mathbf{P}(0, 18, 19, 1)$

$660: P_{21121} = \mathbf{P}(0, \eta^{17}, \eta^{17}, 1) = \mathbf{P}(0, 19, 19, 1)$

$661: P_{21153} = \mathbf{P}(0, \eta^7, \eta^{17}, 1) = \mathbf{P}(0, 20, 19, 1)$

$662: P_{21185} = \mathbf{P}(0, \eta^{22}, \eta^{17}, 1) = \mathbf{P}(0, 21, 19, 1)$

$663: P_{21217} = \mathbf{P}(0, \eta^{28}, \eta^{17}, 1) = \mathbf{P}(0, 22, 19, 1)$

$664: P_{21249} = \mathbf{P}(0, \eta^{26}, \eta^{17}, 1) = \mathbf{P}(0, 23, 19, 1)$

$665: P_{21281} = \mathbf{P}(0, \eta^{21}, \eta^{17}, 1) = \mathbf{P}(0, 24, 19, 1)$

$666: P_{21313} = \mathbf{P}(0, \eta^{25}, \eta^{17}, 1) = \mathbf{P}(0, 25, 19, 1)$
$667: P_{21345} = \mathbf{P}(0, \eta^{9}, \eta^{17}, 1) = \mathbf{P}(0, 26, 19, 1)$
$668: P_{21377} = \mathbf{P}(0, \eta^{16}, \eta^{17}, 1) = \mathbf{P}(0, 27, 19, 1)$
$669: P_{21409} = \mathbf{P}(0, \eta^{13}, \eta^{17}, 1) = \mathbf{P}(0, 28, 19, 1)$
$670: P_{21441} = \mathbf{P}(0, \eta^{14}, \eta^{17}, 1) = \mathbf{P}(0, 29, 19, 1)$
$671: P_{21473} = \mathbf{P}(0, \eta^{24}, \eta^{17}, 1) = \mathbf{P}(0, 30, 19, 1)$
$672: P_{21505} = \mathbf{P}(0, \eta^{15}, \eta^{17}, 1) = \mathbf{P}(0, 31, 19, 1)$
$673: P_{21537} = \mathbf{P}(0, 0, \eta^{7}, 1) = \mathbf{P}(0, 0, 20, 1)$
$674: P_{21569} = \mathbf{P}(0, 1, \eta^{7}, 1) = \mathbf{P}(0, 1, 20, 1)$
$675: P_{21601} = \mathbf{P}(0, \eta, \eta^{7}, 1) = \mathbf{P}(0, 2, 20, 1)$
$676: P_{21633} = \mathbf{P}(0, \eta^{18}, \eta^{7}, 1) = \mathbf{P}(0, 3, 20, 1)$
$677: P_{21665} = \mathbf{P}(0, \eta^{2}, \eta^{7}, 1) = \mathbf{P}(0, 4, 20, 1)$
$678: P_{21697} = \mathbf{P}(0, \eta^{5}, \eta^{7}, 1) = \mathbf{P}(0, 5, 20, 1)$
$679: P_{21729} = \mathbf{P}(0, \eta^{19}, \eta^{7}, 1) = \mathbf{P}(0, 6, 20, 1)$
$680: P_{21761} = \mathbf{P}(0, \eta^{11}, \eta^{7}, 1) = \mathbf{P}(0, 7, 20, 1)$
$681: P_{21793} = \mathbf{P}(0, \eta^{3}, \eta^{7}, 1) = \mathbf{P}(0, 8, 20, 1)$
$682: P_{21825} = \mathbf{P}(0, \eta^{29}, \eta^{7}, 1) = \mathbf{P}(0, 9, 20, 1)$
$683: P_{21857} = \mathbf{P}(0, \eta^{6}, \eta^{7}, 1) = \mathbf{P}(0, 10, 20, 1)$
$684: P_{21889} = \mathbf{P}(0, \eta^{27}, \eta^{7}, 1) = \mathbf{P}(0, 11, 20, 1)$
$685: P_{21921} = \mathbf{P}(0, \eta^{20}, \eta^{7}, 1) = \mathbf{P}(0, 12, 20, 1)$
$686: P_{21953} = \mathbf{P}(0, \eta^{8}, \eta^{7}, 1) = \mathbf{P}(0, 13, 20, 1)$
$687: P_{21985} = \mathbf{P}(0, \eta^{12}, \eta^{7}, 1) = \mathbf{P}(0, 14, 20, 1)$
$688: P_{22017} = \mathbf{P}(0, \eta^{23}, \eta^{7}, 1) = \mathbf{P}(0, 15, 20, 1)$
$689: P_{22049} = \mathbf{P}(0, \eta^{4}, \eta^{7}, 1) = \mathbf{P}(0, 16, 20, 1)$
$690: P_{22081} = \mathbf{P}(0, \eta^{10}, \eta^{7}, 1) = \mathbf{P}(0, 17, 20, 1)$
$691: P_{22113} = \mathbf{P}(0, \eta^{30}, \eta^{7}, 1) = \mathbf{P}(0, 18, 20, 1)$
$692: P_{22145} = \mathbf{P}(0, \eta^{17}, \eta^{7}, 1) = \mathbf{P}(0, 19, 20, 1)$
$693: P_{22177} = \mathbf{P}(0, \eta^{7}, \eta^{7}, 1) = \mathbf{P}(0, 20, 20, 1)$
$694: P_{22209} = \mathbf{P}(0, \eta^{22}, \eta^{7}, 1) = \mathbf{P}(0, 21, 20, 1)$
$695: P_{22241} = \mathbf{P}(0, \eta^{28}, \eta^{7}, 1) = \mathbf{P}(0, 22, 20, 1)$
$696: P_{22273} = \mathbf{P}(0, \eta^{26}, \eta^{7}, 1) = \mathbf{P}(0, 23, 20, 1)$
$697: P_{22305} = \mathbf{P}(0, \eta^{21}, \eta^{7}, 1) = \mathbf{P}(0, 24, 20, 1)$
$698: P_{22337} = \mathbf{P}(0, \eta^{25}, \eta^{7}, 1) = \mathbf{P}(0, 25, 20, 1)$
$699: P_{22369} = \mathbf{P}(0, \eta^{9}, \eta^{7}, 1) = \mathbf{P}(0, 26, 20, 1)$
$700: P_{22401} = \mathbf{P}(0, \eta^{16}, \eta^{7}, 1) = \mathbf{P}(0, 27, 20, 1)$
$701: P_{22433} = \mathbf{P}(0, \eta^{13}, \eta^{7}, 1) = \mathbf{P}(0, 28, 20, 1)$
$702: P_{22465} = \mathbf{P}(0, \eta^{14}, \eta^{7}, 1) = \mathbf{P}(0, 29, 20, 1)$
$703: P_{22497} = \mathbf{P}(0, \eta^{24}, \eta^{7}, 1) = \mathbf{P}(0, 30, 20, 1)$
$704: P_{22529} = \mathbf{P}(0, \eta^{15}, \eta^{7}, 1) = \mathbf{P}(0, 31, 20, 1)$
$705: P_{22561} = \mathbf{P}(0, 0, \eta^{22}, 1) = \mathbf{P}(0, 0, 21, 1)$
$706: P_{22593} = \mathbf{P}(0, 1, \eta^{22}, 1) = \mathbf{P}(0, 1, 21, 1)$
$707: P_{22625} = \mathbf{P}(0, \eta, \eta^{22}, 1) = \mathbf{P}(0, 2, 21, 1)$
$708: P_{22657} = \mathbf{P}(0, \eta^{18}, \eta^{22}, 1) = \mathbf{P}(0, 3, 21, 1)$
$709: P_{22689} = \mathbf{P}(0, \eta^{2}, \eta^{22}, 1) = \mathbf{P}(0, 4, 21, 1)$
$710: P_{22721} = \mathbf{P}(0, \eta^{5}, \eta^{22}, 1) = \mathbf{P}(0, 5, 21, 1)$
$711: P_{22753} = \mathbf{P}(0, \eta^{19}, \eta^{22}, 1) = \mathbf{P}(0, 6, 21, 1)$
$712: P_{22785} = \mathbf{P}(0, \eta^{11}, \eta^{22}, 1) = \mathbf{P}(0, 7, 21, 1)$
$713: P_{22817} = \mathbf{P}(0, \eta^{3}, \eta^{22}, 1) = \mathbf{P}(0, 8, 21, 1)$
$714: P_{22849} = \mathbf{P}(0, \eta^{29}, \eta^{22}, 1) = \mathbf{P}(0, 9, 21, 1)$
$715: P_{22881} = \mathbf{P}(0, \eta^{6}, \eta^{22}, 1) = \mathbf{P}(0, 10, 21, 1)$
$716: P_{22913} = \mathbf{P}(0, \eta^{27}, \eta^{22}, 1) = \mathbf{P}(0, 11, 21, 1)$
$717: P_{22945} = \mathbf{P}(0, \eta^{20}, \eta^{22}, 1) = \mathbf{P}(0, 12, 21, 1)$
$718: P_{22977} = \mathbf{P}(0, \eta^{8}, \eta^{22}, 1) = \mathbf{P}(0, 13, 21, 1)$
$719: P_{23009} = \mathbf{P}(0, \eta^{12}, \eta^{22}, 1) = \mathbf{P}(0, 14, 21, 1)$

$720: P_{23041} = \mathbf{P}(0, \eta^{23}, \eta^{22}, 1) = \mathbf{P}(0, 15, 21, 1)$
$721: P_{23073} = \mathbf{P}(0, \eta^{4}, \eta^{22}, 1) = \mathbf{P}(0, 16, 21, 1)$
$722: P_{23105} = \mathbf{P}(0, \eta^{10}, \eta^{22}, 1) = \mathbf{P}(0, 17, 21, 1)$
$723: P_{23137} = \mathbf{P}(0, \eta^{30}, \eta^{22}, 1) = \mathbf{P}(0, 18, 21, 1)$
$724: P_{23169} = \mathbf{P}(0, \eta^{17}, \eta^{22}, 1) = \mathbf{P}(0, 19, 21, 1)$
$725: P_{23201} = \mathbf{P}(0, \eta^{7}, \eta^{22}, 1) = \mathbf{P}(0, 20, 21, 1)$
$726: P_{23233} = \mathbf{P}(0, \eta^{22}, \eta^{22}, 1) = \mathbf{P}(0, 21, 21, 1)$
$727: P_{23265} = \mathbf{P}(0, \eta^{28}, \eta^{22}, 1) = \mathbf{P}(0, 22, 21, 1)$
$728: P_{23297} = \mathbf{P}(0, \eta^{26}, \eta^{22}, 1) = \mathbf{P}(0, 23, 21, 1)$
$729: P_{23329} = \mathbf{P}(0, \eta^{21}, \eta^{22}, 1) = \mathbf{P}(0, 24, 21, 1)$
$730: P_{23361} = \mathbf{P}(0, \eta^{25}, \eta^{22}, 1) = \mathbf{P}(0, 25, 21, 1)$
$731: P_{23393} = \mathbf{P}(0, \eta^{9}, \eta^{22}, 1) = \mathbf{P}(0, 26, 21, 1)$
$732: P_{23425} = \mathbf{P}(0, \eta^{16}, \eta^{22}, 1) = \mathbf{P}(0, 27, 21, 1)$
$733: P_{23457} = \mathbf{P}(0, \eta^{13}, \eta^{22}, 1) = \mathbf{P}(0, 28, 21, 1)$
$734: P_{23489} = \mathbf{P}(0, \eta^{14}, \eta^{22}, 1) = \mathbf{P}(0, 29, 21, 1)$
$735: P_{23521} = \mathbf{P}(0, \eta^{24}, \eta^{22}, 1) = \mathbf{P}(0, 30, 21, 1)$
$736: P_{23553} = \mathbf{P}(0, \eta^{15}, \eta^{22}, 1) = \mathbf{P}(0, 31, 21, 1)$
$737: P_{23585} = \mathbf{P}(0, 0, \eta^{28}, 1) = \mathbf{P}(0, 0, 22, 1)$
$738: P_{23617} = \mathbf{P}(0, 1, \eta^{28}, 1) = \mathbf{P}(0, 1, 22, 1)$
$739: P_{23649} = \mathbf{P}(0, \eta, \eta^{28}, 1) = \mathbf{P}(0, 2, 22, 1)$
$740: P_{23681} = \mathbf{P}(0, \eta^{18}, \eta^{28}, 1) = \mathbf{P}(0, 3, 22, 1)$
$741: P_{23713} = \mathbf{P}(0, \eta^{2}, \eta^{28}, 1) = \mathbf{P}(0, 4, 22, 1)$
$742: P_{23745} = \mathbf{P}(0, \eta^{5}, \eta^{28}, 1) = \mathbf{P}(0, 5, 22, 1)$
$743: P_{23777} = \mathbf{P}(0, \eta^{19}, \eta^{28}, 1) = \mathbf{P}(0, 6, 22, 1)$
$744: P_{23809} = \mathbf{P}(0, \eta^{11}, \eta^{28}, 1) = \mathbf{P}(0, 7, 22, 1)$
$745: P_{23841} = \mathbf{P}(0, \eta^{3}, \eta^{28}, 1) = \mathbf{P}(0, 8, 22, 1)$
$746: P_{23873} = \mathbf{P}(0, \eta^{29}, \eta^{28}, 1) = \mathbf{P}(0, 9, 22, 1)$
$747: P_{23905} = \mathbf{P}(0, \eta^{6}, \eta^{28}, 1) = \mathbf{P}(0, 10, 22, 1)$
$748: P_{23937} = \mathbf{P}(0, \eta^{27}, \eta^{28}, 1) = \mathbf{P}(0, 11, 22, 1)$
$749: P_{23969} = \mathbf{P}(0, \eta^{20}, \eta^{28}, 1) = \mathbf{P}(0, 12, 22, 1)$
$750: P_{24001} = \mathbf{P}(0, \eta^{8}, \eta^{28}, 1) = \mathbf{P}(0, 13, 22, 1)$
$751: P_{24033} = \mathbf{P}(0, \eta^{12}, \eta^{28}, 1) = \mathbf{P}(0, 14, 22, 1)$
$752: P_{24065} = \mathbf{P}(0, \eta^{23}, \eta^{28}, 1) = \mathbf{P}(0, 15, 22, 1)$
$753: P_{24097} = \mathbf{P}(0, \eta^{4}, \eta^{28}, 1) = \mathbf{P}(0, 16, 22, 1)$
$754: P_{24129} = \mathbf{P}(0, \eta^{10}, \eta^{28}, 1) = \mathbf{P}(0, 17, 22, 1)$
$755: P_{24161} = \mathbf{P}(0, \eta^{30}, \eta^{28}, 1) = \mathbf{P}(0, 18, 22, 1)$
$756: P_{24193} = \mathbf{P}(0, \eta^{17}, \eta^{28}, 1) = \mathbf{P}(0, 19, 22, 1)$
$757: P_{24225} = \mathbf{P}(0, \eta^{7}, \eta^{28}, 1) = \mathbf{P}(0, 20, 22, 1)$
$758: P_{24257} = \mathbf{P}(0, \eta^{22}, \eta^{28}, 1) = \mathbf{P}(0, 21, 22, 1)$
$759: P_{24289} = \mathbf{P}(0, \eta^{28}, \eta^{28}, 1) = \mathbf{P}(0, 22, 22, 1)$
$760: P_{24321} = \mathbf{P}(0, \eta^{26}, \eta^{28}, 1) = \mathbf{P}(0, 23, 22, 1)$
$761: P_{24353} = \mathbf{P}(0, \eta^{21}, \eta^{28}, 1) = \mathbf{P}(0, 24, 22, 1)$
$762: P_{24385} = \mathbf{P}(0, \eta^{25}, \eta^{28}, 1) = \mathbf{P}(0, 25, 22, 1)$
$763: P_{24417} = \mathbf{P}(0, \eta^{9}, \eta^{28}, 1) = \mathbf{P}(0, 26, 22, 1)$
$764: P_{24449} = \mathbf{P}(0, \eta^{16}, \eta^{28}, 1) = \mathbf{P}(0, 27, 22, 1)$
$765: P_{24481} = \mathbf{P}(0, \eta^{13}, \eta^{28}, 1) = \mathbf{P}(0, 28, 22, 1)$
$766: P_{24513} = \mathbf{P}(0, \eta^{14}, \eta^{28}, 1) = \mathbf{P}(0, 29, 22, 1)$
$767: P_{24545} = \mathbf{P}(0, \eta^{24}, \eta^{28}, 1) = \mathbf{P}(0, 30, 22, 1)$
$768: P_{24577} = \mathbf{P}(0, \eta^{15}, \eta^{28}, 1) = \mathbf{P}(0, 31, 22, 1)$
$769: P_{24609} = \mathbf{P}(0, 0, \eta^{26}, 1) = \mathbf{P}(0, 0, 23, 1)$
$770: P_{24641} = \mathbf{P}(0, 1, \eta^{26}, 1) = \mathbf{P}(0, 1, 23, 1)$
$771: P_{24673} = \mathbf{P}(0, \eta, \eta^{26}, 1) = \mathbf{P}(0, 2, 23, 1)$
$772: P_{24705} = \mathbf{P}(0, \eta^{18}, \eta^{26}, 1) = \mathbf{P}(0, 3, 23, 1)$
$773: P_{24737} = \mathbf{P}(0, \eta^{2}, \eta^{26}, 1) = \mathbf{P}(0, 4, 23, 1)$

$774:\ P_{24769} = \mathbf{P}(0, \eta^5, \eta^{26}, 1) = \mathbf{P}(0, 5, 23, 1)$

$775:\ P_{24801} = \mathbf{P}(0, \eta^{19}, \eta^{26}, 1) = \mathbf{P}(0, 6, 23, 1)$

$776:\ P_{24833} = \mathbf{P}(0, \eta^{11}, \eta^{26}, 1) = \mathbf{P}(0, 7, 23, 1)$

$777:\ P_{24865} = \mathbf{P}(0, \eta^3, \eta^{26}, 1) = \mathbf{P}(0, 8, 23, 1)$

$778:\ P_{24897} = \mathbf{P}(0, \eta^{29}, \eta^{26}, 1) = \mathbf{P}(0, 9, 23, 1)$

$779:\ P_{24929} = \mathbf{P}(0, \eta^6, \eta^{26}, 1) = \mathbf{P}(0, 10, 23, 1)$

$780:\ P_{24961} = \mathbf{P}(0, \eta^{27}, \eta^{26}, 1) = \mathbf{P}(0, 11, 23, 1)$

$781:\ P_{24993} = \mathbf{P}(0, \eta^{20}, \eta^{26}, 1) = \mathbf{P}(0, 12, 23, 1)$

$782:\ P_{25025} = \mathbf{P}(0, \eta^8, \eta^{26}, 1) = \mathbf{P}(0, 13, 23, 1)$

$783:\ P_{25057} = \mathbf{P}(0, \eta^{12}, \eta^{26}, 1) = \mathbf{P}(0, 14, 23, 1)$

$784:\ P_{25089} = \mathbf{P}(0, \eta^{23}, \eta^{26}, 1) = \mathbf{P}(0, 15, 23, 1)$

$785:\ P_{25121} = \mathbf{P}(0, \eta^4, \eta^{26}, 1) = \mathbf{P}(0, 16, 23, 1)$

$786:\ P_{25153} = \mathbf{P}(0, \eta^{10}, \eta^{26}, 1) = \mathbf{P}(0, 17, 23, 1)$

$787:\ P_{25185} = \mathbf{P}(0, \eta^{30}, \eta^{26}, 1) = \mathbf{P}(0, 18, 23, 1)$

$788:\ P_{25217} = \mathbf{P}(0, \eta^{17}, \eta^{26}, 1) = \mathbf{P}(0, 19, 23, 1)$

$789:\ P_{25249} = \mathbf{P}(0, \eta^7, \eta^{26}, 1) = \mathbf{P}(0, 20, 23, 1)$

$790:\ P_{25281} = \mathbf{P}(0, \eta^{22}, \eta^{26}, 1) = \mathbf{P}(0, 21, 23, 1)$

$791:\ P_{25313} = \mathbf{P}(0, \eta^{28}, \eta^{26}, 1) = \mathbf{P}(0, 22, 23, 1)$

$792:\ P_{25345} = \mathbf{P}(0, \eta^{26}, \eta^{26}, 1) = \mathbf{P}(0, 23, 23, 1)$

$793:\ P_{25377} = \mathbf{P}(0, \eta^{21}, \eta^{26}, 1) = \mathbf{P}(0, 24, 23, 1)$

$794:\ P_{25409} = \mathbf{P}(0, \eta^{25}, \eta^{26}, 1) = \mathbf{P}(0, 25, 23, 1)$

$795:\ P_{25441} = \mathbf{P}(0, \eta^9, \eta^{26}, 1) = \mathbf{P}(0, 26, 23, 1)$

$796:\ P_{25473} = \mathbf{P}(0, \eta^{16}, \eta^{26}, 1) = \mathbf{P}(0, 27, 23, 1)$

$797:\ P_{25505} = \mathbf{P}(0, \eta^{13}, \eta^{26}, 1) = \mathbf{P}(0, 28, 23, 1)$

$798:\ P_{25537} = \mathbf{P}(0, \eta^{14}, \eta^{26}, 1) = \mathbf{P}(0, 29, 23, 1)$

$799:\ P_{25569} = \mathbf{P}(0, \eta^{24}, \eta^{26}, 1) = \mathbf{P}(0, 30, 23, 1)$

$800:\ P_{25601} = \mathbf{P}(0, \eta^{15}, \eta^{26}, 1) = \mathbf{P}(0, 31, 23, 1)$

$801:\ P_{25633} = \mathbf{P}(0, 0, \eta^{21}, 1) = \mathbf{P}(0, 0, 24, 1)$

$802:\ P_{25665} = \mathbf{P}(0, 1, \eta^{21}, 1) = \mathbf{P}(0, 1, 24, 1)$

$803:\ P_{25697} = \mathbf{P}(0, \eta, \eta^{21}, 1) = \mathbf{P}(0, 2, 24, 1)$

$804:\ P_{25729} = \mathbf{P}(0, \eta^{18}, \eta^{21}, 1) = \mathbf{P}(0, 3, 24, 1)$

$805:\ P_{25761} = \mathbf{P}(0, \eta^2, \eta^{21}, 1) = \mathbf{P}(0, 4, 24, 1)$

$806:\ P_{25793} = \mathbf{P}(0, \eta^5, \eta^{21}, 1) = \mathbf{P}(0, 5, 24, 1)$

$807:\ P_{25825} = \mathbf{P}(0, \eta^{19}, \eta^{21}, 1) = \mathbf{P}(0, 6, 24, 1)$

$808:\ P_{25857} = \mathbf{P}(0, \eta^{11}, \eta^{21}, 1) = \mathbf{P}(0, 7, 24, 1)$

$809:\ P_{25889} = \mathbf{P}(0, \eta^3, \eta^{21}, 1) = \mathbf{P}(0, 8, 24, 1)$

$810:\ P_{25921} = \mathbf{P}(0, \eta^{29}, \eta^{21}, 1) = \mathbf{P}(0, 9, 24, 1)$

$811:\ P_{25953} = \mathbf{P}(0, \eta^6, \eta^{21}, 1) = \mathbf{P}(0, 10, 24, 1)$

$812:\ P_{25985} = \mathbf{P}(0, \eta^{27}, \eta^{21}, 1) = \mathbf{P}(0, 11, 24, 1)$

$813:\ P_{26017} = \mathbf{P}(0, \eta^{20}, \eta^{21}, 1) = \mathbf{P}(0, 12, 24, 1)$

$814:\ P_{26049} = \mathbf{P}(0, \eta^8, \eta^{21}, 1) = \mathbf{P}(0, 13, 24, 1)$

$815:\ P_{26081} = \mathbf{P}(0, \eta^{12}, \eta^{21}, 1) = \mathbf{P}(0, 14, 24, 1)$

$816:\ P_{26113} = \mathbf{P}(0, \eta^{23}, \eta^{21}, 1) = \mathbf{P}(0, 15, 24, 1)$

$817:\ P_{26145} = \mathbf{P}(0, \eta^4, \eta^{21}, 1) = \mathbf{P}(0, 16, 24, 1)$

$818:\ P_{26177} = \mathbf{P}(0, \eta^{10}, \eta^{21}, 1) = \mathbf{P}(0, 17, 24, 1)$

$819:\ P_{26209} = \mathbf{P}(0, \eta^{30}, \eta^{21}, 1) = \mathbf{P}(0, 18, 24, 1)$

$820:\ P_{26241} = \mathbf{P}(0, \eta^{17}, \eta^{21}, 1) = \mathbf{P}(0, 19, 24, 1)$

$821:\ P_{26273} = \mathbf{P}(0, \eta^7, \eta^{21}, 1) = \mathbf{P}(0, 20, 24, 1)$

$822:\ P_{26305} = \mathbf{P}(0, \eta^{22}, \eta^{21}, 1) = \mathbf{P}(0, 21, 24, 1)$

$823:\ P_{26337} = \mathbf{P}(0, \eta^{28}, \eta^{21}, 1) = \mathbf{P}(0, 22, 24, 1)$

$824:\ P_{26369} = \mathbf{P}(0, \eta^{26}, \eta^{21}, 1) = \mathbf{P}(0, 23, 24, 1)$

$825:\ P_{26401} = \mathbf{P}(0, \eta^{21}, \eta^{21}, 1) = \mathbf{P}(0, 24, 24, 1)$

$826:\ P_{26433} = \mathbf{P}(0, \eta^{25}, \eta^{21}, 1) = \mathbf{P}(0, 25, 24, 1)$

$827:\ P_{26465} = \mathbf{P}(0, \eta^9, \eta^{21}, 1) = \mathbf{P}(0, 26, 24, 1)$

$828:\ P_{26497} = \mathbf{P}(0, \eta^{16}, \eta^{21}, 1) = \mathbf{P}(0, 27, 24, 1)$

$829:\ P_{26529} = \mathbf{P}(0, \eta^{13}, \eta^{21}, 1) = \mathbf{P}(0, 28, 24, 1)$

$830:\ P_{26561} = \mathbf{P}(0, \eta^{14}, \eta^{21}, 1) = \mathbf{P}(0, 29, 24, 1)$

$831:\ P_{26593} = \mathbf{P}(0, \eta^{24}, \eta^{21}, 1) = \mathbf{P}(0, 30, 24, 1)$

$832:\ P_{26625} = \mathbf{P}(0, \eta^{15}, \eta^{21}, 1) = \mathbf{P}(0, 31, 24, 1)$

$833:\ P_{26657} = \mathbf{P}(0, 0, \eta^{25}, 1) = \mathbf{P}(0, 0, 25, 1)$

$834:\ P_{26689} = \mathbf{P}(0, 1, \eta^{25}, 1) = \mathbf{P}(0, 1, 25, 1)$

$835:\ P_{26721} = \mathbf{P}(0, \eta, \eta^{25}, 1) = \mathbf{P}(0, 2, 25, 1)$

$836:\ P_{26753} = \mathbf{P}(0, \eta^{18}, \eta^{25}, 1) = \mathbf{P}(0, 3, 25, 1)$

$837:\ P_{26785} = \mathbf{P}(0, \eta^2, \eta^{25}, 1) = \mathbf{P}(0, 4, 25, 1)$

$838:\ P_{26817} = \mathbf{P}(0, \eta^5, \eta^{25}, 1) = \mathbf{P}(0, 5, 25, 1)$

$839:\ P_{26849} = \mathbf{P}(0, \eta^{19}, \eta^{25}, 1) = \mathbf{P}(0, 6, 25, 1)$

$840:\ P_{26881} = \mathbf{P}(0, \eta^{11}, \eta^{25}, 1) = \mathbf{P}(0, 7, 25, 1)$

$841:\ P_{26913} = \mathbf{P}(0, \eta^3, \eta^{25}, 1) = \mathbf{P}(0, 8, 25, 1)$

$842:\ P_{26945} = \mathbf{P}(0, \eta^{29}, \eta^{25}, 1) = \mathbf{P}(0, 9, 25, 1)$

$843:\ P_{26977} = \mathbf{P}(0, \eta^6, \eta^{25}, 1) = \mathbf{P}(0, 10, 25, 1)$

$844:\ P_{27009} = \mathbf{P}(0, \eta^{27}, \eta^{25}, 1) = \mathbf{P}(0, 11, 25, 1)$

$845:\ P_{27041} = \mathbf{P}(0, \eta^{20}, \eta^{25}, 1) = \mathbf{P}(0, 12, 25, 1)$

$846:\ P_{27073} = \mathbf{P}(0, \eta^8, \eta^{25}, 1) = \mathbf{P}(0, 13, 25, 1)$

$847:\ P_{27105} = \mathbf{P}(0, \eta^{12}, \eta^{25}, 1) = \mathbf{P}(0, 14, 25, 1)$

$848:\ P_{27137} = \mathbf{P}(0, \eta^{23}, \eta^{25}, 1) = \mathbf{P}(0, 15, 25, 1)$

$849:\ P_{27169} = \mathbf{P}(0, \eta^4, \eta^{25}, 1) = \mathbf{P}(0, 16, 25, 1)$

$850:\ P_{27201} = \mathbf{P}(0, \eta^{10}, \eta^{25}, 1) = \mathbf{P}(0, 17, 25, 1)$

$851:\ P_{27233} = \mathbf{P}(0, \eta^{30}, \eta^{25}, 1) = \mathbf{P}(0, 18, 25, 1)$

$852:\ P_{27265} = \mathbf{P}(0, \eta^{17}, \eta^{25}, 1) = \mathbf{P}(0, 19, 25, 1)$

$853:\ P_{27297} = \mathbf{P}(0, \eta^7, \eta^{25}, 1) = \mathbf{P}(0, 20, 25, 1)$

$854:\ P_{27329} = \mathbf{P}(0, \eta^{22}, \eta^{25}, 1) = \mathbf{P}(0, 21, 25, 1)$

$855:\ P_{27361} = \mathbf{P}(0, \eta^{28}, \eta^{25}, 1) = \mathbf{P}(0, 22, 25, 1)$

$856:\ P_{27393} = \mathbf{P}(0, \eta^{26}, \eta^{25}, 1) = \mathbf{P}(0, 23, 25, 1)$

$857:\ P_{27425} = \mathbf{P}(0, \eta^{21}, \eta^{25}, 1) = \mathbf{P}(0, 24, 25, 1)$

$858:\ P_{27457} = \mathbf{P}(0, \eta^{25}, \eta^{25}, 1) = \mathbf{P}(0, 25, 25, 1)$

$859:\ P_{27489} = \mathbf{P}(0, \eta^9, \eta^{25}, 1) = \mathbf{P}(0, 26, 25, 1)$

$860:\ P_{27521} = \mathbf{P}(0, \eta^{16}, \eta^{25}, 1) = \mathbf{P}(0, 27, 25, 1)$

$861:\ P_{27553} = \mathbf{P}(0, \eta^{13}, \eta^{25}, 1) = \mathbf{P}(0, 28, 25, 1)$

$862:\ P_{27585} = \mathbf{P}(0, \eta^{14}, \eta^{25}, 1) = \mathbf{P}(0, 29, 25, 1)$

$863:\ P_{27617} = \mathbf{P}(0, \eta^{24}, \eta^{25}, 1) = \mathbf{P}(0, 30, 25, 1)$

$864:\ P_{27649} = \mathbf{P}(0, \eta^{15}, \eta^{25}, 1) = \mathbf{P}(0, 31, 25, 1)$

$865:\ P_{27681} = \mathbf{P}(0, 0, \eta^9, 1) = \mathbf{P}(0, 0, 26, 1)$

$866:\ P_{27713} = \mathbf{P}(0, 1, \eta^9, 1) = \mathbf{P}(0, 1, 26, 1)$

$867:\ P_{27745} = \mathbf{P}(0, \eta, \eta^9, 1) = \mathbf{P}(0, 2, 26, 1)$

$868:\ P_{27777} = \mathbf{P}(0, \eta^{18}, \eta^9, 1) = \mathbf{P}(0, 3, 26, 1)$

$869:\ P_{27809} = \mathbf{P}(0, \eta^2, \eta^9, 1) = \mathbf{P}(0, 4, 26, 1)$

$870:\ P_{27841} = \mathbf{P}(0, \eta^5, \eta^9, 1) = \mathbf{P}(0, 5, 26, 1)$

$871:\ P_{27873} = \mathbf{P}(0, \eta^{19}, \eta^9, 1) = \mathbf{P}(0, 6, 26, 1)$

$872:\ P_{27905} = \mathbf{P}(0, \eta^{11}, \eta^9, 1) = \mathbf{P}(0, 7, 26, 1)$

$873:\ P_{27937} = \mathbf{P}(0, \eta^3, \eta^9, 1) = \mathbf{P}(0, 8, 26, 1)$

$874:\ P_{27969} = \mathbf{P}(0, \eta^{29}, \eta^9, 1) = \mathbf{P}(0, 9, 26, 1)$

$875:\ P_{28001} = \mathbf{P}(0, \eta^6, \eta^9, 1) = \mathbf{P}(0, 10, 26, 1)$

$876:\ P_{28033} = \mathbf{P}(0, \eta^{27}, \eta^9, 1) = \mathbf{P}(0, 11, 26, 1)$

$877:\ P_{28065} = \mathbf{P}(0, \eta^{20}, \eta^9, 1) = \mathbf{P}(0, 12, 26, 1)$

$878:\ P_{28097} = \mathbf{P}(0, \eta^8, \eta^9, 1) = \mathbf{P}(0, 13, 26, 1)$

$879:\ P_{28129} = \mathbf{P}(0, \eta^{12}, \eta^9, 1) = \mathbf{P}(0, 14, 26, 1)$

$880:\ P_{28161} = \mathbf{P}(0, \eta^{23}, \eta^9, 1) = \mathbf{P}(0, 15, 26, 1)$

$881:\ P_{28193} = \mathbf{P}(0, \eta^4, \eta^9, 1) = \mathbf{P}(0, 16, 26, 1)$

$882: P_{28225} = \mathbf{P}(0, \eta^{10}, \eta^9, 1) = \mathbf{P}(0, 17, 26, 1)$

$883: P_{28257} = \mathbf{P}(0, \eta^{30}, \eta^9, 1) = \mathbf{P}(0, 18, 26, 1)$

$884: P_{28289} = \mathbf{P}(0, \eta^{17}, \eta^9, 1) = \mathbf{P}(0, 19, 26, 1)$

$885: P_{28321} = \mathbf{P}(0, \eta^7, \eta^9, 1) = \mathbf{P}(0, 20, 26, 1)$

$886: P_{28353} = \mathbf{P}(0, \eta^{22}, \eta^9, 1) = \mathbf{P}(0, 21, 26, 1)$

$887: P_{28385} = \mathbf{P}(0, \eta^{28}, \eta^9, 1) = \mathbf{P}(0, 22, 26, 1)$

$888: P_{28417} = \mathbf{P}(0, \eta^{26}, \eta^9, 1) = \mathbf{P}(0, 23, 26, 1)$

$889: P_{28449} = \mathbf{P}(0, \eta^{21}, \eta^9, 1) = \mathbf{P}(0, 24, 26, 1)$

$890: P_{28481} = \mathbf{P}(0, \eta^{25}, \eta^9, 1) = \mathbf{P}(0, 25, 26, 1)$

$891: P_{28513} = \mathbf{P}(0, \eta^9, \eta^9, 1) = \mathbf{P}(0, 26, 26, 1)$

$892: P_{28545} = \mathbf{P}(0, \eta^{16}, \eta^9, 1) = \mathbf{P}(0, 27, 26, 1)$

$893: P_{28577} = \mathbf{P}(0, \eta^{13}, \eta^9, 1) = \mathbf{P}(0, 28, 26, 1)$

$894: P_{28609} = \mathbf{P}(0, \eta^{14}, \eta^9, 1) = \mathbf{P}(0, 29, 26, 1)$

$895: P_{28641} = \mathbf{P}(0, \eta^{24}, \eta^9, 1) = \mathbf{P}(0, 30, 26, 1)$

$896: P_{28673} = \mathbf{P}(0, \eta^{15}, \eta^9, 1) = \mathbf{P}(0, 31, 26, 1)$

$897: P_{28705} = \mathbf{P}(0, 0, \eta^{16}, 1) = \mathbf{P}(0, 0, 27, 1)$

$898: P_{28737} = \mathbf{P}(0, 1, \eta^{16}, 1) = \mathbf{P}(0, 1, 27, 1)$

$899: P_{28769} = \mathbf{P}(0, \eta, \eta^{16}, 1) = \mathbf{P}(0, 2, 27, 1)$

$900: P_{28801} = \mathbf{P}(0, \eta^{18}, \eta^{16}, 1) = \mathbf{P}(0, 3, 27, 1)$

$901: P_{28833} = \mathbf{P}(0, \eta^2, \eta^{16}, 1) = \mathbf{P}(0, 4, 27, 1)$

$902: P_{28865} = \mathbf{P}(0, \eta^5, \eta^{16}, 1) = \mathbf{P}(0, 5, 27, 1)$

$903: P_{28897} = \mathbf{P}(0, \eta^{19}, \eta^{16}, 1) = \mathbf{P}(0, 6, 27, 1)$

$904: P_{28929} = \mathbf{P}(0, \eta^{11}, \eta^{16}, 1) = \mathbf{P}(0, 7, 27, 1)$

$905: P_{28961} = \mathbf{P}(0, \eta^3, \eta^{16}, 1) = \mathbf{P}(0, 8, 27, 1)$

$906: P_{28993} = \mathbf{P}(0, \eta^{29}, \eta^{16}, 1) = \mathbf{P}(0, 9, 27, 1)$

$907: P_{29025} = \mathbf{P}(0, \eta^6, \eta^{16}, 1) = \mathbf{P}(0, 10, 27, 1)$

$908: P_{29057} = \mathbf{P}(0, \eta^{27}, \eta^{16}, 1) = \mathbf{P}(0, 11, 27, 1)$

$909: P_{29089} = \mathbf{P}(0, \eta^{20}, \eta^{16}, 1) = \mathbf{P}(0, 12, 27, 1)$

$910: P_{29121} = \mathbf{P}(0, \eta^8, \eta^{16}, 1) = \mathbf{P}(0, 13, 27, 1)$

$911: P_{29153} = \mathbf{P}(0, \eta^{12}, \eta^{16}, 1) = \mathbf{P}(0, 14, 27, 1)$

$912: P_{29185} = \mathbf{P}(0, \eta^{23}, \eta^{16}, 1) = \mathbf{P}(0, 15, 27, 1)$

$913: P_{29217} = \mathbf{P}(0, \eta^4, \eta^{16}, 1) = \mathbf{P}(0, 16, 27, 1)$

$914: P_{29249} = \mathbf{P}(0, \eta^{10}, \eta^{16}, 1) = \mathbf{P}(0, 17, 27, 1)$

$915: P_{29281} = \mathbf{P}(0, \eta^{30}, \eta^{16}, 1) = \mathbf{P}(0, 18, 27, 1)$

$916: P_{29313} = \mathbf{P}(0, \eta^{17}, \eta^{16}, 1) = \mathbf{P}(0, 19, 27, 1)$

$917: P_{29345} = \mathbf{P}(0, \eta^7, \eta^{16}, 1) = \mathbf{P}(0, 20, 27, 1)$

$918: P_{29377} = \mathbf{P}(0, \eta^{22}, \eta^{16}, 1) = \mathbf{P}(0, 21, 27, 1)$

$919: P_{29409} = \mathbf{P}(0, \eta^{28}, \eta^{16}, 1) = \mathbf{P}(0, 22, 27, 1)$

$920: P_{29441} = \mathbf{P}(0, \eta^{26}, \eta^{16}, 1) = \mathbf{P}(0, 23, 27, 1)$

$921: P_{29473} = \mathbf{P}(0, \eta^{21}, \eta^{16}, 1) = \mathbf{P}(0, 24, 27, 1)$

$922: P_{29505} = \mathbf{P}(0, \eta^{25}, \eta^{16}, 1) = \mathbf{P}(0, 25, 27, 1)$

$923: P_{29537} = \mathbf{P}(0, \eta^9, \eta^{16}, 1) = \mathbf{P}(0, 26, 27, 1)$

$924: P_{29569} = \mathbf{P}(0, \eta^{16}, \eta^{16}, 1) = \mathbf{P}(0, 27, 27, 1)$

$925: P_{29601} = \mathbf{P}(0, \eta^{13}, \eta^{16}, 1) = \mathbf{P}(0, 28, 27, 1)$

$926: P_{29633} = \mathbf{P}(0, \eta^{14}, \eta^{16}, 1) = \mathbf{P}(0, 29, 27, 1)$

$927: P_{29665} = \mathbf{P}(0, \eta^{24}, \eta^{16}, 1) = \mathbf{P}(0, 30, 27, 1)$

$928: P_{29697} = \mathbf{P}(0, \eta^{15}, \eta^{16}, 1) = \mathbf{P}(0, 31, 27, 1)$

$929: P_{29729} = \mathbf{P}(0, 0, \eta^{13}, 1) = \mathbf{P}(0, 0, 28, 1)$

$930: P_{29761} = \mathbf{P}(0, 1, \eta^{13}, 1) = \mathbf{P}(0, 1, 28, 1)$

$931: P_{29793} = \mathbf{P}(0, \eta, \eta^{13}, 1) = \mathbf{P}(0, 2, 28, 1)$

$932: P_{29825} = \mathbf{P}(0, \eta^{18}, \eta^{13}, 1) = \mathbf{P}(0, 3, 28, 1)$

$933: P_{29857} = \mathbf{P}(0, \eta^2, \eta^{13}, 1) = \mathbf{P}(0, 4, 28, 1)$

$934: P_{29889} = \mathbf{P}(0, \eta^5, \eta^{13}, 1) = \mathbf{P}(0, 5, 28, 1)$

$935: P_{29921} = \mathbf{P}(0, \eta^{19}, \eta^{13}, 1) = \mathbf{P}(0, 6, 28, 1)$

$936: P_{29953} = \mathbf{P}(0, \eta^{11}, \eta^{13}, 1) = \mathbf{P}(0, 7, 28, 1)$

$937: P_{29985} = \mathbf{P}(0, \eta^3, \eta^{13}, 1) = \mathbf{P}(0, 8, 28, 1)$

$938: P_{30017} = \mathbf{P}(0, \eta^{29}, \eta^{13}, 1) = \mathbf{P}(0, 9, 28, 1)$

$939: P_{30049} = \mathbf{P}(0, \eta^6, \eta^{13}, 1) = \mathbf{P}(0, 10, 28, 1)$

$940: P_{30081} = \mathbf{P}(0, \eta^{27}, \eta^{13}, 1) = \mathbf{P}(0, 11, 28, 1)$

$941: P_{30113} = \mathbf{P}(0, \eta^{20}, \eta^{13}, 1) = \mathbf{P}(0, 12, 28, 1)$

$942: P_{30145} = \mathbf{P}(0, \eta^8, \eta^{13}, 1) = \mathbf{P}(0, 13, 28, 1)$

$943: P_{30177} = \mathbf{P}(0, \eta^{12}, \eta^{13}, 1) = \mathbf{P}(0, 14, 28, 1)$

$944: P_{30209} = \mathbf{P}(0, \eta^{23}, \eta^{13}, 1) = \mathbf{P}(0, 15, 28, 1)$

$945: P_{30241} = \mathbf{P}(0, \eta^4, \eta^{13}, 1) = \mathbf{P}(0, 16, 28, 1)$

$946: P_{30273} = \mathbf{P}(0, \eta^{10}, \eta^{13}, 1) = \mathbf{P}(0, 17, 28, 1)$

$947: P_{30305} = \mathbf{P}(0, \eta^{30}, \eta^{13}, 1) = \mathbf{P}(0, 18, 28, 1)$

$948: P_{30337} = \mathbf{P}(0, \eta^{17}, \eta^{13}, 1) = \mathbf{P}(0, 19, 28, 1)$

$949: P_{30369} = \mathbf{P}(0, \eta^7, \eta^{13}, 1) = \mathbf{P}(0, 20, 28, 1)$

$950: P_{30401} = \mathbf{P}(0, \eta^{22}, \eta^{13}, 1) = \mathbf{P}(0, 21, 28, 1)$

$951: P_{30433} = \mathbf{P}(0, \eta^{28}, \eta^{13}, 1) = \mathbf{P}(0, 22, 28, 1)$

$952: P_{30465} = \mathbf{P}(0, \eta^{26}, \eta^{13}, 1) = \mathbf{P}(0, 23, 28, 1)$

$953: P_{30497} = \mathbf{P}(0, \eta^{21}, \eta^{13}, 1) = \mathbf{P}(0, 24, 28, 1)$

$954: P_{30529} = \mathbf{P}(0, \eta^{25}, \eta^{13}, 1) = \mathbf{P}(0, 25, 28, 1)$

$955: P_{30561} = \mathbf{P}(0, \eta^9, \eta^{13}, 1) = \mathbf{P}(0, 26, 28, 1)$

$956: P_{30593} = \mathbf{P}(0, \eta^{16}, \eta^{13}, 1) = \mathbf{P}(0, 27, 28, 1)$

$957: P_{30625} = \mathbf{P}(0, \eta^{13}, \eta^{13}, 1) = \mathbf{P}(0, 28, 28, 1)$

$958: P_{30657} = \mathbf{P}(0, \eta^{14}, \eta^{13}, 1) = \mathbf{P}(0, 29, 28, 1)$

$959: P_{30689} = \mathbf{P}(0, \eta^{24}, \eta^{13}, 1) = \mathbf{P}(0, 30, 28, 1)$

$960: P_{30721} = \mathbf{P}(0, \eta^{15}, \eta^{13}, 1) = \mathbf{P}(0, 31, 28, 1)$

$961: P_{30753} = \mathbf{P}(0, 0, \eta^{14}, 1) = \mathbf{P}(0, 0, 29, 1)$

$962: P_{30785} = \mathbf{P}(0, 1, \eta^{14}, 1) = \mathbf{P}(0, 1, 29, 1)$

$963: P_{30817} = \mathbf{P}(0, \eta, \eta^{14}, 1) = \mathbf{P}(0, 2, 29, 1)$

$964: P_{30849} = \mathbf{P}(0, \eta^{18}, \eta^{14}, 1) = \mathbf{P}(0, 3, 29, 1)$

$965: P_{30881} = \mathbf{P}(0, \eta^2, \eta^{14}, 1) = \mathbf{P}(0, 4, 29, 1)$

$966: P_{30913} = \mathbf{P}(0, \eta^5, \eta^{14}, 1) = \mathbf{P}(0, 5, 29, 1)$

$967: P_{30945} = \mathbf{P}(0, \eta^{19}, \eta^{14}, 1) = \mathbf{P}(0, 6, 29, 1)$

$968: P_{30977} = \mathbf{P}(0, \eta^{11}, \eta^{14}, 1) = \mathbf{P}(0, 7, 29, 1)$

$969: P_{31009} = \mathbf{P}(0, \eta^3, \eta^{14}, 1) = \mathbf{P}(0, 8, 29, 1)$

$970: P_{31041} = \mathbf{P}(0, \eta^{29}, \eta^{14}, 1) = \mathbf{P}(0, 9, 29, 1)$

$971: P_{31073} = \mathbf{P}(0, \eta^6, \eta^{14}, 1) = \mathbf{P}(0, 10, 29, 1)$

$972: P_{31105} = \mathbf{P}(0, \eta^{27}, \eta^{14}, 1) = \mathbf{P}(0, 11, 29, 1)$

$973: P_{31137} = \mathbf{P}(0, \eta^{20}, \eta^{14}, 1) = \mathbf{P}(0, 12, 29, 1)$

$974: P_{31169} = \mathbf{P}(0, \eta^8, \eta^{14}, 1) = \mathbf{P}(0, 13, 29, 1)$

$975: P_{31201} = \mathbf{P}(0, \eta^{12}, \eta^{14}, 1) = \mathbf{P}(0, 14, 29, 1)$

$976: P_{31233} = \mathbf{P}(0, \eta^{23}, \eta^{14}, 1) = \mathbf{P}(0, 15, 29, 1)$

$977: P_{31265} = \mathbf{P}(0, \eta^4, \eta^{14}, 1) = \mathbf{P}(0, 16, 29, 1)$

$978: P_{31297} = \mathbf{P}(0, \eta^{10}, \eta^{14}, 1) = \mathbf{P}(0, 17, 29, 1)$

$979: P_{31329} = \mathbf{P}(0, \eta^{30}, \eta^{14}, 1) = \mathbf{P}(0, 18, 29, 1)$

$980: P_{31361} = \mathbf{P}(0, \eta^{17}, \eta^{14}, 1) = \mathbf{P}(0, 19, 29, 1)$

$981: P_{31393} = \mathbf{P}(0, \eta^7, \eta^{14}, 1) = \mathbf{P}(0, 20, 29, 1)$

$982: P_{31425} = \mathbf{P}(0, \eta^{22}, \eta^{14}, 1) = \mathbf{P}(0, 21, 29, 1)$

$983: P_{31457} = \mathbf{P}(0, \eta^{28}, \eta^{14}, 1) = \mathbf{P}(0, 22, 29, 1)$

$984: P_{31489} = \mathbf{P}(0, \eta^{26}, \eta^{14}, 1) = \mathbf{P}(0, 23, 29, 1)$

$985: P_{31521} = \mathbf{P}(0, \eta^{21}, \eta^{14}, 1) = \mathbf{P}(0, 24, 29, 1)$

$986: P_{31553} = \mathbf{P}(0, \eta^{25}, \eta^{14}, 1) = \mathbf{P}(0, 25, 29, 1)$

$987: P_{31585} = \mathbf{P}(0, \eta^9, \eta^{14}, 1) = \mathbf{P}(0, 26, 29, 1)$

$988: P_{31617} = \mathbf{P}(0, \eta^{16}, \eta^{14}, 1) = \mathbf{P}(0, 27, 29, 1)$

$989: P_{31649} = \mathbf{P}(0, \eta^{13}, \eta^{14}, 1) = \mathbf{P}(0, 28, 29, 1)$

$990 : P_{31681} = \mathbf{P}(0, \eta^{14}, \eta^{14}, 1) = \mathbf{P}(0, 29, 29, 1)$

$991 : P_{31713} = \mathbf{P}(0, \eta^{24}, \eta^{14}, 1) = \mathbf{P}(0, 30, 29, 1)$

$992 : P_{31745} = \mathbf{P}(0, \eta^{15}, \eta^{14}, 1) = \mathbf{P}(0, 31, 29, 1)$

$993 : P_{31777} = \mathbf{P}(0, 0, \eta^{24}, 1) = \mathbf{P}(0, 0, 30, 1)$

$994 : P_{31809} = \mathbf{P}(0, 1, \eta^{24}, 1) = \mathbf{P}(0, 1, 30, 1)$

$995 : P_{31841} = \mathbf{P}(0, \eta, \eta^{24}, 1) = \mathbf{P}(0, 2, 30, 1)$

$996 : P_{31873} = \mathbf{P}(0, \eta^{18}, \eta^{24}, 1) = \mathbf{P}(0, 3, 30, 1)$

$997 : P_{31905} = \mathbf{P}(0, \eta^{2}, \eta^{24}, 1) = \mathbf{P}(0, 4, 30, 1)$

$998 : P_{31937} = \mathbf{P}(0, \eta^{5}, \eta^{24}, 1) = \mathbf{P}(0, 5, 30, 1)$

$999 : P_{31969} = \mathbf{P}(0, \eta^{19}, \eta^{24}, 1) = \mathbf{P}(0, 6, 30, 1)$

$1000 : P_{32001} = \mathbf{P}(0, \eta^{11}, \eta^{24}, 1) = \mathbf{P}(0, 7, 30, 1)$

$1001 : P_{32033} = \mathbf{P}(0, \eta^{3}, \eta^{24}, 1) = \mathbf{P}(0, 8, 30, 1)$

$1002 : P_{32065} = \mathbf{P}(0, \eta^{29}, \eta^{24}, 1) = \mathbf{P}(0, 9, 30, 1)$

$1003 : P_{32097} = \mathbf{P}(0, \eta^{6}, \eta^{24}, 1) = \mathbf{P}(0, 10, 30, 1)$

$1004 : P_{32129} = \mathbf{P}(0, \eta^{27}, \eta^{24}, 1) = \mathbf{P}(0, 11, 30, 1)$

$1005 : P_{32161} = \mathbf{P}(0, \eta^{20}, \eta^{24}, 1) = \mathbf{P}(0, 12, 30, 1)$

$1006 : P_{32193} = \mathbf{P}(0, \eta^{8}, \eta^{24}, 1) = \mathbf{P}(0, 13, 30, 1)$

$1007 : P_{32225} = \mathbf{P}(0, \eta^{12}, \eta^{24}, 1) = \mathbf{P}(0, 14, 30, 1)$

$1008 : P_{32257} = \mathbf{P}(0, \eta^{23}, \eta^{24}, 1) = \mathbf{P}(0, 15, 30, 1)$

$1009 : P_{32289} = \mathbf{P}(0, \eta^{4}, \eta^{24}, 1) = \mathbf{P}(0, 16, 30, 1)$

$1010 : P_{32321} = \mathbf{P}(0, \eta^{10}, \eta^{24}, 1) = \mathbf{P}(0, 17, 30, 1)$

$1011 : P_{32353} = \mathbf{P}(0, \eta^{30}, \eta^{24}, 1) = \mathbf{P}(0, 18, 30, 1)$

$1012 : P_{32385} = \mathbf{P}(0, \eta^{17}, \eta^{24}, 1) = \mathbf{P}(0, 19, 30, 1)$

$1013 : P_{32417} = \mathbf{P}(0, \eta^{7}, \eta^{24}, 1) = \mathbf{P}(0, 20, 30, 1)$

$1014 : P_{32449} = \mathbf{P}(0, \eta^{22}, \eta^{24}, 1) = \mathbf{P}(0, 21, 30, 1)$

$1015 : P_{32481} = \mathbf{P}(0, \eta^{28}, \eta^{24}, 1) = \mathbf{P}(0, 22, 30, 1)$

$1016 : P_{32513} = \mathbf{P}(0, \eta^{26}, \eta^{24}, 1) = \mathbf{P}(0, 23, 30, 1)$

$1017 : P_{32545} = \mathbf{P}(0, \eta^{21}, \eta^{24}, 1) = \mathbf{P}(0, 24, 30, 1)$

$1018 : P_{32577} = \mathbf{P}(0, \eta^{25}, \eta^{24}, 1) = \mathbf{P}(0, 25, 30, 1)$

$1019 : P_{32609} = \mathbf{P}(0, \eta^{9}, \eta^{24}, 1) = \mathbf{P}(0, 26, 30, 1)$

$1020 : P_{32641} = \mathbf{P}(0, \eta^{16}, \eta^{24}, 1) = \mathbf{P}(0, 27, 30, 1)$

$1021 : P_{32673} = \mathbf{P}(0, \eta^{13}, \eta^{24}, 1) = \mathbf{P}(0, 28, 30, 1)$

$1022 : P_{32705} = \mathbf{P}(0, \eta^{14}, \eta^{24}, 1) = \mathbf{P}(0, 29, 30, 1)$

$1023 : P_{32737} = \mathbf{P}(0, \eta^{24}, \eta^{24}, 1) = \mathbf{P}(0, 30, 30, 1)$

$1024 : P_{32769} = \mathbf{P}(0, \eta^{15}, \eta^{24}, 1) = \mathbf{P}(0, 31, 30, 1)$

$1025 : P_{32801} = \mathbf{P}(0, 0, \eta^{15}, 1) = \mathbf{P}(0, 0, 31, 1)$

$1026 : P_{32833} = \mathbf{P}(0, 1, \eta^{15}, 1) = \mathbf{P}(0, 1, 31, 1)$

$1027 : P_{32865} = \mathbf{P}(0, \eta, \eta^{15}, 1) = \mathbf{P}(0, 2, 31, 1)$

$1028 : P_{32897} = \mathbf{P}(0, \eta^{18}, \eta^{15}, 1) = \mathbf{P}(0, 3, 31, 1)$

$1029 : P_{32929} = \mathbf{P}(0, \eta^{2}, \eta^{15}, 1) = \mathbf{P}(0, 4, 31, 1)$

$1030 : P_{32961} = \mathbf{P}(0, \eta^{5}, \eta^{15}, 1) = \mathbf{P}(0, 5, 31, 1)$

$1031 : P_{32993} = \mathbf{P}(0, \eta^{19}, \eta^{15}, 1) = \mathbf{P}(0, 6, 31, 1)$

$1032 : P_{33025} = \mathbf{P}(0, \eta^{11}, \eta^{15}, 1) = \mathbf{P}(0, 7, 31, 1)$

$1033 : P_{33057} = \mathbf{P}(0, \eta^{3}, \eta^{15}, 1) = \mathbf{P}(0, 8, 31, 1)$

$1034 : P_{33089} = \mathbf{P}(0, \eta^{29}, \eta^{15}, 1) = \mathbf{P}(0, 9, 31, 1)$

$1035 : P_{33121} = \mathbf{P}(0, \eta^{6}, \eta^{15}, 1) = \mathbf{P}(0, 10, 31, 1)$

$1036 : P_{33153} = \mathbf{P}(0, \eta^{27}, \eta^{15}, 1) = \mathbf{P}(0, 11, 31, 1)$

$1037 : P_{33185} = \mathbf{P}(0, \eta^{20}, \eta^{15}, 1) = \mathbf{P}(0, 12, 31, 1)$

$1038 : P_{33217} = \mathbf{P}(0, \eta^{8}, \eta^{15}, 1) = \mathbf{P}(0, 13, 31, 1)$

$1039 : P_{33249} = \mathbf{P}(0, \eta^{12}, \eta^{15}, 1) = \mathbf{P}(0, 14, 31, 1)$

$1040 : P_{33281} = \mathbf{P}(0, \eta^{23}, \eta^{15}, 1) = \mathbf{P}(0, 15, 31, 1)$

$1041 : P_{33313} = \mathbf{P}(0, \eta^{4}, \eta^{15}, 1) = \mathbf{P}(0, 16, 31, 1)$

$1042 : P_{33345} = \mathbf{P}(0, \eta^{10}, \eta^{15}, 1) = \mathbf{P}(0, 17, 31, 1)$

$1043 : P_{33377} = \mathbf{P}(0, \eta^{30}, \eta^{15}, 1) = \mathbf{P}(0, 18, 31, 1)$

$1044 : P_{33409} = \mathbf{P}(0, \eta^{17}, \eta^{15}, 1) = \mathbf{P}(0, 19, 31, 1)$

$1045 : P_{33441} = \mathbf{P}(0, \eta^{7}, \eta^{15}, 1) = \mathbf{P}(0, 20, 31, 1)$

$1046 : P_{33473} = \mathbf{P}(0, \eta^{22}, \eta^{15}, 1) = \mathbf{P}(0, 21, 31, 1)$

$1047 : P_{33505} = \mathbf{P}(0, \eta^{28}, \eta^{15}, 1) = \mathbf{P}(0, 22, 31, 1)$

$1048 : P_{33537} = \mathbf{P}(0, \eta^{26}, \eta^{15}, 1) = \mathbf{P}(0, 23, 31, 1)$

$1049 : P_{33569} = \mathbf{P}(0, \eta^{21}, \eta^{15}, 1) = \mathbf{P}(0, 24, 31, 1)$

$1050 : P_{33601} = \mathbf{P}(0, \eta^{25}, \eta^{15}, 1) = \mathbf{P}(0, 25, 31, 1)$

$1051 : P_{33633} = \mathbf{P}(0, \eta^{9}, \eta^{15}, 1) = \mathbf{P}(0, 26, 31, 1)$

$1052 : P_{33665} = \mathbf{P}(0, \eta^{16}, \eta^{15}, 1) = \mathbf{P}(0, 27, 31, 1)$

$1053 : P_{33697} = \mathbf{P}(0, \eta^{13}, \eta^{15}, 1) = \mathbf{P}(0, 28, 31, 1)$

$1054 : P_{33729} = \mathbf{P}(0, \eta^{14}, \eta^{15}, 1) = \mathbf{P}(0, 29, 31, 1)$

$1055 : P_{33761} = \mathbf{P}(0, \eta^{24}, \eta^{15}, 1) = \mathbf{P}(0, 30, 31, 1)$

$1056 : P_{33793} = \mathbf{P}(0, \eta^{15}, \eta^{15}, 1) = \mathbf{P}(0, 31, 31, 1)$

The 1057 Lines

The lines and their Pluecker coordinates are:

$$\ell_0 = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \end{array} \right]_{1082368} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \end{array} \right]_{1082368} = \mathbf{Pl}(0,0,0,0,0,1)_{34849}$$

$$\ell_1 = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{array} \right]_{1082400} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{array} \right]_{1082400} = \mathbf{Pl}(0,0,0,1,0,0)_{65}$$

$$\ell_2 = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 1 \end{array} \right]_{1082369} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 1 \end{array} \right]_{1082369} = \mathbf{Pl}(0,0,0,1,0,1)_{36865}$$

$$\ell_3 = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^{30} \end{array} \right]_{1082386} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 18 \end{array} \right]_{1082386} = \mathbf{Pl}(0,0,0,18,0,1)_{37936}$$

$$\ell_4 = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^{13} \end{array} \right]_{1082396} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 28 \end{array} \right]_{1082396} = \mathbf{Pl}(0,0,0,28,0,1)_{38566}$$

$$\ell_5 = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^{29} \end{array} \right]_{1082377} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 9 \end{array} \right]_{1082377} = \mathbf{Pl}(0,0,0,9,0,1)_{37369}$$

$$\ell_6 = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^{26} \end{bmatrix}_{1082391} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 23 \end{bmatrix}_{1082391} = \mathbf{Pl}(0,0,0,23,0,1)_{38251}$$

$$\ell_7 = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^{12} \end{bmatrix}_{1082382} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 14 \end{bmatrix}_{1082382} = \mathbf{Pl}(0,0,0,14,0,1)_{37684}$$

$$\ell_8 = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^{20} \end{bmatrix}_{1082380} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 12 \end{bmatrix}_{1082380} = \mathbf{Pl}(0,0,0,12,0,1)_{37558}$$

$$\ell_9 = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^{28} \end{bmatrix}_{1082390} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 22 \end{bmatrix}_{1082390} = \mathbf{Pl}(0,0,0,22,0,1)_{38188}$$

$$\ell_{10} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^2 \end{bmatrix}_{1082372} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{1082372} = \mathbf{Pl}(0,0,0,4,0,1)_{37054}$$

$$\ell_{11} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^{25} \end{bmatrix}_{1082393} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 25 \end{bmatrix}_{1082393} = \mathbf{Pl}(0,0,0,25,0,1)_{38377}$$

$$\ell_{12} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^4 \end{bmatrix}_{1082384} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 16 \end{bmatrix}_{1082384} = \mathbf{Pl}(0,0,0,16,0,1)_{37810}$$

$$\ell_{13} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^{11} \end{bmatrix}_{1082375} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{1082375} = \mathbf{Pl}(0,0,0,7,0,1)_{37243}$$

$$\ell_{14} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^{23} \end{bmatrix}_{1082383} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 15 \end{bmatrix}_{1082383} = \mathbf{Pl}(0,0,0,15,0,1)_{37747}$$

$$\ell_{15} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^{19} \end{bmatrix}_{1082374} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{1082374} = \mathbf{Pl}(0,0,0,6,0,1)_{37180}$$

$$\ell_{16} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^8 \end{bmatrix}_{1082381} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 13 \end{bmatrix}_{1082381} = \mathbf{Pl}(0,0,0,13,0,1)_{37621}$$

$$\ell_{17} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^{27} \end{bmatrix}_{1082379} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 11 \end{bmatrix}_{1082379} = \mathbf{Pl}(0,0,0,11,0,1)_{37495}$$

$$\ell_{18} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^{21} \end{bmatrix}_{1082392} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 24 \end{bmatrix}_{1082392} = \mathbf{Pl}(0,0,0,24,0,1)_{38314}$$

$$\ell_{19} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta \end{bmatrix}_{1082370} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{1082370} = \mathbf{Pl}(0,0,0,2,0,1)_{36928}$$

$$\ell_{20} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^{14} \end{bmatrix}_{1082397} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 29 \end{bmatrix}_{1082397} = \mathbf{Pl}(0,0,0,29,0,1)_{38629}$$

$$\ell_{21} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^{24} \end{bmatrix}_{1082398} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 30 \end{bmatrix}_{1082398} = \mathbf{Pl}(0,0,0,30,0,1)_{38692}$$

$$\ell_{22} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^9 \end{bmatrix}_{1082394} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 26 \end{bmatrix}_{1082394} = \mathbf{Pl}(0,0,0,26,0,1)_{38440}$$

$$\ell_{23} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^3 \end{bmatrix}_{1082376} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 8 \end{bmatrix}_{1082376} = \mathbf{Pl}(0,0,0,8,0,1)_{37306}$$

$$\ell_{24} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^5 \end{bmatrix}_{1082373} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{1082373} = \mathbf{Pl}(0,0,0,5,0,1)_{37117}$$

$$\ell_{25} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^{10} \end{bmatrix}_{1082385} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 17 \end{bmatrix}_{1082385} = \mathbf{Pl}(0,0,0,17,0,1)_{37873}$$

$$\ell_{26} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^6 \end{bmatrix}_{1082378} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 10 \end{bmatrix}_{1082378} = \mathbf{Pl}(0,0,0,10,0,1)_{37432}$$

$$\ell_{27} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^{22} \end{array}\right]_{1082389} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 21 \end{array}\right]_{1082389} = \mathbf{Pl}(0,0,0,21,0,1)_{38125}$$

$$\ell_{28} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^{15} \end{array}\right]_{1082399} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 31 \end{array}\right]_{1082399} = \mathbf{Pl}(0,0,0,31,0,1)_{38755}$$

$$\ell_{29} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^{18} \end{array}\right]_{1082371} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 3 \end{array}\right]_{1082371} = \mathbf{Pl}(0,0,0,3,0,1)_{36991}$$

$$\ell_{30} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^{17} \end{array}\right]_{1082387} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 19 \end{array}\right]_{1082387} = \mathbf{Pl}(0,0,0,19,0,1)_{37999}$$

$$\ell_{31} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^{7} \end{array}\right]_{1082388} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 20 \end{array}\right]_{1082388} = \mathbf{Pl}(0,0,0,20,0,1)_{38062}$$

$$\ell_{32} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \eta^{16} \end{array}\right]_{1082395} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 27 \end{array}\right]_{1082395} = \mathbf{Pl}(0,0,0,27,0,1)_{38503}$$

$$\ell_{33} = \left[\begin{array}{cccc} 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1083424} = \left[\begin{array}{cccc} 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1083424} = \mathbf{Pl}(0,1,0,0,0,0)_{1}$$

$$\ell_{34} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 0 \end{array}\right]_{1082401} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 0 \end{array}\right]_{1082401} = \mathbf{Pl}(0,1,0,0,0,1)_{34881}$$

$$\ell_{35} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & 0 \end{array}\right]_{1082962} = \left[\begin{array}{cccc} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 0 \end{array}\right]_{1082962} = \mathbf{Pl}(0,18,0,0,0,1)_{34898}$$

$$\ell_{36} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & 0 \end{array}\right]_{1083292} = \left[\begin{array}{cccc} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 0 \end{array}\right]_{1083292} = \mathbf{Pl}(0,28,0,0,0,1)_{34908}$$

$$\ell_{37} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & 0 \end{array}\right]_{1082665} = \left[\begin{array}{cccc} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 0 \end{array}\right]_{1082665} = \mathbf{Pl}(0,9,0,0,0,1)_{34889}$$

$$\ell_{38} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & 0 \end{array}\right]_{1083127} = \left[\begin{array}{cccc} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 0 \end{array}\right]_{1083127} = \mathbf{Pl}(0,23,0,0,0,1)_{34903}$$

$$\ell_{39} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & 0 \end{array}\right]_{1082830} = \left[\begin{array}{cccc} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 0 \end{array}\right]_{1082830} = \mathbf{Pl}(0,14,0,0,0,1)_{34894}$$

$$\ell_{40} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & 0 \end{array}\right]_{1082764} = \left[\begin{array}{cccc} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 0 \end{array}\right]_{1082764} = \mathbf{Pl}(0,12,0,0,0,1)_{34892}$$

$$\ell_{41} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & 0 \end{array}\right]_{1083094} = \left[\begin{array}{cccc} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 0 \end{array}\right]_{1083094} = \mathbf{Pl}(0,22,0,0,0,1)_{34902}$$

$$\ell_{42} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{2} \\ 0 & 0 & 1 & 0 \end{array}\right]_{1082500} = \left[\begin{array}{cccc} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 0 \end{array}\right]_{1082500} = \mathbf{Pl}(0,4,0,0,0,1)_{34884}$$

$$\ell_{43} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & 0 \end{array}\right]_{1083193} = \left[\begin{array}{cccc} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 0 \end{array}\right]_{1083193} = \mathbf{Pl}(0,25,0,0,0,1)_{34905}$$

$$\ell_{44} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{4} \\ 0 & 0 & 1 & 0 \end{array}\right]_{1082896} = \left[\begin{array}{cccc} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 0 \end{array}\right]_{1082896} = \mathbf{Pl}(0,16,0,0,0,1)_{34896}$$

$$\ell_{45} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & 0 \end{array}\right]_{1082599} = \left[\begin{array}{cccc} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 0 \end{array}\right]_{1082599} = \mathbf{Pl}(0,7,0,0,0,1)_{34887}$$

$$\ell_{46} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & 0 \end{array}\right]_{1082863} = \left[\begin{array}{cccc} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 0 \end{array}\right]_{1082863} = \mathbf{Pl}(0,15,0,0,0,1)_{34895}$$

$$\ell_{47} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & 0 \end{array}\right]_{1082566} = \left[\begin{array}{cccc} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 0 \end{array}\right]_{1082566} = \mathbf{Pl}(0,6,0,0,0,1)_{34886}$$

13

$$\ell_{48} = \begin{bmatrix} 0 & 1 & 0 & \eta^8 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1082797} = \begin{bmatrix} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1082797} = \mathbf{Pl}(0, 13, 0, 0, 0, 1)_{34893}$$

$$\ell_{49} = \begin{bmatrix} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1082731} = \begin{bmatrix} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1082731} = \mathbf{Pl}(0, 11, 0, 0, 0, 1)_{34891}$$

$$\ell_{50} = \begin{bmatrix} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1083160} = \begin{bmatrix} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1083160} = \mathbf{Pl}(0, 24, 0, 0, 0, 1)_{34904}$$

$$\ell_{51} = \begin{bmatrix} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1082434} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1082434} = \mathbf{Pl}(0, 2, 0, 0, 0, 1)_{34882}$$

$$\ell_{52} = \begin{bmatrix} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1083325} = \begin{bmatrix} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1083325} = \mathbf{Pl}(0, 29, 0, 0, 0, 1)_{34909}$$

$$\ell_{53} = \begin{bmatrix} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1083358} = \begin{bmatrix} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1083358} = \mathbf{Pl}(0, 30, 0, 0, 0, 1)_{34910}$$

$$\ell_{54} = \begin{bmatrix} 0 & 1 & 0 & \eta^9 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1083226} = \begin{bmatrix} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1083226} = \mathbf{Pl}(0, 26, 0, 0, 0, 1)_{34906}$$

$$\ell_{55} = \begin{bmatrix} 0 & 1 & 0 & \eta^3 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1082632} = \begin{bmatrix} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1082632} = \mathbf{Pl}(0, 8, 0, 0, 0, 1)_{34888}$$

$$\ell_{56} = \begin{bmatrix} 0 & 1 & 0 & \eta^5 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1082533} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1082533} = \mathbf{Pl}(0, 5, 0, 0, 0, 1)_{34885}$$

$$\ell_{57} = \begin{bmatrix} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1082929} = \begin{bmatrix} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1082929} = \mathbf{Pl}(0, 17, 0, 0, 0, 1)_{34897}$$

$$\ell_{58} = \begin{bmatrix} 0 & 1 & 0 & \eta^6 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1082698} = \begin{bmatrix} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1082698} = \mathbf{Pl}(0, 10, 0, 0, 0, 1)_{34890}$$

$$\ell_{59} = \begin{bmatrix} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1083061} = \begin{bmatrix} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1083061} = \mathbf{Pl}(0, 21, 0, 0, 0, 1)_{34901}$$

$$\ell_{60} = \begin{bmatrix} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1083391} = \begin{bmatrix} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1083391} = \mathbf{Pl}(0, 31, 0, 0, 0, 1)_{34911}$$

$$\ell_{61} = \begin{bmatrix} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1082467} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1082467} = \mathbf{Pl}(0, 3, 0, 0, 0, 1)_{34883}$$

$$\ell_{62} = \begin{bmatrix} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1082995} = \begin{bmatrix} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1082995} = \mathbf{Pl}(0, 19, 0, 0, 0, 1)_{34899}$$

$$\ell_{63} = \begin{bmatrix} 0 & 1 & 0 & \eta^7 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1083028} = \begin{bmatrix} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1083028} = \mathbf{Pl}(0, 20, 0, 0, 0, 1)_{34900}$$

$$\ell_{64} = \begin{bmatrix} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1083259} = \begin{bmatrix} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{1083259} = \mathbf{Pl}(0, 27, 0, 0, 0, 1)_{34907}$$

$$\ell_{65} = \begin{bmatrix} 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1082433} = \begin{bmatrix} 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1082433} = \mathbf{Pl}(0, 1, 0, 1, 0, 0)_{97}$$

$$\ell_{66} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1082402} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1082402} = \mathbf{Pl}(0, 1, 0, 1, 0, 1)_{36897}$$

$$\ell_{67} = \begin{bmatrix} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{30} \end{bmatrix}_{1082980} = \begin{bmatrix} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 18 \end{bmatrix}_{1082980} = \mathbf{Pl}(0, 18, 0, 18, 0, 1)_{37985}$$

$$\ell_{68} = \begin{bmatrix} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{13} \end{bmatrix}_{1083320} = \begin{bmatrix} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 28 \end{bmatrix}_{1083320} = \mathbf{Pl}(0, 28, 0, 28, 0, 1)_{38625}$$

$$\ell_{69} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{29} \end{array}\right]_{1082674} = \left[\begin{array}{cccc} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 9 \end{array}\right]_{1082674} = \mathbf{Pl}(0,9,0,9,0,1)_{37409}$$

$$\ell_{70} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{26} \end{array}\right]_{1083150} = \left[\begin{array}{cccc} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 23 \end{array}\right]_{1083150} = \mathbf{Pl}(0,23,0,23,0,1)_{38305}$$

$$\ell_{71} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{12} \end{array}\right]_{1082844} = \left[\begin{array}{cccc} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 14 \end{array}\right]_{1082844} = \mathbf{Pl}(0,14,0,14,0,1)_{37729}$$

$$\ell_{72} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{20} \end{array}\right]_{1082776} = \left[\begin{array}{cccc} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 12 \end{array}\right]_{1082776} = \mathbf{Pl}(0,12,0,12,0,1)_{37601}$$

$$\ell_{73} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{28} \end{array}\right]_{1083116} = \left[\begin{array}{cccc} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 22 \end{array}\right]_{1083116} = \mathbf{Pl}(0,22,0,22,0,1)_{38241}$$

$$\ell_{74} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{2} \\ 0 & 0 & 1 & \eta^{2} \end{array}\right]_{1082504} = \left[\begin{array}{cccc} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 4 \end{array}\right]_{1082504} = \mathbf{Pl}(0,4,0,4,0,1)_{37089}$$

$$\ell_{75} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{25} \end{array}\right]_{1083218} = \left[\begin{array}{cccc} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 25 \end{array}\right]_{1083218} = \mathbf{Pl}(0,25,0,25,0,1)_{38433}$$

$$\ell_{76} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{4} \\ 0 & 0 & 1 & \eta^{4} \end{array}\right]_{1082912} = \left[\begin{array}{cccc} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 16 \end{array}\right]_{1082912} = \mathbf{Pl}(0,16,0,16,0,1)_{37857}$$

$$\ell_{77} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{11} \end{array}\right]_{1082606} = \left[\begin{array}{cccc} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 7 \end{array}\right]_{1082606} = \mathbf{Pl}(0,7,0,7,0,1)_{37281}$$

$$\ell_{78} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{23} \end{array}\right]_{1082878} = \left[\begin{array}{cccc} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 15 \end{array}\right]_{1082878} = \mathbf{Pl}(0,15,0,15,0,1)_{37793}$$

$$\ell_{79} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{19} \end{array}\right]_{1082572} = \left[\begin{array}{cccc} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 6 \end{array}\right]_{1082572} = \mathbf{Pl}(0,6,0,6,0,1)_{37217}$$

$$\ell_{80} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta^{8} \end{array}\right]_{1082810} = \left[\begin{array}{cccc} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 13 \end{array}\right]_{1082810} = \mathbf{Pl}(0,13,0,13,0,1)_{37665}$$

$$\ell_{81} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{27} \end{array}\right]_{1082742} = \left[\begin{array}{cccc} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 11 \end{array}\right]_{1082742} = \mathbf{Pl}(0,11,0,11,0,1)_{37537}$$

$$\ell_{82} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{21} \end{array}\right]_{1083184} = \left[\begin{array}{cccc} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 24 \end{array}\right]_{1083184} = \mathbf{Pl}(0,24,0,24,0,1)_{38369}$$

$$\ell_{83} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta \end{array}\right]_{1082436} = \left[\begin{array}{cccc} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 2 \end{array}\right]_{1082436} = \mathbf{Pl}(0,2,0,2,0,1)_{36961}$$

$$\ell_{84} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{14} \end{array}\right]_{1083354} = \left[\begin{array}{cccc} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 29 \end{array}\right]_{1083354} = \mathbf{Pl}(0,29,0,29,0,1)_{38689}$$

$$\ell_{85} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{24} \end{array}\right]_{1083388} = \left[\begin{array}{cccc} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 30 \end{array}\right]_{1083388} = \mathbf{Pl}(0,30,0,30,0,1)_{38753}$$

$$\ell_{86} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{9} \end{array}\right]_{1083252} = \left[\begin{array}{cccc} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 26 \end{array}\right]_{1083252} = \mathbf{Pl}(0,26,0,26,0,1)_{38497}$$

$$\ell_{87} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{3} \\ 0 & 0 & 1 & \eta^{3} \end{array}\right]_{1082640} = \left[\begin{array}{cccc} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 8 \end{array}\right]_{1082640} = \mathbf{Pl}(0,8,0,8,0,1)_{37345}$$

$$\ell_{88} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{5} \\ 0 & 0 & 1 & \eta^{5} \end{array}\right]_{1082538} = \left[\begin{array}{cccc} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 5 \end{array}\right]_{1082538} = \mathbf{Pl}(0,5,0,5,0,1)_{37153}$$

$$\ell_{89} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{10} \end{array}\right]_{1082946} = \left[\begin{array}{cccc} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 17 \end{array}\right]_{1082946} = \mathbf{Pl}(0,17,0,17,0,1)_{37921}$$

$$\ell_{90} = \begin{bmatrix} 0 & 1 & 0 & \eta^6 \\ 0 & 0 & 1 & \eta^6 \end{bmatrix}_{1082708} = \begin{bmatrix} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 10 \end{bmatrix}_{1082708} = \mathbf{Pl}(0,10,0,10,0,1)_{37473}$$

$$\ell_{91} = \begin{bmatrix} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{22} \end{bmatrix}_{1083082} = \begin{bmatrix} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 21 \end{bmatrix}_{1083082} = \mathbf{Pl}(0,21,0,21,0,1)_{38177}$$

$$\ell_{92} = \begin{bmatrix} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{15} \end{bmatrix}_{1083422} = \begin{bmatrix} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 31 \end{bmatrix}_{1083422} = \mathbf{Pl}(0,31,0,31,0,1)_{38817}$$

$$\ell_{93} = \begin{bmatrix} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{18} \end{bmatrix}_{1082470} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{1082470} = \mathbf{Pl}(0,3,0,3,0,1)_{37025}$$

$$\ell_{94} = \begin{bmatrix} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{17} \end{bmatrix}_{1083014} = \begin{bmatrix} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 19 \end{bmatrix}_{1083014} = \mathbf{Pl}(0,19,0,19,0,1)_{38049}$$

$$\ell_{95} = \begin{bmatrix} 0 & 1 & 0 & \eta^7 \\ 0 & 0 & 1 & \eta^7 \end{bmatrix}_{1083048} = \begin{bmatrix} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 20 \end{bmatrix}_{1083048} = \mathbf{Pl}(0,20,0,20,0,1)_{38113}$$

$$\ell_{96} = \begin{bmatrix} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{16} \end{bmatrix}_{1083286} = \begin{bmatrix} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 27 \end{bmatrix}_{1083286} = \mathbf{Pl}(0,27,0,27,0,1)_{38561}$$

$$\ell_{97} = \begin{bmatrix} 0 & 1 & \eta^{30} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1082994} = \begin{bmatrix} 0 & 1 & 18 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1082994} = \mathbf{Pl}(0,18,0,1,0,0)_{114}$$

$$\ell_{98} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta \end{bmatrix}_{1082403} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{1082403} = \mathbf{Pl}(0,1,0,2,0,1)_{36960}$$

$$\ell_{99} = \begin{bmatrix} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1082963} = \begin{bmatrix} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1082963} = \mathbf{Pl}(0,18,0,1,0,1)_{36914}$$

$$\ell_{100} = \begin{bmatrix} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{14} \end{bmatrix}_{1083321} = \begin{bmatrix} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 29 \end{bmatrix}_{1083321} = \mathbf{Pl}(0,28,0,29,0,1)_{38688}$$

$$\ell_{101} = \begin{bmatrix} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{30} \end{bmatrix}_{1082683} = \begin{bmatrix} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 18 \end{bmatrix}_{1082683} = \mathbf{Pl}(0,9,0,18,0,1)_{37976}$$

$$\ell_{102} = \begin{bmatrix} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{27} \end{bmatrix}_{1083138} = \begin{bmatrix} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 11 \end{bmatrix}_{1083138} = \mathbf{Pl}(0,23,0,11,0,1)_{37549}$$

$$\ell_{103} = \begin{bmatrix} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{13} \end{bmatrix}_{1082858} = \begin{bmatrix} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 28 \end{bmatrix}_{1082858} = \mathbf{Pl}(0,14,0,28,0,1)_{38611}$$

$$\ell_{104} = \begin{bmatrix} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{21} \end{bmatrix}_{1082788} = \begin{bmatrix} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 24 \end{bmatrix}_{1082788} = \mathbf{Pl}(0,12,0,24,0,1)_{38357}$$

$$\ell_{105} = \begin{bmatrix} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{29} \end{bmatrix}_{1083103} = \begin{bmatrix} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 9 \end{bmatrix}_{1083103} = \mathbf{Pl}(0,22,0,9,0,1)_{37422}$$

$$\ell_{106} = \begin{bmatrix} 0 & 1 & 0 & \eta^2 \\ 0 & 0 & 1 & \eta^3 \end{bmatrix}_{1082508} = \begin{bmatrix} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 8 \end{bmatrix}_{1082508} = \mathbf{Pl}(0,4,0,8,0,1)_{37341}$$

$$\ell_{107} = \begin{bmatrix} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{26} \end{bmatrix}_{1083216} = \begin{bmatrix} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 23 \end{bmatrix}_{1083216} = \mathbf{Pl}(0,25,0,23,0,1)_{38307}$$

$$\ell_{108} = \begin{bmatrix} 0 & 1 & 0 & \eta^4 \\ 0 & 0 & 1 & \eta^5 \end{bmatrix}_{1082901} = \begin{bmatrix} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{1082901} = \mathbf{Pl}(0,16,0,5,0,1)_{37164}$$

$$\ell_{109} = \begin{bmatrix} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{12} \end{bmatrix}_{1082613} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 14 \end{bmatrix}_{1082613} = \mathbf{Pl}(0,7,0,14,0,1)_{37722}$$

$$\ell_{110} = \begin{bmatrix} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{24} \end{bmatrix}_{1082893} = \begin{bmatrix} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 30 \end{bmatrix}_{1082893} = \mathbf{Pl}(0,15,0,30,0,1)_{38738}$$

$$\ell_{111} = \begin{bmatrix} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{20} \end{bmatrix}_{1082578} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 12 \end{bmatrix}_{1082578} = \mathbf{Pl}(0,6,0,12,0,1)_{37595}$$

$$\ell_{112} = \begin{bmatrix} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta^{9} \end{bmatrix}_{1082823} = \begin{bmatrix} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 26 \end{bmatrix}_{1082823} = \mathbf{Pl}(0,13,0,26,0,1)_{38484}$$

$$\ell_{113} = \begin{bmatrix} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{28} \end{bmatrix}_{1082753} = \begin{bmatrix} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 22 \end{bmatrix}_{1082753} = \mathbf{Pl}(0,11,0,22,0,1)_{38230}$$

$$\ell_{114} = \begin{bmatrix} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{22} \end{bmatrix}_{1083181} = \begin{bmatrix} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 21 \end{bmatrix}_{1083181} = \mathbf{Pl}(0,24,0,21,0,1)_{38180}$$

$$\ell_{115} = \begin{bmatrix} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{2} \end{bmatrix}_{1082438} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{1082438} = \mathbf{Pl}(0,2,0,4,0,1)_{37087}$$

$$\ell_{116} = \begin{bmatrix} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{15} \end{bmatrix}_{1083356} = \begin{bmatrix} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 31 \end{bmatrix}_{1083356} = \mathbf{Pl}(0,29,0,31,0,1)_{38815}$$

$$\ell_{117} = \begin{bmatrix} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{25} \end{bmatrix}_{1083383} = \begin{bmatrix} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 25 \end{bmatrix}_{1083383} = \mathbf{Pl}(0,30,0,25,0,1)_{38438}$$

$$\ell_{118} = \begin{bmatrix} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{10} \end{bmatrix}_{1083243} = \begin{bmatrix} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 17 \end{bmatrix}_{1083243} = \mathbf{Pl}(0,26,0,17,0,1)_{37930}$$

$$\ell_{119} = \begin{bmatrix} 0 & 1 & 0 & \eta^{3} \\ 0 & 0 & 1 & \eta^{4} \end{bmatrix}_{1082648} = \begin{bmatrix} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 16 \end{bmatrix}_{1082648} = \mathbf{Pl}(0,8,0,16,0,1)_{37849}$$

$$\ell_{120} = \begin{bmatrix} 0 & 1 & 0 & \eta^{5} \\ 0 & 0 & 1 & \eta^{6} \end{bmatrix}_{1082543} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 10 \end{bmatrix}_{1082543} = \mathbf{Pl}(0,5,0,10,0,1)_{37468}$$

$$\ell_{121} = \begin{bmatrix} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{11} \end{bmatrix}_{1082936} = \begin{bmatrix} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{1082936} = \mathbf{Pl}(0,17,0,7,0,1)_{37291}$$

$$\ell_{122} = \begin{bmatrix} 0 & 1 & 0 & \eta^{6} \\ 0 & 0 & 1 & \eta^{7} \end{bmatrix}_{1082718} = \begin{bmatrix} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 20 \end{bmatrix}_{1082718} = \mathbf{Pl}(0,10,0,20,0,1)_{38103}$$

$$\ell_{123} = \begin{bmatrix} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{23} \end{bmatrix}_{1083076} = \begin{bmatrix} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 15 \end{bmatrix}_{1083076} = \mathbf{Pl}(0,21,0,15,0,1)_{37799}$$

$$\ell_{124} = \begin{bmatrix} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{16} \end{bmatrix}_{1083418} = \begin{bmatrix} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 27 \end{bmatrix}_{1083418} = \mathbf{Pl}(0,31,0,27,0,1)_{38565}$$

$$\ell_{125} = \begin{bmatrix} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{19} \end{bmatrix}_{1082473} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{1082473} = \mathbf{Pl}(0,3,0,6,0,1)_{37214}$$

$$\ell_{126} = \begin{bmatrix} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{18} \end{bmatrix}_{1082998} = \begin{bmatrix} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{1082998} = \mathbf{Pl}(0,19,0,3,0,1)_{37041}$$

$$\ell_{127} = \begin{bmatrix} 0 & 1 & 0 & \eta^{7} \\ 0 & 0 & 1 & \eta^{8} \end{bmatrix}_{1083041} = \begin{bmatrix} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 13 \end{bmatrix}_{1083041} = \mathbf{Pl}(0,20,0,13,0,1)_{37672}$$

$$\ell_{128} = \begin{bmatrix} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{17} \end{bmatrix}_{1083278} = \begin{bmatrix} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 19 \end{bmatrix}_{1083278} = \mathbf{Pl}(0,27,0,19,0,1)_{38057}$$

$$\ell_{129} = \begin{bmatrix} 0 & 1 & \eta^{13} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1083324} = \begin{bmatrix} 0 & 1 & 28 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1083324} = \mathbf{Pl}(0,28,0,1,0,0)_{124}$$

$$\ell_{130} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{18} \end{bmatrix}_{1082404} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{1082404} = \mathbf{Pl}(0,1,0,3,0,1)_{37023}$$

$$\ell_{131} = \begin{bmatrix} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{17} \end{bmatrix}_{1082981} = \begin{bmatrix} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 19 \end{bmatrix}_{1082981} = \mathbf{Pl}(0,18,0,19,0,1)_{38048}$$

$$\ell_{132} = \begin{bmatrix} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1083293} = \begin{bmatrix} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1083293} = \mathbf{Pl}(0, 28, 0, 1, 0, 1)_{36924}$$

$$\ell_{133} = \begin{bmatrix} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{16} \end{bmatrix}_{1082692} = \begin{bmatrix} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 27 \end{bmatrix}_{1082692} = \mathbf{Pl}(0, 9, 0, 27, 0, 1)_{38543}$$

$$\ell_{134} = \begin{bmatrix} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{13} \end{bmatrix}_{1083155} = \begin{bmatrix} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 28 \end{bmatrix}_{1083155} = \mathbf{Pl}(0, 23, 0, 28, 0, 1)_{38620}$$

$$\ell_{135} = \begin{bmatrix} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{30} \end{bmatrix}_{1082848} = \begin{bmatrix} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 18 \end{bmatrix}_{1082848} = \mathbf{Pl}(0, 14, 0, 18, 0, 1)_{37981}$$

$$\ell_{136} = \begin{bmatrix} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{7} \end{bmatrix}_{1082784} = \begin{bmatrix} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 20 \end{bmatrix}_{1082784} = \mathbf{Pl}(0, 12, 0, 20, 0, 1)_{38105}$$

$$\ell_{137} = \begin{bmatrix} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{15} \end{bmatrix}_{1083125} = \begin{bmatrix} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 31 \end{bmatrix}_{1083125} = \mathbf{Pl}(0, 22, 0, 31, 0, 1)_{38808}$$

$$\ell_{138} = \begin{bmatrix} 0 & 1 & 0 & \eta^{2} \\ 0 & 0 & 1 & \eta^{20} \end{bmatrix}_{1082512} = \begin{bmatrix} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 12 \end{bmatrix}_{1082512} = \mathbf{Pl}(0, 4, 0, 12, 0, 1)_{37593}$$

$$\ell_{139} = \begin{bmatrix} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{12} \end{bmatrix}_{1083207} = \begin{bmatrix} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 14 \end{bmatrix}_{1083207} = \mathbf{Pl}(0, 25, 0, 14, 0, 1)_{37740}$$

$$\ell_{140} = \begin{bmatrix} 0 & 1 & 0 & \eta^{4} \\ 0 & 0 & 1 & \eta^{22} \end{bmatrix}_{1082917} = \begin{bmatrix} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 21 \end{bmatrix}_{1082917} = \mathbf{Pl}(0, 16, 0, 21, 0, 1)_{38172}$$

$$\ell_{141} = \begin{bmatrix} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{29} \end{bmatrix}_{1082608} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 9 \end{bmatrix}_{1082608} = \mathbf{Pl}(0, 7, 0, 9, 0, 1)_{37407}$$

$$\ell_{142} = \begin{bmatrix} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{10} \end{bmatrix}_{1082880} = \begin{bmatrix} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 17 \end{bmatrix}_{1082880} = \mathbf{Pl}(0, 15, 0, 17, 0, 1)_{37919}$$

$$\ell_{143} = \begin{bmatrix} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{6} \end{bmatrix}_{1082576} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 10 \end{bmatrix}_{1082576} = \mathbf{Pl}(0, 6, 0, 10, 0, 1)_{37469}$$

$$\ell_{144} = \begin{bmatrix} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta^{26} \end{bmatrix}_{1082820} = \begin{bmatrix} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 23 \end{bmatrix}_{1082820} = \mathbf{Pl}(0, 13, 0, 23, 0, 1)_{38295}$$

$$\ell_{145} = \begin{bmatrix} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{14} \end{bmatrix}_{1082760} = \begin{bmatrix} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 29 \end{bmatrix}_{1082760} = \mathbf{Pl}(0, 11, 0, 29, 0, 1)_{38671}$$

$$\ell_{146} = \begin{bmatrix} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{8} \end{bmatrix}_{1083173} = \begin{bmatrix} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 13 \end{bmatrix}_{1083173} = \mathbf{Pl}(0, 24, 0, 13, 0, 1)_{37676}$$

$$\ell_{147} = \begin{bmatrix} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{19} \end{bmatrix}_{1082440} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{1082440} = \mathbf{Pl}(0, 2, 0, 6, 0, 1)_{37213}$$

$$\ell_{148} = \begin{bmatrix} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta \end{bmatrix}_{1083327} = \begin{bmatrix} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{1083327} = \mathbf{Pl}(0, 29, 0, 2, 0, 1)_{36988}$$

$$\ell_{149} = \begin{bmatrix} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{11} \end{bmatrix}_{1083365} = \begin{bmatrix} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{1083365} = \mathbf{Pl}(0, 30, 0, 7, 0, 1)_{37304}$$

$$\ell_{150} = \begin{bmatrix} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{27} \end{bmatrix}_{1083237} = \begin{bmatrix} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 11 \end{bmatrix}_{1083237} = \mathbf{Pl}(0, 26, 0, 11, 0, 1)_{37552}$$

$$\ell_{151} = \begin{bmatrix} 0 & 1 & 0 & \eta^{3} \\ 0 & 0 & 1 & \eta^{21} \end{bmatrix}_{1082656} = \begin{bmatrix} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 24 \end{bmatrix}_{1082656} = \mathbf{Pl}(0, 8, 0, 24, 0, 1)_{38353}$$

$$\ell_{152} = \begin{bmatrix} 0 & 1 & 0 & \eta^{5} \\ 0 & 0 & 1 & \eta^{23} \end{bmatrix}_{1082548} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 15 \end{bmatrix}_{1082548} = \mathbf{Pl}(0, 5, 0, 15, 0, 1)_{37783}$$

18

$$\ell_{153} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{28} \end{array} \right]_{1082951} = \left[\begin{array}{cccc} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 22 \end{array} \right]_{1082951} = \mathbf{Pl}(0,17,0,22,0,1)_{38236}$$

$$\ell_{154} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{6} \\ 0 & 0 & 1 & \eta^{24} \end{array} \right]_{1082728} = \left[\begin{array}{cccc} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 30 \end{array} \right]_{1082728} = \mathbf{Pl}(0,10,0,30,0,1)_{38733}$$

$$\ell_{155} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{9} \end{array} \right]_{1083087} = \left[\begin{array}{cccc} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 26 \end{array} \right]_{1083087} = \mathbf{Pl}(0,21,0,26,0,1)_{38492}$$

$$\ell_{156} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{2} \end{array} \right]_{1083395} = \left[\begin{array}{cccc} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 4 \end{array} \right]_{1083395} = \mathbf{Pl}(0,31,0,4,0,1)_{37116}$$

$$\ell_{157} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{5} \end{array} \right]_{1082472} = \left[\begin{array}{cccc} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 5 \end{array} \right]_{1082472} = \mathbf{Pl}(0,3,0,5,0,1)_{37151}$$

$$\ell_{158} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{4} \end{array} \right]_{1083011} = \left[\begin{array}{cccc} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 16 \end{array} \right]_{1083011} = \mathbf{Pl}(0,19,0,16,0,1)_{37860}$$

$$\ell_{159} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{7} \\ 0 & 0 & 1 & \eta^{25} \end{array} \right]_{1083053} = \left[\begin{array}{cccc} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 25 \end{array} \right]_{1083053} = \mathbf{Pl}(0,20,0,25,0,1)_{38428}$$

$$\ell_{160} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{3} \end{array} \right]_{1083267} = \left[\begin{array}{cccc} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 8 \end{array} \right]_{1083267} = \mathbf{Pl}(0,27,0,8,0,1)_{37364}$$

$$\ell_{161} = \left[\begin{array}{cccc} 0 & 1 & \eta^{29} & 0 \\ 0 & 0 & 0 & 1 \end{array} \right]_{1082697} = \left[\begin{array}{cccc} 0 & 1 & 9 & 0 \\ 0 & 0 & 0 & 1 \end{array} \right]_{1082697} = \mathbf{Pl}(0,9,0,1,0,0)_{105}$$

$$\ell_{162} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{2} \end{array} \right]_{1082405} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 4 \end{array} \right]_{1082405} = \mathbf{Pl}(0,1,0,4,0,1)_{37086}$$

$$\ell_{163} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta \end{array} \right]_{1082964} = \left[\begin{array}{cccc} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 2 \end{array} \right]_{1082964} = \mathbf{Pl}(0,18,0,2,0,1)_{36977}$$

$$\ell_{164} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{15} \end{array} \right]_{1083323} = \left[\begin{array}{cccc} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 31 \end{array} \right]_{1083323} = \mathbf{Pl}(0,28,0,31,0,1)_{38814}$$

$$\ell_{165} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & 1 \end{array} \right]_{1082666} = \left[\begin{array}{cccc} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 1 \end{array} \right]_{1082666} = \mathbf{Pl}(0,9,0,1,0,1)_{36905}$$

$$\ell_{166} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{28} \end{array} \right]_{1083149} = \left[\begin{array}{cccc} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 22 \end{array} \right]_{1083149} = \mathbf{Pl}(0,23,0,22,0,1)_{38242}$$

$$\ell_{167} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{14} \end{array} \right]_{1082859} = \left[\begin{array}{cccc} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 29 \end{array} \right]_{1082859} = \mathbf{Pl}(0,14,0,29,0,1)_{38674}$$

$$\ell_{168} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{22} \end{array} \right]_{1082785} = \left[\begin{array}{cccc} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 21 \end{array} \right]_{1082785} = \mathbf{Pl}(0,12,0,21,0,1)_{38168}$$

$$\ell_{169} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{30} \end{array} \right]_{1083112} = \left[\begin{array}{cccc} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 18 \end{array} \right]_{1083112} = \mathbf{Pl}(0,22,0,18,0,1)_{37989}$$

$$\ell_{170} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{2} \\ 0 & 0 & 1 & \eta^{4} \end{array} \right]_{1082516} = \left[\begin{array}{cccc} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 16 \end{array} \right]_{1082516} = \mathbf{Pl}(0,4,0,16,0,1)_{37845}$$

$$\ell_{171} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{27} \end{array} \right]_{1083204} = \left[\begin{array}{cccc} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 11 \end{array} \right]_{1083204} = \mathbf{Pl}(0,25,0,11,0,1)_{37551}$$

$$\ell_{172} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{4} \\ 0 & 0 & 1 & \eta^{6} \end{array} \right]_{1082906} = \left[\begin{array}{cccc} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 10 \end{array} \right]_{1082906} = \mathbf{Pl}(0,16,0,10,0,1)_{37479}$$

$$\ell_{173} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{13} \end{array} \right]_{1082627} = \left[\begin{array}{cccc} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 28 \end{array} \right]_{1082627} = \mathbf{Pl}(0,7,0,28,0,1)_{38604}$$

$$\ell_{174} = \begin{bmatrix} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{25} \end{bmatrix}_{1082888} = \begin{bmatrix} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 25 \end{bmatrix}_{1082888} = \mathbf{Pl}(0,15,0,25,0,1)_{38423}$$

$$\ell_{175} = \begin{bmatrix} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{21} \end{bmatrix}_{1082590} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 24 \end{bmatrix}_{1082590} = \mathbf{Pl}(0,6,0,24,0,1)_{38351}$$

$$\ell_{176} = \begin{bmatrix} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta^{10} \end{bmatrix}_{1082814} = \begin{bmatrix} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 17 \end{bmatrix}_{1082814} = \mathbf{Pl}(0,13,0,17,0,1)_{37917}$$

$$\ell_{177} = \begin{bmatrix} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{29} \end{bmatrix}_{1082740} = \begin{bmatrix} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 9 \end{bmatrix}_{1082740} = \mathbf{Pl}(0,11,0,9,0,1)_{37411}$$

$$\ell_{178} = \begin{bmatrix} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{23} \end{bmatrix}_{1083175} = \begin{bmatrix} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 15 \end{bmatrix}_{1083175} = \mathbf{Pl}(0,24,0,15,0,1)_{37802}$$

$$\ell_{179} = \begin{bmatrix} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{3} \end{bmatrix}_{1082442} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 8 \end{bmatrix}_{1082442} = \mathbf{Pl}(0,2,0,8,0,1)_{37339}$$

$$\ell_{180} = \begin{bmatrix} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{16} \end{bmatrix}_{1083352} = \begin{bmatrix} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 27 \end{bmatrix}_{1083352} = \mathbf{Pl}(0,29,0,27,0,1)_{38563}$$

$$\ell_{181} = \begin{bmatrix} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{26} \end{bmatrix}_{1083381} = \begin{bmatrix} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 23 \end{bmatrix}_{1083381} = \mathbf{Pl}(0,30,0,23,0,1)_{38312}$$

$$\ell_{182} = \begin{bmatrix} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{11} \end{bmatrix}_{1083233} = \begin{bmatrix} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{1083233} = \mathbf{Pl}(0,26,0,7,0,1)_{37300}$$

$$\ell_{183} = \begin{bmatrix} 0 & 1 & 0 & \eta^{3} \\ 0 & 0 & 1 & \eta^{5} \end{bmatrix}_{1082637} = \begin{bmatrix} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{1082637} = \mathbf{Pl}(0,8,0,5,0,1)_{37156}$$

$$\ell_{184} = \begin{bmatrix} 0 & 1 & 0 & \eta^{5} \\ 0 & 0 & 1 & \eta^{7} \end{bmatrix}_{1082553} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 20 \end{bmatrix}_{1082553} = \mathbf{Pl}(0,5,0,20,0,1)_{38098}$$

$$\ell_{185} = \begin{bmatrix} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{12} \end{bmatrix}_{1082943} = \begin{bmatrix} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 14 \end{bmatrix}_{1082943} = \mathbf{Pl}(0,17,0,14,0,1)_{37732}$$

$$\ell_{186} = \begin{bmatrix} 0 & 1 & 0 & \eta^{6} \\ 0 & 0 & 1 & \eta^{8} \end{bmatrix}_{1082711} = \begin{bmatrix} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 13 \end{bmatrix}_{1082711} = \mathbf{Pl}(0,10,0,13,0,1)_{37662}$$

$$\ell_{187} = \begin{bmatrix} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{24} \end{bmatrix}_{1083091} = \begin{bmatrix} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 30 \end{bmatrix}_{1083091} = \mathbf{Pl}(0,21,0,30,0,1)_{38744}$$

$$\ell_{188} = \begin{bmatrix} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{17} \end{bmatrix}_{1083410} = \begin{bmatrix} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 19 \end{bmatrix}_{1083410} = \mathbf{Pl}(0,31,0,19,0,1)_{38061}$$

$$\ell_{189} = \begin{bmatrix} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{20} \end{bmatrix}_{1082479} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 12 \end{bmatrix}_{1082479} = \mathbf{Pl}(0,3,0,12,0,1)_{37592}$$

$$\ell_{190} = \begin{bmatrix} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{19} \end{bmatrix}_{1083001} = \begin{bmatrix} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{1083001} = \mathbf{Pl}(0,19,0,6,0,1)_{37230}$$

$$\ell_{191} = \begin{bmatrix} 0 & 1 & 0 & \eta^{7} \\ 0 & 0 & 1 & \eta^{9} \end{bmatrix}_{1083054} = \begin{bmatrix} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 26 \end{bmatrix}_{1083054} = \mathbf{Pl}(0,20,0,26,0,1)_{38491}$$

$$\ell_{192} = \begin{bmatrix} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{18} \end{bmatrix}_{1083262} = \begin{bmatrix} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{1083262} = \mathbf{Pl}(0,27,0,3,0,1)_{37049}$$

$$\ell_{193} = \begin{bmatrix} 0 & 1 & \eta^{26} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1083159} = \begin{bmatrix} 0 & 1 & 23 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1083159} = \mathbf{Pl}(0,23,0,1,0,0)_{119}$$

$$\ell_{194} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{5} \end{bmatrix}_{1082406} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{1082406} = \mathbf{Pl}(0,1,0,5,0,1)_{37149}$$

$$\ell_{195} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{4} \end{array}\right]_{1082978} = \left[\begin{array}{cccc} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 16 \end{array}\right]_{1082978} = \mathbf{Pl}(0,18,0,16,0,1)_{37859}$$

$$\ell_{196} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{18} \end{array}\right]_{1083295} = \left[\begin{array}{cccc} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 3 \end{array}\right]_{1083295} = \mathbf{Pl}(0,28,0,3,0,1)_{37050}$$

$$\ell_{197} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{3} \end{array}\right]_{1082673} = \left[\begin{array}{cccc} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 8 \end{array}\right]_{1082673} = \mathbf{Pl}(0,9,0,8,0,1)_{37346}$$

$$\ell_{198} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & 1 \end{array}\right]_{1083128} = \left[\begin{array}{cccc} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 1 \end{array}\right]_{1083128} = \mathbf{Pl}(0,23,0,1,0,1)_{36919}$$

$$\ell_{199} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{17} \end{array}\right]_{1082849} = \left[\begin{array}{cccc} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 19 \end{array}\right]_{1082849} = \mathbf{Pl}(0,14,0,19,0,1)_{38044}$$

$$\ell_{200} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{25} \end{array}\right]_{1082789} = \left[\begin{array}{cccc} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 25 \end{array}\right]_{1082789} = \mathbf{Pl}(0,12,0,25,0,1)_{38420}$$

$$\ell_{201} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{2} \end{array}\right]_{1083098} = \left[\begin{array}{cccc} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 4 \end{array}\right]_{1083098} = \mathbf{Pl}(0,22,0,4,0,1)_{37107}$$

$$\ell_{202} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{2} \\ 0 & 0 & 1 & \eta^{7} \end{array}\right]_{1082520} = \left[\begin{array}{cccc} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 20 \end{array}\right]_{1082520} = \mathbf{Pl}(0,4,0,20,0,1)_{38097}$$

$$\ell_{203} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{30} \end{array}\right]_{1083211} = \left[\begin{array}{cccc} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 18 \end{array}\right]_{1083211} = \mathbf{Pl}(0,25,0,18,0,1)_{37992}$$

$$\ell_{204} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{4} \\ 0 & 0 & 1 & \eta^{9} \end{array}\right]_{1082922} = \left[\begin{array}{cccc} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 26 \end{array}\right]_{1082922} = \mathbf{Pl}(0,16,0,26,0,1)_{38487}$$

$$\ell_{205} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{16} \end{array}\right]_{1082626} = \left[\begin{array}{cccc} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 27 \end{array}\right]_{1082626} = \mathbf{Pl}(0,7,0,27,0,1)_{38541}$$

$$\ell_{206} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{28} \end{array}\right]_{1082885} = \left[\begin{array}{cccc} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 22 \end{array}\right]_{1082885} = \mathbf{Pl}(0,15,0,22,0,1)_{38234}$$

$$\ell_{207} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{24} \end{array}\right]_{1082596} = \left[\begin{array}{cccc} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 30 \end{array}\right]_{1082596} = \mathbf{Pl}(0,6,0,30,0,1)_{38729}$$

$$\ell_{208} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta^{13} \end{array}\right]_{1082825} = \left[\begin{array}{cccc} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 28 \end{array}\right]_{1082825} = \mathbf{Pl}(0,13,0,28,0,1)_{38610}$$

$$\ell_{209} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta \end{array}\right]_{1082733} = \left[\begin{array}{cccc} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 2 \end{array}\right]_{1082733} = \mathbf{Pl}(0,11,0,2,0,1)_{36970}$$

$$\ell_{210} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{26} \end{array}\right]_{1083183} = \left[\begin{array}{cccc} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 23 \end{array}\right]_{1083183} = \mathbf{Pl}(0,24,0,23,0,1)_{38306}$$

$$\ell_{211} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{6} \end{array}\right]_{1082444} = \left[\begin{array}{cccc} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 10 \end{array}\right]_{1082444} = \mathbf{Pl}(0,2,0,10,0,1)_{37465}$$

$$\ell_{212} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{19} \end{array}\right]_{1083331} = \left[\begin{array}{cccc} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 6 \end{array}\right]_{1083331} = \mathbf{Pl}(0,29,0,6,0,1)_{37240}$$

$$\ell_{213} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{29} \end{array}\right]_{1083367} = \left[\begin{array}{cccc} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 9 \end{array}\right]_{1083367} = \mathbf{Pl}(0,30,0,9,0,1)_{37430}$$

$$\ell_{214} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{14} \end{array}\right]_{1083255} = \left[\begin{array}{cccc} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 29 \end{array}\right]_{1083255} = \mathbf{Pl}(0,26,0,29,0,1)_{38686}$$

$$\ell_{215} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{3} \\ 0 & 0 & 1 & \eta^{8} \end{array}\right]_{1082645} = \left[\begin{array}{cccc} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 13 \end{array}\right]_{1082645} = \mathbf{Pl}(0,8,0,13,0,1)_{37660}$$

$$\ell_{216} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^5 \\ 0 & 0 & 1 & \eta^{10} \end{array}\right]_{1082550} = \left[\begin{array}{cccc} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 17 \end{array}\right]_{1082550} = \mathbf{Pl}(0,5,0,17,0,1)_{37909}$$

$$\ell_{217} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{15} \end{array}\right]_{1082960} = \left[\begin{array}{cccc} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 31 \end{array}\right]_{1082960} = \mathbf{Pl}(0,17,0,31,0,1)_{38803}$$

$$\ell_{218} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^6 \\ 0 & 0 & 1 & \eta^{11} \end{array}\right]_{1082705} = \left[\begin{array}{cccc} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 7 \end{array}\right]_{1082705} = \mathbf{Pl}(0,10,0,7,0,1)_{37284}$$

$$\ell_{219} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{27} \end{array}\right]_{1083072} = \left[\begin{array}{cccc} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 11 \end{array}\right]_{1083072} = \mathbf{Pl}(0,21,0,11,0,1)_{37547}$$

$$\ell_{220} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{20} \end{array}\right]_{1083403} = \left[\begin{array}{cccc} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 12 \end{array}\right]_{1083403} = \mathbf{Pl}(0,31,0,12,0,1)_{37620}$$

$$\ell_{221} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{23} \end{array}\right]_{1082482} = \left[\begin{array}{cccc} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 15 \end{array}\right]_{1082482} = \mathbf{Pl}(0,3,0,15,0,1)_{37781}$$

$$\ell_{222} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{22} \end{array}\right]_{1083016} = \left[\begin{array}{cccc} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 21 \end{array}\right]_{1083016} = \mathbf{Pl}(0,19,0,21,0,1)_{38175}$$

$$\ell_{223} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^7 \\ 0 & 0 & 1 & \eta^{12} \end{array}\right]_{1083042} = \left[\begin{array}{cccc} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 14 \end{array}\right]_{1083042} = \mathbf{Pl}(0,20,0,14,0,1)_{37735}$$

$$\ell_{224} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{21} \end{array}\right]_{1083283} = \left[\begin{array}{cccc} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 24 \end{array}\right]_{1083283} = \mathbf{Pl}(0,27,0,24,0,1)_{38372}$$

$$\ell_{225} = \left[\begin{array}{cccc} 0 & 1 & \eta^{12} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1082862} = \left[\begin{array}{cccc} 0 & 1 & 14 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1082862} = \mathbf{Pl}(0,14,0,1,0,0)_{110}$$

$$\ell_{226} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{19} \end{array}\right]_{1082407} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 6 \end{array}\right]_{1082407} = \mathbf{Pl}(0,1,0,6,0,1)_{37212}$$

$$\ell_{227} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{18} \end{array}\right]_{1082965} = \left[\begin{array}{cccc} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 3 \end{array}\right]_{1082965} = \mathbf{Pl}(0,18,0,3,0,1)_{37040}$$

$$\ell_{228} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta \end{array}\right]_{1083294} = \left[\begin{array}{cccc} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 2 \end{array}\right]_{1083294} = \mathbf{Pl}(0,28,0,2,0,1)_{36987}$$

$$\ell_{229} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{17} \end{array}\right]_{1082684} = \left[\begin{array}{cccc} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 19 \end{array}\right]_{1082684} = \mathbf{Pl}(0,9,0,19,0,1)_{38039}$$

$$\ell_{230} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{14} \end{array}\right]_{1083156} = \left[\begin{array}{cccc} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 29 \end{array}\right]_{1083156} = \mathbf{Pl}(0,23,0,29,0,1)_{38683}$$

$$\ell_{231} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & 1 \end{array}\right]_{1082831} = \left[\begin{array}{cccc} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 1 \end{array}\right]_{1082831} = \mathbf{Pl}(0,14,0,1,0,1)_{36910}$$

$$\ell_{232} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^8 \end{array}\right]_{1082777} = \left[\begin{array}{cccc} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 13 \end{array}\right]_{1082777} = \mathbf{Pl}(0,12,0,13,0,1)_{37664}$$

$$\ell_{233} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{16} \end{array}\right]_{1083121} = \left[\begin{array}{cccc} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 27 \end{array}\right]_{1083121} = \mathbf{Pl}(0,22,0,27,0,1)_{38556}$$

$$\ell_{234} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^2 \\ 0 & 0 & 1 & \eta^{21} \end{array}\right]_{1082524} = \left[\begin{array}{cccc} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 24 \end{array}\right]_{1082524} = \mathbf{Pl}(0,4,0,24,0,1)_{38349}$$

$$\ell_{235} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{13} \end{array}\right]_{1083221} = \left[\begin{array}{cccc} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 28 \end{array}\right]_{1083221} = \mathbf{Pl}(0,25,0,28,0,1)_{38622}$$

$$\ell_{236} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^4 \\ 0 & 0 & 1 & \eta^{23} \end{array}\right]_{1082911} = \left[\begin{array}{cccc} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 15 \end{array}\right]_{1082911} = \mathbf{Pl}(0,16,0,15,0,1)_{37794}$$

$$\ell_{237} = \begin{bmatrix} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{30} \end{bmatrix}_{1082617} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 18 \end{bmatrix}_{1082617} = \mathbf{Pl}(0,7,0,18,0,1)_{37974}$$

$$\ell_{238} = \begin{bmatrix} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{11} \end{bmatrix}_{1082870} = \begin{bmatrix} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{1082870} = \mathbf{Pl}(0,15,0,7,0,1)_{37289}$$

$$\ell_{239} = \begin{bmatrix} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{7} \end{bmatrix}_{1082586} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 20 \end{bmatrix}_{1082586} = \mathbf{Pl}(0,6,0,20,0,1)_{38099}$$

$$\ell_{240} = \begin{bmatrix} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta^{27} \end{bmatrix}_{1082808} = \begin{bmatrix} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 11 \end{bmatrix}_{1082808} = \mathbf{Pl}(0,13,0,11,0,1)_{37539}$$

$$\ell_{241} = \begin{bmatrix} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{15} \end{bmatrix}_{1082762} = \begin{bmatrix} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 31 \end{bmatrix}_{1082762} = \mathbf{Pl}(0,11,0,31,0,1)_{38797}$$

$$\ell_{242} = \begin{bmatrix} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{9} \end{bmatrix}_{1083186} = \begin{bmatrix} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 26 \end{bmatrix}_{1083186} = \mathbf{Pl}(0,24,0,26,0,1)_{38495}$$

$$\ell_{243} = \begin{bmatrix} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{20} \end{bmatrix}_{1082446} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 12 \end{bmatrix}_{1082446} = \mathbf{Pl}(0,2,0,12,0,1)_{37591}$$

$$\ell_{244} = \begin{bmatrix} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{2} \end{bmatrix}_{1083329} = \begin{bmatrix} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{1083329} = \mathbf{Pl}(0,29,0,4,0,1)_{37114}$$

$$\ell_{245} = \begin{bmatrix} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{12} \end{bmatrix}_{1083372} = \begin{bmatrix} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 14 \end{bmatrix}_{1083372} = \mathbf{Pl}(0,30,0,14,0,1)_{37745}$$

$$\ell_{246} = \begin{bmatrix} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{28} \end{bmatrix}_{1083248} = \begin{bmatrix} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 22 \end{bmatrix}_{1083248} = \mathbf{Pl}(0,26,0,22,0,1)_{38245}$$

$$\ell_{247} = \begin{bmatrix} 0 & 1 & 0 & \eta^{3} \\ 0 & 0 & 1 & \eta^{22} \end{bmatrix}_{1082653} = \begin{bmatrix} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 21 \end{bmatrix}_{1082653} = \mathbf{Pl}(0,8,0,21,0,1)_{38164}$$

$$\ell_{248} = \begin{bmatrix} 0 & 1 & 0 & \eta^{5} \\ 0 & 0 & 1 & \eta^{24} \end{bmatrix}_{1082563} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 30 \end{bmatrix}_{1082563} = \mathbf{Pl}(0,5,0,30,0,1)_{38728}$$

$$\ell_{249} = \begin{bmatrix} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{29} \end{bmatrix}_{1082938} = \begin{bmatrix} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 9 \end{bmatrix}_{1082938} = \mathbf{Pl}(0,17,0,9,0,1)_{37417}$$

$$\ell_{250} = \begin{bmatrix} 0 & 1 & 0 & \eta^{6} \\ 0 & 0 & 1 & \eta^{25} \end{bmatrix}_{1082723} = \begin{bmatrix} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 25 \end{bmatrix}_{1082723} = \mathbf{Pl}(0,10,0,25,0,1)_{38418}$$

$$\ell_{251} = \begin{bmatrix} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{10} \end{bmatrix}_{1083078} = \begin{bmatrix} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 17 \end{bmatrix}_{1083078} = \mathbf{Pl}(0,21,0,17,0,1)_{37925}$$

$$\ell_{252} = \begin{bmatrix} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{3} \end{bmatrix}_{1083399} = \begin{bmatrix} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 8 \end{bmatrix}_{1083399} = \mathbf{Pl}(0,31,0,8,0,1)_{37368}$$

$$\ell_{253} = \begin{bmatrix} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{6} \end{bmatrix}_{1082477} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 10 \end{bmatrix}_{1082477} = \mathbf{Pl}(0,3,0,10,0,1)_{37466}$$

$$\ell_{254} = \begin{bmatrix} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{5} \end{bmatrix}_{1083000} = \begin{bmatrix} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{1083000} = \mathbf{Pl}(0,19,0,5,0,1)_{37167}$$

$$\ell_{255} = \begin{bmatrix} 0 & 1 & 0 & \eta^{7} \\ 0 & 0 & 1 & \eta^{26} \end{bmatrix}_{1083051} = \begin{bmatrix} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 23 \end{bmatrix}_{1083051} = \mathbf{Pl}(0,20,0,23,0,1)_{38302}$$

$$\ell_{256} = \begin{bmatrix} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{4} \end{bmatrix}_{1083275} = \begin{bmatrix} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 16 \end{bmatrix}_{1083275} = \mathbf{Pl}(0,27,0,16,0,1)_{37868}$$

$$\ell_{257} = \begin{bmatrix} 0 & 1 & \eta^{20} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1082796} = \begin{bmatrix} 0 & 1 & 12 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1082796} = \mathbf{Pl}(0,12,0,1,0,0)_{108}$$

$$\ell_{258} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{11} \end{array}\right]_{1082408} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 7 \end{array}\right]_{1082408} = \mathbf{Pl}(0,1,0,7,0,1)_{37275}$$

$$\ell_{259} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{10} \end{array}\right]_{1082979} = \left[\begin{array}{cccc} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 17 \end{array}\right]_{1082979} = \mathbf{Pl}(0,18,0,17,0,1)_{37922}$$

$$\ell_{260} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{24} \end{array}\right]_{1083322} = \left[\begin{array}{cccc} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 30 \end{array}\right]_{1083322} = \mathbf{Pl}(0,28,0,30,0,1)_{38751}$$

$$\ell_{261} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{9} \end{array}\right]_{1082691} = \left[\begin{array}{cccc} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 26 \end{array}\right]_{1082691} = \mathbf{Pl}(0,9,0,26,0,1)_{38480}$$

$$\ell_{262} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{6} \end{array}\right]_{1083137} = \left[\begin{array}{cccc} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 10 \end{array}\right]_{1083137} = \mathbf{Pl}(0,23,0,10,0,1)_{37486}$$

$$\ell_{263} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{23} \end{array}\right]_{1082845} = \left[\begin{array}{cccc} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 15 \end{array}\right]_{1082845} = \mathbf{Pl}(0,14,0,15,0,1)_{37792}$$

$$\ell_{264} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & 1 \end{array}\right]_{1082765} = \left[\begin{array}{cccc} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 1 \end{array}\right]_{1082765} = \mathbf{Pl}(0,12,0,1,0,1)_{36908}$$

$$\ell_{265} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{8} \end{array}\right]_{1083107} = \left[\begin{array}{cccc} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 13 \end{array}\right]_{1083107} = \mathbf{Pl}(0,22,0,13,0,1)_{37674}$$

$$\ell_{266} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{2} \\ 0 & 0 & 1 & \eta^{13} \end{array}\right]_{1082528} = \left[\begin{array}{cccc} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 28 \end{array}\right]_{1082528} = \mathbf{Pl}(0,4,0,28,0,1)_{38601}$$

$$\ell_{267} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{5} \end{array}\right]_{1083198} = \left[\begin{array}{cccc} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 5 \end{array}\right]_{1083198} = \mathbf{Pl}(0,25,0,5,0,1)_{37173}$$

$$\ell_{268} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{4} \\ 0 & 0 & 1 & \eta^{15} \end{array}\right]_{1082927} = \left[\begin{array}{cccc} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 31 \end{array}\right]_{1082927} = \mathbf{Pl}(0,16,0,31,0,1)_{38802}$$

$$\ell_{269} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{22} \end{array}\right]_{1082620} = \left[\begin{array}{cccc} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 21 \end{array}\right]_{1082620} = \mathbf{Pl}(0,7,0,21,0,1)_{38163}$$

$$\ell_{270} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{3} \end{array}\right]_{1082871} = \left[\begin{array}{cccc} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 8 \end{array}\right]_{1082871} = \mathbf{Pl}(0,15,0,8,0,1)_{37352}$$

$$\ell_{271} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{30} \end{array}\right]_{1082584} = \left[\begin{array}{cccc} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 18 \end{array}\right]_{1082584} = \mathbf{Pl}(0,6,0,18,0,1)_{37973}$$

$$\ell_{272} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta^{19} \end{array}\right]_{1082803} = \left[\begin{array}{cccc} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 6 \end{array}\right]_{1082803} = \mathbf{Pl}(0,13,0,6,0,1)_{37224}$$

$$\ell_{273} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{7} \end{array}\right]_{1082751} = \left[\begin{array}{cccc} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 20 \end{array}\right]_{1082751} = \mathbf{Pl}(0,11,0,20,0,1)_{38104}$$

$$\ell_{274} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta \end{array}\right]_{1083162} = \left[\begin{array}{cccc} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 2 \end{array}\right]_{1083162} = \mathbf{Pl}(0,24,0,2,0,1)_{36983}$$

$$\ell_{275} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{12} \end{array}\right]_{1082448} = \left[\begin{array}{cccc} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 14 \end{array}\right]_{1082448} = \mathbf{Pl}(0,2,0,14,0,1)_{37717}$$

$$\ell_{276} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{25} \end{array}\right]_{1083350} = \left[\begin{array}{cccc} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 25 \end{array}\right]_{1083350} = \mathbf{Pl}(0,29,0,25,0,1)_{38437}$$

$$\ell_{277} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{4} \end{array}\right]_{1083374} = \left[\begin{array}{cccc} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 16 \end{array}\right]_{1083374} = \mathbf{Pl}(0,30,0,16,0,1)_{37871}$$

$$\ell_{278} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{20} \end{array}\right]_{1083238} = \left[\begin{array}{cccc} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 12 \end{array}\right]_{1083238} = \mathbf{Pl}(0,26,0,12,0,1)_{37615}$$

$$\ell_{279} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^3 \\ 0 & 0 & 1 & \eta^{14} \end{array}\right]_{1082661} = \left[\begin{array}{cccc} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 29 \end{array}\right]_{1082661} = \mathbf{Pl}(0,8,0,29,0,1)_{38668}$$

$$\ell_{280} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^5 \\ 0 & 0 & 1 & \eta^{16} \end{array}\right]_{1082560} = \left[\begin{array}{cccc} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 27 \end{array}\right]_{1082560} = \mathbf{Pl}(0,5,0,27,0,1)_{38539}$$

$$\ell_{281} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{21} \end{array}\right]_{1082953} = \left[\begin{array}{cccc} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 24 \end{array}\right]_{1082953} = \mathbf{Pl}(0,17,0,24,0,1)_{38362}$$

$$\ell_{282} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^6 \\ 0 & 0 & 1 & \eta^{17} \end{array}\right]_{1082717} = \left[\begin{array}{cccc} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 19 \end{array}\right]_{1082717} = \mathbf{Pl}(0,10,0,19,0,1)_{38040}$$

$$\ell_{283} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^2 \end{array}\right]_{1083065} = \left[\begin{array}{cccc} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 4 \end{array}\right]_{1083065} = \mathbf{Pl}(0,21,0,4,0,1)_{37106}$$

$$\ell_{284} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{26} \end{array}\right]_{1083414} = \left[\begin{array}{cccc} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 23 \end{array}\right]_{1083414} = \mathbf{Pl}(0,31,0,23,0,1)_{38313}$$

$$\ell_{285} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{29} \end{array}\right]_{1082476} = \left[\begin{array}{cccc} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 9 \end{array}\right]_{1082476} = \mathbf{Pl}(0,3,0,9,0,1)_{37403}$$

$$\ell_{286} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{28} \end{array}\right]_{1083017} = \left[\begin{array}{cccc} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 22 \end{array}\right]_{1083017} = \mathbf{Pl}(0,19,0,22,0,1)_{38238}$$

$$\ell_{287} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^7 \\ 0 & 0 & 1 & \eta^{18} \end{array}\right]_{1083031} = \left[\begin{array}{cccc} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 3 \end{array}\right]_{1083031} = \mathbf{Pl}(0,20,0,3,0,1)_{37042}$$

$$\ell_{288} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{27} \end{array}\right]_{1083270} = \left[\begin{array}{cccc} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 11 \end{array}\right]_{1083270} = \mathbf{Pl}(0,27,0,11,0,1)_{37553}$$

$$\ell_{289} = \left[\begin{array}{cccc} 0 & 1 & \eta^{28} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1083126} = \left[\begin{array}{cccc} 0 & 1 & 22 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1083126} = \mathbf{Pl}(0,22,0,1,0,0)_{118}$$

$$\ell_{290} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^3 \end{array}\right]_{1082409} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 8 \end{array}\right]_{1082409} = \mathbf{Pl}(0,1,0,8,0,1)_{37338}$$

$$\ell_{291} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^2 \end{array}\right]_{1082966} = \left[\begin{array}{cccc} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 4 \end{array}\right]_{1082966} = \mathbf{Pl}(0,18,0,4,0,1)_{37103}$$

$$\ell_{292} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{16} \end{array}\right]_{1083319} = \left[\begin{array}{cccc} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 27 \end{array}\right]_{1083319} = \mathbf{Pl}(0,28,0,27,0,1)_{38562}$$

$$\ell_{293} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta \end{array}\right]_{1082667} = \left[\begin{array}{cccc} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 2 \end{array}\right]_{1082667} = \mathbf{Pl}(0,9,0,2,0,1)_{36968}$$

$$\ell_{294} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{29} \end{array}\right]_{1083136} = \left[\begin{array}{cccc} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 9 \end{array}\right]_{1083136} = \mathbf{Pl}(0,23,0,9,0,1)_{37423}$$

$$\ell_{295} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{15} \end{array}\right]_{1082861} = \left[\begin{array}{cccc} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 31 \end{array}\right]_{1082861} = \mathbf{Pl}(0,14,0,31,0,1)_{38800}$$

$$\ell_{296} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{23} \end{array}\right]_{1082779} = \left[\begin{array}{cccc} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 15 \end{array}\right]_{1082779} = \mathbf{Pl}(0,12,0,15,0,1)_{37790}$$

$$\ell_{297} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & 1 \end{array}\right]_{1083095} = \left[\begin{array}{cccc} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 1 \end{array}\right]_{1083095} = \mathbf{Pl}(0,22,0,1,0,1)_{36918}$$

$$\ell_{298} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^2 \\ 0 & 0 & 1 & \eta^5 \end{array}\right]_{1082505} = \left[\begin{array}{cccc} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 5 \end{array}\right]_{1082505} = \mathbf{Pl}(0,4,0,5,0,1)_{37152}$$

$$\ell_{299} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{28} \end{array}\right]_{1083215} = \left[\begin{array}{cccc} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 22 \end{array}\right]_{1083215} = \mathbf{Pl}(0,25,0,22,0,1)_{38244}$$

$$\ell_{300} = \begin{bmatrix} 0 & 1 & 0 & \eta^4 \\ 0 & 0 & 1 & \eta^7 \end{bmatrix}_{1082916} = \begin{bmatrix} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 20 \end{bmatrix}_{1082916} = \mathbf{Pl}(0, 16, 0, 20, 0, 1)_{38109}$$

$$\ell_{301} = \begin{bmatrix} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{14} \end{bmatrix}_{1082628} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 29 \end{bmatrix}_{1082628} = \mathbf{Pl}(0, 7, 0, 29, 0, 1)_{38667}$$

$$\ell_{302} = \begin{bmatrix} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{26} \end{bmatrix}_{1082886} = \begin{bmatrix} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 23 \end{bmatrix}_{1082886} = \mathbf{Pl}(0, 15, 0, 23, 0, 1)_{38297}$$

$$\ell_{303} = \begin{bmatrix} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{22} \end{bmatrix}_{1082587} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 21 \end{bmatrix}_{1082587} = \mathbf{Pl}(0, 6, 0, 21, 0, 1)_{38162}$$

$$\ell_{304} = \begin{bmatrix} 0 & 1 & 0 & \eta^8 \\ 0 & 0 & 1 & \eta^{11} \end{bmatrix}_{1082804} = \begin{bmatrix} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{1082804} = \mathbf{Pl}(0, 13, 0, 7, 0, 1)_{37287}$$

$$\ell_{305} = \begin{bmatrix} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{30} \end{bmatrix}_{1082749} = \begin{bmatrix} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 18 \end{bmatrix}_{1082749} = \mathbf{Pl}(0, 11, 0, 18, 0, 1)_{37978}$$

$$\ell_{306} = \begin{bmatrix} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{24} \end{bmatrix}_{1083190} = \begin{bmatrix} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 30 \end{bmatrix}_{1083190} = \mathbf{Pl}(0, 24, 0, 30, 0, 1)_{38747}$$

$$\ell_{307} = \begin{bmatrix} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^4 \end{bmatrix}_{1082450} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 16 \end{bmatrix}_{1082450} = \mathbf{Pl}(0, 2, 0, 16, 0, 1)_{37843}$$

$$\ell_{308} = \begin{bmatrix} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{17} \end{bmatrix}_{1083344} = \begin{bmatrix} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 19 \end{bmatrix}_{1083344} = \mathbf{Pl}(0, 29, 0, 19, 0, 1)_{38059}$$

$$\ell_{309} = \begin{bmatrix} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{27} \end{bmatrix}_{1083369} = \begin{bmatrix} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 11 \end{bmatrix}_{1083369} = \mathbf{Pl}(0, 30, 0, 11, 0, 1)_{37556}$$

$$\ell_{310} = \begin{bmatrix} 0 & 1 & 0 & \eta^9 \\ 0 & 0 & 1 & \eta^{12} \end{bmatrix}_{1083240} = \begin{bmatrix} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 14 \end{bmatrix}_{1083240} = \mathbf{Pl}(0, 26, 0, 14, 0, 1)_{37741}$$

$$\ell_{311} = \begin{bmatrix} 0 & 1 & 0 & \eta^3 \\ 0 & 0 & 1 & \eta^6 \end{bmatrix}_{1082642} = \begin{bmatrix} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 10 \end{bmatrix}_{1082642} = \mathbf{Pl}(0, 8, 0, 10, 0, 1)_{37471}$$

$$\ell_{312} = \begin{bmatrix} 0 & 1 & 0 & \eta^5 \\ 0 & 0 & 1 & \eta^8 \end{bmatrix}_{1082546} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 13 \end{bmatrix}_{1082546} = \mathbf{Pl}(0, 5, 0, 13, 0, 1)_{37657}$$

$$\ell_{313} = \begin{bmatrix} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{13} \end{bmatrix}_{1082957} = \begin{bmatrix} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 28 \end{bmatrix}_{1082957} = \mathbf{Pl}(0, 17, 0, 28, 0, 1)_{38614}$$

$$\ell_{314} = \begin{bmatrix} 0 & 1 & 0 & \eta^6 \\ 0 & 0 & 1 & \eta^9 \end{bmatrix}_{1082724} = \begin{bmatrix} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 26 \end{bmatrix}_{1082724} = \mathbf{Pl}(0, 10, 0, 26, 0, 1)_{38481}$$

$$\ell_{315} = \begin{bmatrix} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{25} \end{bmatrix}_{1083086} = \begin{bmatrix} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 25 \end{bmatrix}_{1083086} = \mathbf{Pl}(0, 21, 0, 25, 0, 1)_{38429}$$

$$\ell_{316} = \begin{bmatrix} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{18} \end{bmatrix}_{1083394} = \begin{bmatrix} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{1083394} = \mathbf{Pl}(0, 31, 0, 3, 0, 1)_{37053}$$

$$\ell_{317} = \begin{bmatrix} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{21} \end{bmatrix}_{1082491} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 24 \end{bmatrix}_{1082491} = \mathbf{Pl}(0, 3, 0, 24, 0, 1)_{38348}$$

$$\ell_{318} = \begin{bmatrix} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{20} \end{bmatrix}_{1083007} = \begin{bmatrix} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 12 \end{bmatrix}_{1083007} = \mathbf{Pl}(0, 19, 0, 12, 0, 1)_{37608}$$

$$\ell_{319} = \begin{bmatrix} 0 & 1 & 0 & \eta^7 \\ 0 & 0 & 1 & \eta^{10} \end{bmatrix}_{1083045} = \begin{bmatrix} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 17 \end{bmatrix}_{1083045} = \mathbf{Pl}(0, 20, 0, 17, 0, 1)_{37924}$$

$$\ell_{320} = \begin{bmatrix} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{19} \end{bmatrix}_{1083265} = \begin{bmatrix} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{1083265} = \mathbf{Pl}(0, 27, 0, 6, 0, 1)_{37238}$$

$$\ell_{321} = \left[\begin{array}{cccc} 0 & 1 & \eta^2 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1082532} = \left[\begin{array}{cccc} 0 & 1 & 4 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1082532} = \mathbf{Pl}(0,4,0,1,0,0)_{100}$$

$$\ell_{322} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{29} \end{array}\right]_{1082410} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 9 \end{array}\right]_{1082410} = \mathbf{Pl}(0,1,0,9,0,1)_{37401}$$

$$\ell_{323} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{28} \end{array}\right]_{1082984} = \left[\begin{array}{cccc} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 22 \end{array}\right]_{1082984} = \mathbf{Pl}(0,18,0,22,0,1)_{38237}$$

$$\ell_{324} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{11} \end{array}\right]_{1083299} = \left[\begin{array}{cccc} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 7 \end{array}\right]_{1083299} = \mathbf{Pl}(0,28,0,7,0,1)_{37302}$$

$$\ell_{325} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{27} \end{array}\right]_{1082676} = \left[\begin{array}{cccc} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 11 \end{array}\right]_{1082676} = \mathbf{Pl}(0,9,0,11,0,1)_{37535}$$

$$\ell_{326} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{24} \end{array}\right]_{1083157} = \left[\begin{array}{cccc} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 30 \end{array}\right]_{1083157} = \mathbf{Pl}(0,23,0,30,0,1)_{38746}$$

$$\ell_{327} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{10} \end{array}\right]_{1082847} = \left[\begin{array}{cccc} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 17 \end{array}\right]_{1082847} = \mathbf{Pl}(0,14,0,17,0,1)_{37918}$$

$$\ell_{328} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{18} \end{array}\right]_{1082767} = \left[\begin{array}{cccc} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 3 \end{array}\right]_{1082767} = \mathbf{Pl}(0,12,0,3,0,1)_{37034}$$

$$\ell_{329} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{26} \end{array}\right]_{1083117} = \left[\begin{array}{cccc} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 23 \end{array}\right]_{1083117} = \mathbf{Pl}(0,22,0,23,0,1)_{38304}$$

$$\ell_{330} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^2 \\ 0 & 0 & 1 & 1 \end{array}\right]_{1082501} = \left[\begin{array}{cccc} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 1 \end{array}\right]_{1082501} = \mathbf{Pl}(0,4,0,1,0,1)_{36900}$$

$$\ell_{331} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{23} \end{array}\right]_{1083208} = \left[\begin{array}{cccc} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 15 \end{array}\right]_{1083208} = \mathbf{Pl}(0,25,0,15,0,1)_{37803}$$

$$\ell_{332} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^4 \\ 0 & 0 & 1 & \eta^2 \end{array}\right]_{1082900} = \left[\begin{array}{cccc} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 4 \end{array}\right]_{1082900} = \mathbf{Pl}(0,16,0,4,0,1)_{37101}$$

$$\ell_{333} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^9 \end{array}\right]_{1082625} = \left[\begin{array}{cccc} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 26 \end{array}\right]_{1082625} = \mathbf{Pl}(0,7,0,26,0,1)_{38478}$$

$$\ell_{334} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{21} \end{array}\right]_{1082887} = \left[\begin{array}{cccc} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 24 \end{array}\right]_{1082887} = \mathbf{Pl}(0,15,0,24,0,1)_{38360}$$

$$\ell_{335} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{17} \end{array}\right]_{1082585} = \left[\begin{array}{cccc} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 19 \end{array}\right]_{1082585} = \mathbf{Pl}(0,6,0,19,0,1)_{38036}$$

$$\ell_{336} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^8 \\ 0 & 0 & 1 & \eta^6 \end{array}\right]_{1082807} = \left[\begin{array}{cccc} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 10 \end{array}\right]_{1082807} = \mathbf{Pl}(0,13,0,10,0,1)_{37476}$$

$$\ell_{337} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{25} \end{array}\right]_{1082756} = \left[\begin{array}{cccc} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 25 \end{array}\right]_{1082756} = \mathbf{Pl}(0,11,0,25,0,1)_{38419}$$

$$\ell_{338} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{19} \end{array}\right]_{1083166} = \left[\begin{array}{cccc} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 6 \end{array}\right]_{1083166} = \mathbf{Pl}(0,24,0,6,0,1)_{37235}$$

$$\ell_{339} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{30} \end{array}\right]_{1082452} = \left[\begin{array}{cccc} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 18 \end{array}\right]_{1082452} = \mathbf{Pl}(0,2,0,18,0,1)_{37969}$$

$$\ell_{340} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{12} \end{array}\right]_{1083339} = \left[\begin{array}{cccc} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 14 \end{array}\right]_{1083339} = \mathbf{Pl}(0,29,0,14,0,1)_{37744}$$

$$\ell_{341} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{22} \end{array}\right]_{1083379} = \left[\begin{array}{cccc} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 21 \end{array}\right]_{1083379} = \mathbf{Pl}(0,30,0,21,0,1)_{38186}$$

$$\ell_{342} = \begin{bmatrix} 0 & 1 & 0 & \eta^9 \\ 0 & 0 & 1 & \eta^7 \end{bmatrix}_{1083246} = \begin{bmatrix} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 20 \end{bmatrix}_{1083246} = \mathbf{Pl}(0, 26, 0, 20, 0, 1)_{38119}$$

$$\ell_{343} = \begin{bmatrix} 0 & 1 & 0 & \eta^3 \\ 0 & 0 & 1 & \eta \end{bmatrix}_{1082634} = \begin{bmatrix} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{1082634} = \mathbf{Pl}(0, 8, 0, 2, 0, 1)_{36967}$$

$$\ell_{344} = \begin{bmatrix} 0 & 1 & 0 & \eta^5 \\ 0 & 0 & 1 & \eta^3 \end{bmatrix}_{1082541} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 8 \end{bmatrix}_{1082541} = \mathbf{Pl}(0, 5, 0, 8, 0, 1)_{37342}$$

$$\ell_{345} = \begin{bmatrix} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^8 \end{bmatrix}_{1082942} = \begin{bmatrix} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 13 \end{bmatrix}_{1082942} = \mathbf{Pl}(0, 17, 0, 13, 0, 1)_{37669}$$

$$\ell_{346} = \begin{bmatrix} 0 & 1 & 0 & \eta^6 \\ 0 & 0 & 1 & \eta^4 \end{bmatrix}_{1082714} = \begin{bmatrix} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 16 \end{bmatrix}_{1082714} = \mathbf{Pl}(0, 10, 0, 16, 0, 1)_{37851}$$

$$\ell_{347} = \begin{bmatrix} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{20} \end{bmatrix}_{1083073} = \begin{bmatrix} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 12 \end{bmatrix}_{1083073} = \mathbf{Pl}(0, 21, 0, 12, 0, 1)_{37610}$$

$$\ell_{348} = \begin{bmatrix} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{13} \end{bmatrix}_{1083419} = \begin{bmatrix} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 28 \end{bmatrix}_{1083419} = \mathbf{Pl}(0, 31, 0, 28, 0, 1)_{38628}$$

$$\ell_{349} = \begin{bmatrix} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{16} \end{bmatrix}_{1082494} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 27 \end{bmatrix}_{1082494} = \mathbf{Pl}(0, 3, 0, 27, 0, 1)_{38537}$$

$$\ell_{350} = \begin{bmatrix} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{15} \end{bmatrix}_{1083026} = \begin{bmatrix} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 31 \end{bmatrix}_{1083026} = \mathbf{Pl}(0, 19, 0, 31, 0, 1)_{38805}$$

$$\ell_{351} = \begin{bmatrix} 0 & 1 & 0 & \eta^7 \\ 0 & 0 & 1 & \eta^5 \end{bmatrix}_{1083033} = \begin{bmatrix} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{1083033} = \mathbf{Pl}(0, 20, 0, 5, 0, 1)_{37168}$$

$$\ell_{352} = \begin{bmatrix} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{14} \end{bmatrix}_{1083288} = \begin{bmatrix} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 29 \end{bmatrix}_{1083288} = \mathbf{Pl}(0, 27, 0, 29, 0, 1)_{38687}$$

$$\ell_{353} = \begin{bmatrix} 0 & 1 & \eta^{25} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1083225} = \begin{bmatrix} 0 & 1 & 25 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1083225} = \mathbf{Pl}(0, 25, 0, 1, 0, 0)_{121}$$

$$\ell_{354} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^6 \end{bmatrix}_{1082411} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 10 \end{bmatrix}_{1082411} = \mathbf{Pl}(0, 1, 0, 10, 0, 1)_{37464}$$

$$\ell_{355} = \begin{bmatrix} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^5 \end{bmatrix}_{1082967} = \begin{bmatrix} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{1082967} = \mathbf{Pl}(0, 18, 0, 5, 0, 1)_{37166}$$

$$\ell_{356} = \begin{bmatrix} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{19} \end{bmatrix}_{1083298} = \begin{bmatrix} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{1083298} = \mathbf{Pl}(0, 28, 0, 6, 0, 1)_{37239}$$

$$\ell_{357} = \begin{bmatrix} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^4 \end{bmatrix}_{1082681} = \begin{bmatrix} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 16 \end{bmatrix}_{1082681} = \mathbf{Pl}(0, 9, 0, 16, 0, 1)_{37850}$$

$$\ell_{358} = \begin{bmatrix} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta \end{bmatrix}_{1083129} = \begin{bmatrix} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{1083129} = \mathbf{Pl}(0, 23, 0, 2, 0, 1)_{36982}$$

$$\ell_{359} = \begin{bmatrix} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{18} \end{bmatrix}_{1082833} = \begin{bmatrix} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{1082833} = \mathbf{Pl}(0, 14, 0, 3, 0, 1)_{37036}$$

$$\ell_{360} = \begin{bmatrix} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{26} \end{bmatrix}_{1082787} = \begin{bmatrix} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 23 \end{bmatrix}_{1082787} = \mathbf{Pl}(0, 12, 0, 23, 0, 1)_{38294}$$

$$\ell_{361} = \begin{bmatrix} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^3 \end{bmatrix}_{1083102} = \begin{bmatrix} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 8 \end{bmatrix}_{1083102} = \mathbf{Pl}(0, 22, 0, 8, 0, 1)_{37359}$$

$$\ell_{362} = \begin{bmatrix} 0 & 1 & 0 & \eta^2 \\ 0 & 0 & 1 & \eta^8 \end{bmatrix}_{1082513} = \begin{bmatrix} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 13 \end{bmatrix}_{1082513} = \mathbf{Pl}(0, 4, 0, 13, 0, 1)_{37656}$$

$$\ell_{363} = \begin{bmatrix} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1083194} = \begin{bmatrix} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1083194} = \mathbf{Pl}(0,25,0,1,0,1)_{36921}$$

$$\ell_{364} = \begin{bmatrix} 0 & 1 & 0 & \eta^{4} \\ 0 & 0 & 1 & \eta^{10} \end{bmatrix}_{1082913} = \begin{bmatrix} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 17 \end{bmatrix}_{1082913} = \mathbf{Pl}(0,16,0,17,0,1)_{37920}$$

$$\ell_{365} = \begin{bmatrix} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{17} \end{bmatrix}_{1082618} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 19 \end{bmatrix}_{1082618} = \mathbf{Pl}(0,7,0,19,0,1)_{38037}$$

$$\ell_{366} = \begin{bmatrix} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{29} \end{bmatrix}_{1082872} = \begin{bmatrix} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 9 \end{bmatrix}_{1082872} = \mathbf{Pl}(0,15,0,9,0,1)_{37415}$$

$$\ell_{367} = \begin{bmatrix} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{25} \end{bmatrix}_{1082591} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 25 \end{bmatrix}_{1082591} = \mathbf{Pl}(0,6,0,25,0,1)_{38414}$$

$$\ell_{368} = \begin{bmatrix} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta^{14} \end{bmatrix}_{1082826} = \begin{bmatrix} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 29 \end{bmatrix}_{1082826} = \mathbf{Pl}(0,13,0,29,0,1)_{38673}$$

$$\ell_{369} = \begin{bmatrix} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{2} \end{bmatrix}_{1082735} = \begin{bmatrix} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{1082735} = \mathbf{Pl}(0,11,0,4,0,1)_{37096}$$

$$\ell_{370} = \begin{bmatrix} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{27} \end{bmatrix}_{1083171} = \begin{bmatrix} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 11 \end{bmatrix}_{1083171} = \mathbf{Pl}(0,24,0,11,0,1)_{37550}$$

$$\ell_{371} = \begin{bmatrix} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{7} \end{bmatrix}_{1082454} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 20 \end{bmatrix}_{1082454} = \mathbf{Pl}(0,2,0,20,0,1)_{38095}$$

$$\ell_{372} = \begin{bmatrix} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{20} \end{bmatrix}_{1083337} = \begin{bmatrix} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 12 \end{bmatrix}_{1083337} = \mathbf{Pl}(0,29,0,12,0,1)_{37618}$$

$$\ell_{373} = \begin{bmatrix} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{30} \end{bmatrix}_{1083376} = \begin{bmatrix} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 18 \end{bmatrix}_{1083376} = \mathbf{Pl}(0,30,0,18,0,1)_{37997}$$

$$\ell_{374} = \begin{bmatrix} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{15} \end{bmatrix}_{1083257} = \begin{bmatrix} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 31 \end{bmatrix}_{1083257} = \mathbf{Pl}(0,26,0,31,0,1)_{38812}$$

$$\ell_{375} = \begin{bmatrix} 0 & 1 & 0 & \eta^{3} \\ 0 & 0 & 1 & \eta^{9} \end{bmatrix}_{1082658} = \begin{bmatrix} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 26 \end{bmatrix}_{1082658} = \mathbf{Pl}(0,8,0,26,0,1)_{38479}$$

$$\ell_{376} = \begin{bmatrix} 0 & 1 & 0 & \eta^{5} \\ 0 & 0 & 1 & \eta^{11} \end{bmatrix}_{1082540} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{1082540} = \mathbf{Pl}(0,5,0,7,0,1)_{37279}$$

$$\ell_{377} = \begin{bmatrix} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{16} \end{bmatrix}_{1082956} = \begin{bmatrix} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 27 \end{bmatrix}_{1082956} = \mathbf{Pl}(0,17,0,27,0,1)_{38551}$$

$$\ell_{378} = \begin{bmatrix} 0 & 1 & 0 & \eta^{6} \\ 0 & 0 & 1 & \eta^{12} \end{bmatrix}_{1082712} = \begin{bmatrix} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 14 \end{bmatrix}_{1082712} = \mathbf{Pl}(0,10,0,14,0,1)_{37725}$$

$$\ell_{379} = \begin{bmatrix} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{28} \end{bmatrix}_{1083083} = \begin{bmatrix} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 22 \end{bmatrix}_{1083083} = \mathbf{Pl}(0,21,0,22,0,1)_{38240}$$

$$\ell_{380} = \begin{bmatrix} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{21} \end{bmatrix}_{1083415} = \begin{bmatrix} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 24 \end{bmatrix}_{1083415} = \mathbf{Pl}(0,31,0,24,0,1)_{38376}$$

$$\ell_{381} = \begin{bmatrix} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{24} \end{bmatrix}_{1082497} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 30 \end{bmatrix}_{1082497} = \mathbf{Pl}(0,3,0,30,0,1)_{38726}$$

$$\ell_{382} = \begin{bmatrix} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{23} \end{bmatrix}_{1083010} = \begin{bmatrix} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 15 \end{bmatrix}_{1083010} = \mathbf{Pl}(0,19,0,15,0,1)_{37797}$$

$$\ell_{383} = \begin{bmatrix} 0 & 1 & 0 & \eta^{7} \\ 0 & 0 & 1 & \eta^{13} \end{bmatrix}_{1083056} = \begin{bmatrix} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 28 \end{bmatrix}_{1083056} = \mathbf{Pl}(0,20,0,28,0,1)_{38617}$$

$$\ell_{384} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{22} \end{array}\right]_{1083280} = \left[\begin{array}{cccc} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 21 \end{array}\right]_{1083280} = \mathbf{Pl}(0,27,0,21,0,1)_{38183}$$

$$\ell_{385} = \left[\begin{array}{cccc} 0 & 1 & \eta^{4} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1082928} = \left[\begin{array}{cccc} 0 & 1 & 16 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1082928} = \mathbf{Pl}(0,16,0,1,0,0)_{112}$$

$$\ell_{386} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{27} \end{array}\right]_{1082412} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 11 \end{array}\right]_{1082412} = \mathbf{Pl}(0,1,0,11,0,1)_{37527}$$

$$\ell_{387} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{26} \end{array}\right]_{1082985} = \left[\begin{array}{cccc} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 23 \end{array}\right]_{1082985} = \mathbf{Pl}(0,18,0,23,0,1)_{38300}$$

$$\ell_{388} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{9} \end{array}\right]_{1083318} = \left[\begin{array}{cccc} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 26 \end{array}\right]_{1083318} = \mathbf{Pl}(0,28,0,26,0,1)_{38499}$$

$$\ell_{389} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{25} \end{array}\right]_{1082690} = \left[\begin{array}{cccc} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 25 \end{array}\right]_{1082690} = \mathbf{Pl}(0,9,0,25,0,1)_{38417}$$

$$\ell_{390} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{22} \end{array}\right]_{1083148} = \left[\begin{array}{cccc} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 21 \end{array}\right]_{1083148} = \mathbf{Pl}(0,23,0,21,0,1)_{38179}$$

$$\ell_{391} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{8} \end{array}\right]_{1082843} = \left[\begin{array}{cccc} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 13 \end{array}\right]_{1082843} = \mathbf{Pl}(0,14,0,13,0,1)_{37666}$$

$$\ell_{392} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{16} \end{array}\right]_{1082791} = \left[\begin{array}{cccc} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 27 \end{array}\right]_{1082791} = \mathbf{Pl}(0,12,0,27,0,1)_{38546}$$

$$\ell_{393} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{24} \end{array}\right]_{1083124} = \left[\begin{array}{cccc} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 30 \end{array}\right]_{1083124} = \mathbf{Pl}(0,22,0,30,0,1)_{38745}$$

$$\ell_{394} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{2} \\ 0 & 0 & 1 & \eta^{29} \end{array}\right]_{1082509} = \left[\begin{array}{cccc} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 9 \end{array}\right]_{1082509} = \mathbf{Pl}(0,4,0,9,0,1)_{37404}$$

$$\ell_{395} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{21} \end{array}\right]_{1083217} = \left[\begin{array}{cccc} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 24 \end{array}\right]_{1083217} = \mathbf{Pl}(0,25,0,24,0,1)_{38370}$$

$$\ell_{396} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{4} \\ 0 & 0 & 1 & 1 \end{array}\right]_{1082897} = \left[\begin{array}{cccc} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 1 \end{array}\right]_{1082897} = \mathbf{Pl}(0,16,0,1,0,1)_{36912}$$

$$\ell_{397} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{7} \end{array}\right]_{1082619} = \left[\begin{array}{cccc} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 20 \end{array}\right]_{1082619} = \mathbf{Pl}(0,7,0,20,0,1)_{38100}$$

$$\ell_{398} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{19} \end{array}\right]_{1082869} = \left[\begin{array}{cccc} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 6 \end{array}\right]_{1082869} = \mathbf{Pl}(0,15,0,6,0,1)_{37226}$$

$$\ell_{399} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{15} \end{array}\right]_{1082597} = \left[\begin{array}{cccc} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 31 \end{array}\right]_{1082597} = \mathbf{Pl}(0,6,0,31,0,1)_{38792}$$

$$\ell_{400} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta^{4} \end{array}\right]_{1082813} = \left[\begin{array}{cccc} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 16 \end{array}\right]_{1082813} = \mathbf{Pl}(0,13,0,16,0,1)_{37854}$$

$$\ell_{401} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{23} \end{array}\right]_{1082746} = \left[\begin{array}{cccc} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 15 \end{array}\right]_{1082746} = \mathbf{Pl}(0,11,0,15,0,1)_{37789}$$

$$\ell_{402} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{17} \end{array}\right]_{1083179} = \left[\begin{array}{cccc} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 19 \end{array}\right]_{1083179} = \mathbf{Pl}(0,24,0,19,0,1)_{38054}$$

$$\ell_{403} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{28} \end{array}\right]_{1082456} = \left[\begin{array}{cccc} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 22 \end{array}\right]_{1082456} = \mathbf{Pl}(0,2,0,22,0,1)_{38221}$$

$$\ell_{404} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{10} \end{array}\right]_{1083342} = \left[\begin{array}{cccc} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 17 \end{array}\right]_{1083342} = \mathbf{Pl}(0,29,0,17,0,1)_{37933}$$

$$\ell_{405} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{20} \end{array} \right]_{1083370} = \left[\begin{array}{cccc} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 12 \end{array} \right]_{1083370} = \mathbf{Pl}(0, 30, 0, 12, 0, 1)_{37619}$$

$$\ell_{406} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{5} \end{array} \right]_{1083231} = \left[\begin{array}{cccc} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 5 \end{array} \right]_{1083231} = \mathbf{Pl}(0, 26, 0, 5, 0, 1)_{37174}$$

$$\ell_{407} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{3} \\ 0 & 0 & 1 & \eta^{30} \end{array} \right]_{1082650} = \left[\begin{array}{cccc} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 18 \end{array} \right]_{1082650} = \mathbf{Pl}(0, 8, 0, 18, 0, 1)_{37975}$$

$$\ell_{408} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{5} \\ 0 & 0 & 1 & \eta \end{array} \right]_{1082535} = \left[\begin{array}{cccc} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 2 \end{array} \right]_{1082535} = \mathbf{Pl}(0, 5, 0, 2, 0, 1)_{36964}$$

$$\ell_{409} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{6} \end{array} \right]_{1082939} = \left[\begin{array}{cccc} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 10 \end{array} \right]_{1082939} = \mathbf{Pl}(0, 17, 0, 10, 0, 1)_{37480}$$

$$\ell_{410} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{6} \\ 0 & 0 & 1 & \eta^{2} \end{array} \right]_{1082702} = \left[\begin{array}{cccc} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 4 \end{array} \right]_{1082702} = \mathbf{Pl}(0, 10, 0, 4, 0, 1)_{37095}$$

$$\ell_{411} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{18} \end{array} \right]_{1083064} = \left[\begin{array}{cccc} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 3 \end{array} \right]_{1083064} = \mathbf{Pl}(0, 21, 0, 3, 0, 1)_{37043}$$

$$\ell_{412} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{11} \end{array} \right]_{1083398} = \left[\begin{array}{cccc} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 7 \end{array} \right]_{1083398} = \mathbf{Pl}(0, 31, 0, 7, 0, 1)_{37305}$$

$$\ell_{413} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{14} \end{array} \right]_{1082496} = \left[\begin{array}{cccc} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 29 \end{array} \right]_{1082496} = \mathbf{Pl}(0, 3, 0, 29, 0, 1)_{38663}$$

$$\ell_{414} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{13} \end{array} \right]_{1083023} = \left[\begin{array}{cccc} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 28 \end{array} \right]_{1083023} = \mathbf{Pl}(0, 19, 0, 28, 0, 1)_{38616}$$

$$\ell_{415} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{7} \\ 0 & 0 & 1 & \eta^{3} \end{array} \right]_{1083036} = \left[\begin{array}{cccc} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 8 \end{array} \right]_{1083036} = \mathbf{Pl}(0, 20, 0, 8, 0, 1)_{37357}$$

$$\ell_{416} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{12} \end{array} \right]_{1083273} = \left[\begin{array}{cccc} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 14 \end{array} \right]_{1083273} = \mathbf{Pl}(0, 27, 0, 14, 0, 1)_{37742}$$

$$\ell_{417} = \left[\begin{array}{cccc} 0 & 1 & \eta^{11} & 0 \\ 0 & 0 & 0 & 1 \end{array} \right]_{1082631} = \left[\begin{array}{cccc} 0 & 1 & 7 & 0 \\ 0 & 0 & 0 & 1 \end{array} \right]_{1082631} = \mathbf{Pl}(0, 7, 0, 1, 0, 0)_{103}$$

$$\ell_{418} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{20} \end{array} \right]_{1082413} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 12 \end{array} \right]_{1082413} = \mathbf{Pl}(0, 1, 0, 12, 0, 1)_{37590}$$

$$\ell_{419} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{19} \end{array} \right]_{1082968} = \left[\begin{array}{cccc} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 6 \end{array} \right]_{1082968} = \mathbf{Pl}(0, 18, 0, 6, 0, 1)_{37229}$$

$$\ell_{420} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{2} \end{array} \right]_{1083296} = \left[\begin{array}{cccc} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 4 \end{array} \right]_{1083296} = \mathbf{Pl}(0, 28, 0, 4, 0, 1)_{37113}$$

$$\ell_{421} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{18} \end{array} \right]_{1082668} = \left[\begin{array}{cccc} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 3 \end{array} \right]_{1082668} = \mathbf{Pl}(0, 9, 0, 3, 0, 1)_{37031}$$

$$\ell_{422} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{15} \end{array} \right]_{1083158} = \left[\begin{array}{cccc} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 31 \end{array} \right]_{1083158} = \mathbf{Pl}(0, 23, 0, 31, 0, 1)_{38809}$$

$$\ell_{423} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta \end{array} \right]_{1082832} = \left[\begin{array}{cccc} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 2 \end{array} \right]_{1082832} = \mathbf{Pl}(0, 14, 0, 2, 0, 1)_{36973}$$

$$\ell_{424} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{9} \end{array} \right]_{1082790} = \left[\begin{array}{cccc} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 26 \end{array} \right]_{1082790} = \mathbf{Pl}(0, 12, 0, 26, 0, 1)_{38483}$$

$$\ell_{425} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{17} \end{array} \right]_{1083113} = \left[\begin{array}{cccc} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 19 \end{array} \right]_{1083113} = \mathbf{Pl}(0, 22, 0, 19, 0, 1)_{38052}$$

$$\ell_{426} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^2 \\ 0 & 0 & 1 & \eta^{22} \end{array}\right]_{1082521} = \left[\begin{array}{cccc} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 21 \end{array}\right]_{1082521} = \mathbf{Pl}(0,4,0,21,0,1)_{38160}$$

$$\ell_{427} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{14} \end{array}\right]_{1083222} = \left[\begin{array}{cccc} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 29 \end{array}\right]_{1083222} = \mathbf{Pl}(0,25,0,29,0,1)_{38685}$$

$$\ell_{428} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{4} \\ 0 & 0 & 1 & \eta^{24} \end{array}\right]_{1082926} = \left[\begin{array}{cccc} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 30 \end{array}\right]_{1082926} = \mathbf{Pl}(0,16,0,30,0,1)_{38739}$$

$$\ell_{429} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & 1 \end{array}\right]_{1082600} = \left[\begin{array}{cccc} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 1 \end{array}\right]_{1082600} = \mathbf{Pl}(0,7,0,1,0,1)_{36903}$$

$$\ell_{430} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{12} \end{array}\right]_{1082877} = \left[\begin{array}{cccc} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 14 \end{array}\right]_{1082877} = \mathbf{Pl}(0,15,0,14,0,1)_{37730}$$

$$\ell_{431} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{8} \end{array}\right]_{1082579} = \left[\begin{array}{cccc} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 13 \end{array}\right]_{1082579} = \mathbf{Pl}(0,6,0,13,0,1)_{37658}$$

$$\ell_{432} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta^{28} \end{array}\right]_{1082819} = \left[\begin{array}{cccc} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 22 \end{array}\right]_{1082819} = \mathbf{Pl}(0,13,0,22,0,1)_{38232}$$

$$\ell_{433} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{16} \end{array}\right]_{1082758} = \left[\begin{array}{cccc} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 27 \end{array}\right]_{1082758} = \mathbf{Pl}(0,11,0,27,0,1)_{38545}$$

$$\ell_{434} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{10} \end{array}\right]_{1083177} = \left[\begin{array}{cccc} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 17 \end{array}\right]_{1083177} = \mathbf{Pl}(0,24,0,17,0,1)_{37928}$$

$$\ell_{435} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{21} \end{array}\right]_{1082458} = \left[\begin{array}{cccc} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 24 \end{array}\right]_{1082458} = \mathbf{Pl}(0,2,0,24,0,1)_{38347}$$

$$\ell_{436} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{3} \end{array}\right]_{1083333} = \left[\begin{array}{cccc} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 8 \end{array}\right]_{1083333} = \mathbf{Pl}(0,29,0,8,0,1)_{37366}$$

$$\ell_{437} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{13} \end{array}\right]_{1083386} = \left[\begin{array}{cccc} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 28 \end{array}\right]_{1083386} = \mathbf{Pl}(0,30,0,28,0,1)_{38627}$$

$$\ell_{438} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{29} \end{array}\right]_{1083235} = \left[\begin{array}{cccc} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 9 \end{array}\right]_{1083235} = \mathbf{Pl}(0,26,0,9,0,1)_{37426}$$

$$\ell_{439} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{3} \\ 0 & 0 & 1 & \eta^{23} \end{array}\right]_{1082647} = \left[\begin{array}{cccc} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 15 \end{array}\right]_{1082647} = \mathbf{Pl}(0,8,0,15,0,1)_{37786}$$

$$\ell_{440} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{5} \\ 0 & 0 & 1 & \eta^{25} \end{array}\right]_{1082558} = \left[\begin{array}{cccc} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 25 \end{array}\right]_{1082558} = \mathbf{Pl}(0,5,0,25,0,1)_{38413}$$

$$\ell_{441} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{30} \end{array}\right]_{1082947} = \left[\begin{array}{cccc} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 18 \end{array}\right]_{1082947} = \mathbf{Pl}(0,17,0,18,0,1)_{37984}$$

$$\ell_{442} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{6} \\ 0 & 0 & 1 & \eta^{26} \end{array}\right]_{1082721} = \left[\begin{array}{cccc} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 23 \end{array}\right]_{1082721} = \mathbf{Pl}(0,10,0,23,0,1)_{38292}$$

$$\ell_{443} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{11} \end{array}\right]_{1083068} = \left[\begin{array}{cccc} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 7 \end{array}\right]_{1083068} = \mathbf{Pl}(0,21,0,7,0,1)_{37295}$$

$$\ell_{444} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{4} \end{array}\right]_{1083407} = \left[\begin{array}{cccc} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 16 \end{array}\right]_{1083407} = \mathbf{Pl}(0,31,0,16,0,1)_{37872}$$

$$\ell_{445} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{7} \end{array}\right]_{1082487} = \left[\begin{array}{cccc} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 20 \end{array}\right]_{1082487} = \mathbf{Pl}(0,3,0,20,0,1)_{38096}$$

$$\ell_{446} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{6} \end{array}\right]_{1083005} = \left[\begin{array}{cccc} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 10 \end{array}\right]_{1083005} = \mathbf{Pl}(0,19,0,10,0,1)_{37482}$$

$$\ell_{447} = \begin{bmatrix} 0 & 1 & 0 & \eta^7 \\ 0 & 0 & 1 & \eta^{27} \end{bmatrix}_{1083039} = \begin{bmatrix} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 11 \end{bmatrix}_{1083039} = \mathbf{Pl}(0,20,0,11,0,1)_{37546}$$

$$\ell_{448} = \begin{bmatrix} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^5 \end{bmatrix}_{1083264} = \begin{bmatrix} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{1083264} = \mathbf{Pl}(0,27,0,5,0,1)_{37175}$$

$$\ell_{449} = \begin{bmatrix} 0 & 1 & \eta^{23} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1082895} = \begin{bmatrix} 0 & 1 & 15 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1082895} = \mathbf{Pl}(0,15,0,1,0,0)_{111}$$

$$\ell_{450} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^8 \end{bmatrix}_{1082414} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 13 \end{bmatrix}_{1082414} = \mathbf{Pl}(0,1,0,13,0,1)_{37653}$$

$$\ell_{451} = \begin{bmatrix} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^7 \end{bmatrix}_{1082982} = \begin{bmatrix} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 20 \end{bmatrix}_{1082982} = \mathbf{Pl}(0,18,0,20,0,1)_{38111}$$

$$\ell_{452} = \begin{bmatrix} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{21} \end{bmatrix}_{1083316} = \begin{bmatrix} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 24 \end{bmatrix}_{1083316} = \mathbf{Pl}(0,28,0,24,0,1)_{38373}$$

$$\ell_{453} = \begin{bmatrix} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^6 \end{bmatrix}_{1082675} = \begin{bmatrix} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 10 \end{bmatrix}_{1082675} = \mathbf{Pl}(0,9,0,10,0,1)_{37472}$$

$$\ell_{454} = \begin{bmatrix} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^3 \end{bmatrix}_{1083135} = \begin{bmatrix} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 8 \end{bmatrix}_{1083135} = \mathbf{Pl}(0,23,0,8,0,1)_{37360}$$

$$\ell_{455} = \begin{bmatrix} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{20} \end{bmatrix}_{1082842} = \begin{bmatrix} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 12 \end{bmatrix}_{1082842} = \mathbf{Pl}(0,14,0,12,0,1)_{37603}$$

$$\ell_{456} = \begin{bmatrix} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{28} \end{bmatrix}_{1082786} = \begin{bmatrix} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 22 \end{bmatrix}_{1082786} = \mathbf{Pl}(0,12,0,22,0,1)_{38231}$$

$$\ell_{457} = \begin{bmatrix} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^5 \end{bmatrix}_{1083099} = \begin{bmatrix} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{1083099} = \mathbf{Pl}(0,22,0,5,0,1)_{37170}$$

$$\ell_{458} = \begin{bmatrix} 0 & 1 & 0 & \eta^2 \\ 0 & 0 & 1 & \eta^{10} \end{bmatrix}_{1082517} = \begin{bmatrix} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 17 \end{bmatrix}_{1082517} = \mathbf{Pl}(0,4,0,17,0,1)_{37908}$$

$$\ell_{459} = \begin{bmatrix} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^2 \end{bmatrix}_{1083197} = \begin{bmatrix} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{1083197} = \mathbf{Pl}(0,25,0,4,0,1)_{37110}$$

$$\ell_{460} = \begin{bmatrix} 0 & 1 & 0 & \eta^4 \\ 0 & 0 & 1 & \eta^{12} \end{bmatrix}_{1082910} = \begin{bmatrix} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 14 \end{bmatrix}_{1082910} = \mathbf{Pl}(0,16,0,14,0,1)_{37731}$$

$$\ell_{461} = \begin{bmatrix} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{19} \end{bmatrix}_{1082605} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{1082605} = \mathbf{Pl}(0,7,0,6,0,1)_{37218}$$

$$\ell_{462} = \begin{bmatrix} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1082864} = \begin{bmatrix} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1082864} = \mathbf{Pl}(0,15,0,1,0,1)_{36911}$$

$$\ell_{463} = \begin{bmatrix} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{27} \end{bmatrix}_{1082577} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 11 \end{bmatrix}_{1082577} = \mathbf{Pl}(0,6,0,11,0,1)_{37532}$$

$$\ell_{464} = \begin{bmatrix} 0 & 1 & 0 & \eta^8 \\ 0 & 0 & 1 & \eta^{16} \end{bmatrix}_{1082824} = \begin{bmatrix} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 27 \end{bmatrix}_{1082824} = \mathbf{Pl}(0,13,0,27,0,1)_{38547}$$

$$\ell_{465} = \begin{bmatrix} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^4 \end{bmatrix}_{1082747} = \begin{bmatrix} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 16 \end{bmatrix}_{1082747} = \mathbf{Pl}(0,11,0,16,0,1)_{37852}$$

$$\ell_{466} = \begin{bmatrix} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{29} \end{bmatrix}_{1083169} = \begin{bmatrix} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 9 \end{bmatrix}_{1083169} = \mathbf{Pl}(0,24,0,9,0,1)_{37424}$$

$$\ell_{467} = \begin{bmatrix} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^9 \end{bmatrix}_{1082460} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 26 \end{bmatrix}_{1082460} = \mathbf{Pl}(0,2,0,26,0,1)_{38473}$$

$$\ell_{468} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{22} \end{array} \right]_{1083346} = \left[\begin{array}{cccc} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 21 \end{array} \right]_{1083346} = \mathbf{Pl}(0,29,0,21,0,1)_{38185}$$

$$\ell_{469} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta \end{array} \right]_{1083360} = \left[\begin{array}{cccc} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 2 \end{array} \right]_{1083360} = \mathbf{Pl}(0,30,0,2,0,1)_{36989}$$

$$\ell_{470} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{17} \end{array} \right]_{1083245} = \left[\begin{array}{cccc} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 19 \end{array} \right]_{1083245} = \mathbf{Pl}(0,26,0,19,0,1)_{38056}$$

$$\ell_{471} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{3} \\ 0 & 0 & 1 & \eta^{11} \end{array} \right]_{1082639} = \left[\begin{array}{cccc} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 7 \end{array} \right]_{1082639} = \mathbf{Pl}(0,8,0,7,0,1)_{37282}$$

$$\ell_{472} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{5} \\ 0 & 0 & 1 & \eta^{13} \end{array} \right]_{1082561} = \left[\begin{array}{cccc} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 28 \end{array} \right]_{1082561} = \mathbf{Pl}(0,5,0,28,0,1)_{38602}$$

$$\ell_{473} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{18} \end{array} \right]_{1082932} = \left[\begin{array}{cccc} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 3 \end{array} \right]_{1082932} = \mathbf{Pl}(0,17,0,3,0,1)_{37039}$$

$$\ell_{474} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{6} \\ 0 & 0 & 1 & \eta^{14} \end{array} \right]_{1082727} = \left[\begin{array}{cccc} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 29 \end{array} \right]_{1082727} = \mathbf{Pl}(0,10,0,29,0,1)_{38670}$$

$$\ell_{475} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{30} \end{array} \right]_{1083079} = \left[\begin{array}{cccc} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 18 \end{array} \right]_{1083079} = \mathbf{Pl}(0,21,0,18,0,1)_{37988}$$

$$\ell_{476} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{23} \end{array} \right]_{1083406} = \left[\begin{array}{cccc} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 15 \end{array} \right]_{1083406} = \mathbf{Pl}(0,31,0,15,0,1)_{37809}$$

$$\ell_{477} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{26} \end{array} \right]_{1082490} = \left[\begin{array}{cccc} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 23 \end{array} \right]_{1082490} = \mathbf{Pl}(0,3,0,23,0,1)_{38285}$$

$$\ell_{478} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{25} \end{array} \right]_{1083020} = \left[\begin{array}{cccc} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 25 \end{array} \right]_{1083020} = \mathbf{Pl}(0,19,0,25,0,1)_{38427}$$

$$\ell_{479} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{7} \\ 0 & 0 & 1 & \eta^{15} \end{array} \right]_{1083059} = \left[\begin{array}{cccc} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 31 \end{array} \right]_{1083059} = \mathbf{Pl}(0,20,0,31,0,1)_{38806}$$

$$\ell_{480} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{24} \end{array} \right]_{1083289} = \left[\begin{array}{cccc} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 30 \end{array} \right]_{1083289} = \mathbf{Pl}(0,27,0,30,0,1)_{38750}$$

$$\ell_{481} = \left[\begin{array}{cccc} 0 & 1 & \eta^{19} & 0 \\ 0 & 0 & 0 & 1 \end{array} \right]_{1082598} = \left[\begin{array}{cccc} 0 & 1 & 6 & 0 \\ 0 & 0 & 0 & 1 \end{array} \right]_{1082598} = \mathbf{Pl}(0,6,0,1,0,0)_{102}$$

$$\ell_{482} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{12} \end{array} \right]_{1082415} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 14 \end{array} \right]_{1082415} = \mathbf{Pl}(0,1,0,14,0,1)_{37716}$$

$$\ell_{483} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{11} \end{array} \right]_{1082969} = \left[\begin{array}{cccc} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 7 \end{array} \right]_{1082969} = \mathbf{Pl}(0,18,0,7,0,1)_{37292}$$

$$\ell_{484} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{25} \end{array} \right]_{1083317} = \left[\begin{array}{cccc} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 25 \end{array} \right]_{1083317} = \mathbf{Pl}(0,28,0,25,0,1)_{38436}$$

$$\ell_{485} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{10} \end{array} \right]_{1082682} = \left[\begin{array}{cccc} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 17 \end{array} \right]_{1082682} = \mathbf{Pl}(0,9,0,17,0,1)_{37913}$$

$$\ell_{486} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{7} \end{array} \right]_{1083147} = \left[\begin{array}{cccc} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 20 \end{array} \right]_{1083147} = \mathbf{Pl}(0,23,0,20,0,1)_{38116}$$

$$\ell_{487} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{24} \end{array} \right]_{1082860} = \left[\begin{array}{cccc} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 30 \end{array} \right]_{1082860} = \mathbf{Pl}(0,14,0,30,0,1)_{38737}$$

$$\ell_{488} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta \end{array} \right]_{1082766} = \left[\begin{array}{cccc} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 2 \end{array} \right]_{1082766} = \mathbf{Pl}(0,12,0,2,0,1)_{36971}$$

$$\ell_{489} = \begin{bmatrix} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^9 \end{bmatrix}_{1083120} = \begin{bmatrix} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 26 \end{bmatrix}_{1083120} = \mathbf{Pl}(0, 22, 0, 26, 0, 1)_{38493}$$

$$\ell_{490} = \begin{bmatrix} 0 & 1 & 0 & \eta^2 \\ 0 & 0 & 1 & \eta^{14} \end{bmatrix}_{1082529} = \begin{bmatrix} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 29 \end{bmatrix}_{1082529} = \mathbf{Pl}(0, 4, 0, 29, 0, 1)_{38664}$$

$$\ell_{491} = \begin{bmatrix} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^6 \end{bmatrix}_{1083203} = \begin{bmatrix} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 10 \end{bmatrix}_{1083203} = \mathbf{Pl}(0, 25, 0, 10, 0, 1)_{37488}$$

$$\ell_{492} = \begin{bmatrix} 0 & 1 & 0 & \eta^4 \\ 0 & 0 & 1 & \eta^{16} \end{bmatrix}_{1082923} = \begin{bmatrix} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 27 \end{bmatrix}_{1082923} = \mathbf{Pl}(0, 16, 0, 27, 0, 1)_{38550}$$

$$\ell_{493} = \begin{bmatrix} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{23} \end{bmatrix}_{1082614} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 15 \end{bmatrix}_{1082614} = \mathbf{Pl}(0, 7, 0, 15, 0, 1)_{37785}$$

$$\ell_{494} = \begin{bmatrix} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^4 \end{bmatrix}_{1082879} = \begin{bmatrix} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 16 \end{bmatrix}_{1082879} = \mathbf{Pl}(0, 15, 0, 16, 0, 1)_{37856}$$

$$\ell_{495} = \begin{bmatrix} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1082567} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1082567} = \mathbf{Pl}(0, 6, 0, 1, 0, 1)_{36902}$$

$$\ell_{496} = \begin{bmatrix} 0 & 1 & 0 & \eta^8 \\ 0 & 0 & 1 & \eta^{20} \end{bmatrix}_{1082809} = \begin{bmatrix} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 12 \end{bmatrix}_{1082809} = \mathbf{Pl}(0, 13, 0, 12, 0, 1)_{37602}$$

$$\ell_{497} = \begin{bmatrix} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^8 \end{bmatrix}_{1082744} = \begin{bmatrix} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 13 \end{bmatrix}_{1082744} = \mathbf{Pl}(0, 11, 0, 13, 0, 1)_{37663}$$

$$\ell_{498} = \begin{bmatrix} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^2 \end{bmatrix}_{1083164} = \begin{bmatrix} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{1083164} = \mathbf{Pl}(0, 24, 0, 4, 0, 1)_{37109}$$

$$\ell_{499} = \begin{bmatrix} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{13} \end{bmatrix}_{1082462} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 28 \end{bmatrix}_{1082462} = \mathbf{Pl}(0, 2, 0, 28, 0, 1)_{38599}$$

$$\ell_{500} = \begin{bmatrix} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{26} \end{bmatrix}_{1083348} = \begin{bmatrix} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 23 \end{bmatrix}_{1083348} = \mathbf{Pl}(0, 29, 0, 23, 0, 1)_{38311}$$

$$\ell_{501} = \begin{bmatrix} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^5 \end{bmatrix}_{1083363} = \begin{bmatrix} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{1083363} = \mathbf{Pl}(0, 30, 0, 5, 0, 1)_{37178}$$

$$\ell_{502} = \begin{bmatrix} 0 & 1 & 0 & \eta^9 \\ 0 & 0 & 1 & \eta^{21} \end{bmatrix}_{1083250} = \begin{bmatrix} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 24 \end{bmatrix}_{1083250} = \mathbf{Pl}(0, 26, 0, 24, 0, 1)_{38371}$$

$$\ell_{503} = \begin{bmatrix} 0 & 1 & 0 & \eta^3 \\ 0 & 0 & 1 & \eta^{15} \end{bmatrix}_{1082663} = \begin{bmatrix} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 31 \end{bmatrix}_{1082663} = \mathbf{Pl}(0, 8, 0, 31, 0, 1)_{38794}$$

$$\ell_{504} = \begin{bmatrix} 0 & 1 & 0 & \eta^5 \\ 0 & 0 & 1 & \eta^{17} \end{bmatrix}_{1082552} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 19 \end{bmatrix}_{1082552} = \mathbf{Pl}(0, 5, 0, 19, 0, 1)_{38035}$$

$$\ell_{505} = \begin{bmatrix} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{22} \end{bmatrix}_{1082950} = \begin{bmatrix} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 21 \end{bmatrix}_{1082950} = \mathbf{Pl}(0, 17, 0, 21, 0, 1)_{38173}$$

$$\ell_{506} = \begin{bmatrix} 0 & 1 & 0 & \eta^6 \\ 0 & 0 & 1 & \eta^{18} \end{bmatrix}_{1082701} = \begin{bmatrix} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{1082701} = \mathbf{Pl}(0, 10, 0, 3, 0, 1)_{37032}$$

$$\ell_{507} = \begin{bmatrix} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^3 \end{bmatrix}_{1083069} = \begin{bmatrix} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 8 \end{bmatrix}_{1083069} = \mathbf{Pl}(0, 21, 0, 8, 0, 1)_{37358}$$

$$\ell_{508} = \begin{bmatrix} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{27} \end{bmatrix}_{1083402} = \begin{bmatrix} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 11 \end{bmatrix}_{1083402} = \mathbf{Pl}(0, 31, 0, 11, 0, 1)_{37557}$$

$$\ell_{509} = \begin{bmatrix} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{30} \end{bmatrix}_{1082485} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 18 \end{bmatrix}_{1082485} = \mathbf{Pl}(0, 3, 0, 18, 0, 1)_{37970}$$

$$\ell_{510} = \begin{bmatrix} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{29} \end{bmatrix}_{1083004} = \begin{bmatrix} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 9 \end{bmatrix}_{1083004} = \mathbf{Pl}(0, 19, 0, 9, 0, 1)_{37419}$$

$$\ell_{511} = \begin{bmatrix} 0 & 1 & 0 & \eta^{7} \\ 0 & 0 & 1 & \eta^{19} \end{bmatrix}_{1083034} = \begin{bmatrix} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{1083034} = \mathbf{Pl}(0, 20, 0, 6, 0, 1)_{37231}$$

$$\ell_{512} = \begin{bmatrix} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{28} \end{bmatrix}_{1083281} = \begin{bmatrix} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 22 \end{bmatrix}_{1083281} = \mathbf{Pl}(0, 27, 0, 22, 0, 1)_{38246}$$

$$\ell_{513} = \begin{bmatrix} 0 & 1 & \eta^{8} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1082829} = \begin{bmatrix} 0 & 1 & 13 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1082829} = \mathbf{Pl}(0, 13, 0, 1, 0, 0)_{109}$$

$$\ell_{514} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{23} \end{bmatrix}_{1082416} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 15 \end{bmatrix}_{1082416} = \mathbf{Pl}(0, 1, 0, 15, 0, 1)_{37779}$$

$$\ell_{515} = \begin{bmatrix} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{22} \end{bmatrix}_{1082983} = \begin{bmatrix} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 21 \end{bmatrix}_{1082983} = \mathbf{Pl}(0, 18, 0, 21, 0, 1)_{38174}$$

$$\ell_{516} = \begin{bmatrix} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{5} \end{bmatrix}_{1083297} = \begin{bmatrix} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{1083297} = \mathbf{Pl}(0, 28, 0, 5, 0, 1)_{37176}$$

$$\ell_{517} = \begin{bmatrix} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{21} \end{bmatrix}_{1082689} = \begin{bmatrix} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 24 \end{bmatrix}_{1082689} = \mathbf{Pl}(0, 9, 0, 24, 0, 1)_{38354}$$

$$\ell_{518} = \begin{bmatrix} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{18} \end{bmatrix}_{1083130} = \begin{bmatrix} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{1083130} = \mathbf{Pl}(0, 23, 0, 3, 0, 1)_{37045}$$

$$\ell_{519} = \begin{bmatrix} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{4} \end{bmatrix}_{1082846} = \begin{bmatrix} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 16 \end{bmatrix}_{1082846} = \mathbf{Pl}(0, 14, 0, 16, 0, 1)_{37855}$$

$$\ell_{520} = \begin{bmatrix} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{12} \end{bmatrix}_{1082778} = \begin{bmatrix} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 14 \end{bmatrix}_{1082778} = \mathbf{Pl}(0, 12, 0, 14, 0, 1)_{37727}$$

$$\ell_{521} = \begin{bmatrix} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{20} \end{bmatrix}_{1083106} = \begin{bmatrix} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 12 \end{bmatrix}_{1083106} = \mathbf{Pl}(0, 22, 0, 12, 0, 1)_{37611}$$

$$\ell_{522} = \begin{bmatrix} 0 & 1 & 0 & \eta^{2} \\ 0 & 0 & 1 & \eta^{25} \end{bmatrix}_{1082525} = \begin{bmatrix} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 25 \end{bmatrix}_{1082525} = \mathbf{Pl}(0, 4, 0, 25, 0, 1)_{38412}$$

$$\ell_{523} = \begin{bmatrix} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{17} \end{bmatrix}_{1083212} = \begin{bmatrix} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 19 \end{bmatrix}_{1083212} = \mathbf{Pl}(0, 25, 0, 19, 0, 1)_{38055}$$

$$\ell_{524} = \begin{bmatrix} 0 & 1 & 0 & \eta^{4} \\ 0 & 0 & 1 & \eta^{27} \end{bmatrix}_{1082907} = \begin{bmatrix} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 11 \end{bmatrix}_{1082907} = \mathbf{Pl}(0, 16, 0, 11, 0, 1)_{37542}$$

$$\ell_{525} = \begin{bmatrix} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{3} \end{bmatrix}_{1082607} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 8 \end{bmatrix}_{1082607} = \mathbf{Pl}(0, 7, 0, 8, 0, 1)_{37344}$$

$$\ell_{526} = \begin{bmatrix} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{15} \end{bmatrix}_{1082894} = \begin{bmatrix} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 31 \end{bmatrix}_{1082894} = \mathbf{Pl}(0, 15, 0, 31, 0, 1)_{38801}$$

$$\ell_{527} = \begin{bmatrix} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{11} \end{bmatrix}_{1082573} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{1082573} = \mathbf{Pl}(0, 6, 0, 7, 0, 1)_{37280}$$

$$\ell_{528} = \begin{bmatrix} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1082798} = \begin{bmatrix} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1082798} = \mathbf{Pl}(0, 13, 0, 1, 0, 1)_{36909}$$

$$\ell_{529} = \begin{bmatrix} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{19} \end{bmatrix}_{1082737} = \begin{bmatrix} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{1082737} = \mathbf{Pl}(0, 11, 0, 6, 0, 1)_{37222}$$

$$\ell_{530} = \begin{bmatrix} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{13} \end{bmatrix}_{1083188} = \begin{bmatrix} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 28 \end{bmatrix}_{1083188} = \mathbf{Pl}(0, 24, 0, 28, 0, 1)_{38621}$$

$$\ell_{531} = \begin{bmatrix} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{24} \end{bmatrix}_{1082464} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 30 \end{bmatrix}_{1082464} = \mathbf{Pl}(0,2,0,30,0,1)_{38725}$$

$$\ell_{532} = \begin{bmatrix} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{6} \end{bmatrix}_{1083335} = \begin{bmatrix} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 10 \end{bmatrix}_{1083335} = \mathbf{Pl}(0,29,0,10,0,1)_{37492}$$

$$\ell_{533} = \begin{bmatrix} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{16} \end{bmatrix}_{1083385} = \begin{bmatrix} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 27 \end{bmatrix}_{1083385} = \mathbf{Pl}(0,30,0,27,0,1)_{38564}$$

$$\ell_{534} = \begin{bmatrix} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta \end{bmatrix}_{1083228} = \begin{bmatrix} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{1083228} = \mathbf{Pl}(0,26,0,2,0,1)_{36985}$$

$$\ell_{535} = \begin{bmatrix} 0 & 1 & 0 & \eta^{3} \\ 0 & 0 & 1 & \eta^{26} \end{bmatrix}_{1082655} = \begin{bmatrix} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 23 \end{bmatrix}_{1082655} = \mathbf{Pl}(0,8,0,23,0,1)_{38290}$$

$$\ell_{536} = \begin{bmatrix} 0 & 1 & 0 & \eta^{5} \\ 0 & 0 & 1 & \eta^{28} \end{bmatrix}_{1082555} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 22 \end{bmatrix}_{1082555} = \mathbf{Pl}(0,5,0,22,0,1)_{38224}$$

$$\ell_{537} = \begin{bmatrix} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{2} \end{bmatrix}_{1082933} = \begin{bmatrix} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{1082933} = \mathbf{Pl}(0,17,0,4,0,1)_{37102}$$

$$\ell_{538} = \begin{bmatrix} 0 & 1 & 0 & \eta^{6} \\ 0 & 0 & 1 & \eta^{29} \end{bmatrix}_{1082707} = \begin{bmatrix} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 9 \end{bmatrix}_{1082707} = \mathbf{Pl}(0,10,0,9,0,1)_{37410}$$

$$\ell_{539} = \begin{bmatrix} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{14} \end{bmatrix}_{1083090} = \begin{bmatrix} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 29 \end{bmatrix}_{1083090} = \mathbf{Pl}(0,21,0,29,0,1)_{38681}$$

$$\ell_{540} = \begin{bmatrix} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{7} \end{bmatrix}_{1083411} = \begin{bmatrix} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 20 \end{bmatrix}_{1083411} = \mathbf{Pl}(0,31,0,20,0,1)_{38124}$$

$$\ell_{541} = \begin{bmatrix} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{10} \end{bmatrix}_{1082484} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 17 \end{bmatrix}_{1082484} = \mathbf{Pl}(0,3,0,17,0,1)_{37907}$$

$$\ell_{542} = \begin{bmatrix} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{9} \end{bmatrix}_{1083021} = \begin{bmatrix} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 26 \end{bmatrix}_{1083021} = \mathbf{Pl}(0,19,0,26,0,1)_{38490}$$

$$\ell_{543} = \begin{bmatrix} 0 & 1 & 0 & \eta^{7} \\ 0 & 0 & 1 & \eta^{30} \end{bmatrix}_{1083046} = \begin{bmatrix} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 18 \end{bmatrix}_{1083046} = \mathbf{Pl}(0,20,0,18,0,1)_{37987}$$

$$\ell_{544} = \begin{bmatrix} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{8} \end{bmatrix}_{1083272} = \begin{bmatrix} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 13 \end{bmatrix}_{1083272} = \mathbf{Pl}(0,27,0,13,0,1)_{37679}$$

$$\ell_{545} = \begin{bmatrix} 0 & 1 & \eta^{27} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1082763} = \begin{bmatrix} 0 & 1 & 11 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1082763} = \mathbf{Pl}(0,11,0,1,0,0)_{107}$$

$$\ell_{546} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{4} \end{bmatrix}_{1082417} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 16 \end{bmatrix}_{1082417} = \mathbf{Pl}(0,1,0,16,0,1)_{37842}$$

$$\ell_{547} = \begin{bmatrix} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{3} \end{bmatrix}_{1082970} = \begin{bmatrix} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 8 \end{bmatrix}_{1082970} = \mathbf{Pl}(0,18,0,8,0,1)_{37355}$$

$$\ell_{548} = \begin{bmatrix} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{17} \end{bmatrix}_{1083311} = \begin{bmatrix} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 19 \end{bmatrix}_{1083311} = \mathbf{Pl}(0,28,0,19,0,1)_{38058}$$

$$\ell_{549} = \begin{bmatrix} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{2} \end{bmatrix}_{1082669} = \begin{bmatrix} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{1082669} = \mathbf{Pl}(0,9,0,4,0,1)_{37094}$$

$$\ell_{550} = \begin{bmatrix} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{30} \end{bmatrix}_{1083145} = \begin{bmatrix} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 18 \end{bmatrix}_{1083145} = \mathbf{Pl}(0,23,0,18,0,1)_{37990}$$

$$\ell_{551} = \begin{bmatrix} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{16} \end{bmatrix}_{1082857} = \begin{bmatrix} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 27 \end{bmatrix}_{1082857} = \mathbf{Pl}(0,14,0,27,0,1)_{38548}$$

$$\ell_{552} = \begin{bmatrix} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{24} \end{bmatrix}_{1082794} = \begin{bmatrix} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 30 \end{bmatrix}_{1082794} = \mathbf{Pl}(0, 12, 0, 30, 0, 1)_{38735}$$

$$\ell_{553} = \begin{bmatrix} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta \end{bmatrix}_{1083096} = \begin{bmatrix} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{1083096} = \mathbf{Pl}(0, 22, 0, 2, 0, 1)_{36981}$$

$$\ell_{554} = \begin{bmatrix} 0 & 1 & 0 & \eta^{2} \\ 0 & 0 & 1 & \eta^{6} \end{bmatrix}_{1082510} = \begin{bmatrix} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 10 \end{bmatrix}_{1082510} = \mathbf{Pl}(0, 4, 0, 10, 0, 1)_{37467}$$

$$\ell_{555} = \begin{bmatrix} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{29} \end{bmatrix}_{1083202} = \begin{bmatrix} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 9 \end{bmatrix}_{1083202} = \mathbf{Pl}(0, 25, 0, 9, 0, 1)_{37425}$$

$$\ell_{556} = \begin{bmatrix} 0 & 1 & 0 & \eta^{4} \\ 0 & 0 & 1 & \eta^{8} \end{bmatrix}_{1082909} = \begin{bmatrix} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 13 \end{bmatrix}_{1082909} = \mathbf{Pl}(0, 16, 0, 13, 0, 1)_{37668}$$

$$\ell_{557} = \begin{bmatrix} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{15} \end{bmatrix}_{1082630} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 31 \end{bmatrix}_{1082630} = \mathbf{Pl}(0, 7, 0, 31, 0, 1)_{38793}$$

$$\ell_{558} = \begin{bmatrix} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{27} \end{bmatrix}_{1082874} = \begin{bmatrix} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 11 \end{bmatrix}_{1082874} = \mathbf{Pl}(0, 15, 0, 11, 0, 1)_{37541}$$

$$\ell_{559} = \begin{bmatrix} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{23} \end{bmatrix}_{1082581} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 15 \end{bmatrix}_{1082581} = \mathbf{Pl}(0, 6, 0, 15, 0, 1)_{37784}$$

$$\ell_{560} = \begin{bmatrix} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta^{12} \end{bmatrix}_{1082811} = \begin{bmatrix} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 14 \end{bmatrix}_{1082811} = \mathbf{Pl}(0, 13, 0, 14, 0, 1)_{37728}$$

$$\ell_{561} = \begin{bmatrix} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1082732} = \begin{bmatrix} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1082732} = \mathbf{Pl}(0, 11, 0, 1, 0, 1)_{36907}$$

$$\ell_{562} = \begin{bmatrix} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{25} \end{bmatrix}_{1083185} = \begin{bmatrix} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 25 \end{bmatrix}_{1083185} = \mathbf{Pl}(0, 24, 0, 25, 0, 1)_{38432}$$

$$\ell_{563} = \begin{bmatrix} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{5} \end{bmatrix}_{1082439} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{1082439} = \mathbf{Pl}(0, 2, 0, 5, 0, 1)_{37150}$$

$$\ell_{564} = \begin{bmatrix} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{18} \end{bmatrix}_{1083328} = \begin{bmatrix} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{1083328} = \mathbf{Pl}(0, 29, 0, 3, 0, 1)_{37051}$$

$$\ell_{565} = \begin{bmatrix} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{28} \end{bmatrix}_{1083380} = \begin{bmatrix} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 22 \end{bmatrix}_{1083380} = \mathbf{Pl}(0, 30, 0, 22, 0, 1)_{38249}$$

$$\ell_{566} = \begin{bmatrix} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{13} \end{bmatrix}_{1083254} = \begin{bmatrix} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 28 \end{bmatrix}_{1083254} = \mathbf{Pl}(0, 26, 0, 28, 0, 1)_{38623}$$

$$\ell_{567} = \begin{bmatrix} 0 & 1 & 0 & \eta^{3} \\ 0 & 0 & 1 & \eta^{7} \end{bmatrix}_{1082652} = \begin{bmatrix} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 20 \end{bmatrix}_{1082652} = \mathbf{Pl}(0, 8, 0, 20, 0, 1)_{38101}$$

$$\ell_{568} = \begin{bmatrix} 0 & 1 & 0 & \eta^{5} \\ 0 & 0 & 1 & \eta^{9} \end{bmatrix}_{1082559} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 26 \end{bmatrix}_{1082559} = \mathbf{Pl}(0, 5, 0, 26, 0, 1)_{38476}$$

$$\ell_{569} = \begin{bmatrix} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{14} \end{bmatrix}_{1082958} = \begin{bmatrix} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 29 \end{bmatrix}_{1082958} = \mathbf{Pl}(0, 17, 0, 29, 0, 1)_{38677}$$

$$\ell_{570} = \begin{bmatrix} 0 & 1 & 0 & \eta^{6} \\ 0 & 0 & 1 & \eta^{10} \end{bmatrix}_{1082715} = \begin{bmatrix} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 17 \end{bmatrix}_{1082715} = \mathbf{Pl}(0, 10, 0, 17, 0, 1)_{37914}$$

$$\ell_{571} = \begin{bmatrix} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{26} \end{bmatrix}_{1083084} = \begin{bmatrix} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 23 \end{bmatrix}_{1083084} = \mathbf{Pl}(0, 21, 0, 23, 0, 1)_{38303}$$

$$\ell_{572} = \begin{bmatrix} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{19} \end{bmatrix}_{1083397} = \begin{bmatrix} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{1083397} = \mathbf{Pl}(0, 31, 0, 6, 0, 1)_{37242}$$

$$\ell_{573} = \begin{bmatrix} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{22} \end{bmatrix}_{1082488} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 21 \end{bmatrix}_{1082488} = \mathbf{Pl}(0,3,0,21,0,1)_{38159}$$

$$\ell_{574} = \begin{bmatrix} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{21} \end{bmatrix}_{1083019} = \begin{bmatrix} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 24 \end{bmatrix}_{1083019} = \mathbf{Pl}(0,19,0,24,0,1)_{38364}$$

$$\ell_{575} = \begin{bmatrix} 0 & 1 & 0 & \eta^{7} \\ 0 & 0 & 1 & \eta^{11} \end{bmatrix}_{1083035} = \begin{bmatrix} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{1083035} = \mathbf{Pl}(0,20,0,7,0,1)_{37294}$$

$$\ell_{576} = \begin{bmatrix} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{20} \end{bmatrix}_{1083271} = \begin{bmatrix} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 12 \end{bmatrix}_{1083271} = \mathbf{Pl}(0,27,0,12,0,1)_{37616}$$

$$\ell_{577} = \begin{bmatrix} 0 & 1 & \eta^{21} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1083192} = \begin{bmatrix} 0 & 1 & 24 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1083192} = \mathbf{Pl}(0,24,0,1,0,0)_{120}$$

$$\ell_{578} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{10} \end{bmatrix}_{1082418} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 17 \end{bmatrix}_{1082418} = \mathbf{Pl}(0,1,0,17,0,1)_{37905}$$

$$\ell_{579} = \begin{bmatrix} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{9} \end{bmatrix}_{1082988} = \begin{bmatrix} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 26 \end{bmatrix}_{1082988} = \mathbf{Pl}(0,18,0,26,0,1)_{38489}$$

$$\ell_{580} = \begin{bmatrix} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{23} \end{bmatrix}_{1083307} = \begin{bmatrix} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 15 \end{bmatrix}_{1083307} = \mathbf{Pl}(0,28,0,15,0,1)_{37806}$$

$$\ell_{581} = \begin{bmatrix} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{8} \end{bmatrix}_{1082678} = \begin{bmatrix} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 13 \end{bmatrix}_{1082678} = \mathbf{Pl}(0,9,0,13,0,1)_{37661}$$

$$\ell_{582} = \begin{bmatrix} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{5} \end{bmatrix}_{1083132} = \begin{bmatrix} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{1083132} = \mathbf{Pl}(0,23,0,5,0,1)_{37171}$$

$$\ell_{583} = \begin{bmatrix} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{22} \end{bmatrix}_{1082851} = \begin{bmatrix} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 21 \end{bmatrix}_{1082851} = \mathbf{Pl}(0,14,0,21,0,1)_{38170}$$

$$\ell_{584} = \begin{bmatrix} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{30} \end{bmatrix}_{1082782} = \begin{bmatrix} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 18 \end{bmatrix}_{1082782} = \mathbf{Pl}(0,12,0,18,0,1)_{37979}$$

$$\ell_{585} = \begin{bmatrix} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{7} \end{bmatrix}_{1083114} = \begin{bmatrix} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 20 \end{bmatrix}_{1083114} = \mathbf{Pl}(0,22,0,20,0,1)_{38115}$$

$$\ell_{586} = \begin{bmatrix} 0 & 1 & 0 & \eta^{2} \\ 0 & 0 & 1 & \eta^{12} \end{bmatrix}_{1082514} = \begin{bmatrix} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 14 \end{bmatrix}_{1082514} = \mathbf{Pl}(0,4,0,14,0,1)_{37719}$$

$$\ell_{587} = \begin{bmatrix} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{4} \end{bmatrix}_{1083209} = \begin{bmatrix} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 16 \end{bmatrix}_{1083209} = \mathbf{Pl}(0,25,0,16,0,1)_{37866}$$

$$\ell_{588} = \begin{bmatrix} 0 & 1 & 0 & \eta^{4} \\ 0 & 0 & 1 & \eta^{14} \end{bmatrix}_{1082925} = \begin{bmatrix} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 29 \end{bmatrix}_{1082925} = \mathbf{Pl}(0,16,0,29,0,1)_{38676}$$

$$\ell_{589} = \begin{bmatrix} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{21} \end{bmatrix}_{1082623} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 24 \end{bmatrix}_{1082623} = \mathbf{Pl}(0,7,0,24,0,1)_{38352}$$

$$\ell_{590} = \begin{bmatrix} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{2} \end{bmatrix}_{1082867} = \begin{bmatrix} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{1082867} = \mathbf{Pl}(0,15,0,4,0,1)_{37100}$$

$$\ell_{591} = \begin{bmatrix} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{29} \end{bmatrix}_{1082575} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 9 \end{bmatrix}_{1082575} = \mathbf{Pl}(0,6,0,9,0,1)_{37406}$$

$$\ell_{592} = \begin{bmatrix} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta^{18} \end{bmatrix}_{1082800} = \begin{bmatrix} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{1082800} = \mathbf{Pl}(0,13,0,3,0,1)_{37035}$$

$$\ell_{593} = \begin{bmatrix} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{6} \end{bmatrix}_{1082741} = \begin{bmatrix} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 10 \end{bmatrix}_{1082741} = \mathbf{Pl}(0,11,0,10,0,1)_{37474}$$

$$\ell_{594} = \begin{bmatrix} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1083161} = \begin{bmatrix} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1083161} = \mathbf{Pl}(0,24,0,1,0,1)_{36920}$$

$$\ell_{595} = \begin{bmatrix} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{11} \end{bmatrix}_{1082441} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{1082441} = \mathbf{Pl}(0,2,0,7,0,1)_{37276}$$

$$\ell_{596} = \begin{bmatrix} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{24} \end{bmatrix}_{1083355} = \begin{bmatrix} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 30 \end{bmatrix}_{1083355} = \mathbf{Pl}(0,29,0,30,0,1)_{38752}$$

$$\ell_{597} = \begin{bmatrix} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{3} \end{bmatrix}_{1083366} = \begin{bmatrix} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 8 \end{bmatrix}_{1083366} = \mathbf{Pl}(0,30,0,8,0,1)_{37367}$$

$$\ell_{598} = \begin{bmatrix} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{19} \end{bmatrix}_{1083232} = \begin{bmatrix} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{1083232} = \mathbf{Pl}(0,26,0,6,0,1)_{37237}$$

$$\ell_{599} = \begin{bmatrix} 0 & 1 & 0 & \eta^{3} \\ 0 & 0 & 1 & \eta^{13} \end{bmatrix}_{1082660} = \begin{bmatrix} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 28 \end{bmatrix}_{1082660} = \mathbf{Pl}(0,8,0,28,0,1)_{38605}$$

$$\ell_{600} = \begin{bmatrix} 0 & 1 & 0 & \eta^{5} \\ 0 & 0 & 1 & \eta^{15} \end{bmatrix}_{1082564} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 31 \end{bmatrix}_{1082564} = \mathbf{Pl}(0,5,0,31,0,1)_{38791}$$

$$\ell_{601} = \begin{bmatrix} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{20} \end{bmatrix}_{1082941} = \begin{bmatrix} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 12 \end{bmatrix}_{1082941} = \mathbf{Pl}(0,17,0,12,0,1)_{37606}$$

$$\ell_{602} = \begin{bmatrix} 0 & 1 & 0 & \eta^{6} \\ 0 & 0 & 1 & \eta^{16} \end{bmatrix}_{1082725} = \begin{bmatrix} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 27 \end{bmatrix}_{1082725} = \mathbf{Pl}(0,10,0,27,0,1)_{38544}$$

$$\ell_{603} = \begin{bmatrix} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta \end{bmatrix}_{1083063} = \begin{bmatrix} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{1083063} = \mathbf{Pl}(0,21,0,2,0,1)_{36980}$$

$$\ell_{604} = \begin{bmatrix} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{25} \end{bmatrix}_{1083416} = \begin{bmatrix} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 25 \end{bmatrix}_{1083416} = \mathbf{Pl}(0,31,0,25,0,1)_{38439}$$

$$\ell_{605} = \begin{bmatrix} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{28} \end{bmatrix}_{1082489} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 22 \end{bmatrix}_{1082489} = \mathbf{Pl}(0,3,0,22,0,1)_{38222}$$

$$\ell_{606} = \begin{bmatrix} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{27} \end{bmatrix}_{1083006} = \begin{bmatrix} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 11 \end{bmatrix}_{1083006} = \mathbf{Pl}(0,19,0,11,0,1)_{37545}$$

$$\ell_{607} = \begin{bmatrix} 0 & 1 & 0 & \eta^{7} \\ 0 & 0 & 1 & \eta^{17} \end{bmatrix}_{1083047} = \begin{bmatrix} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 19 \end{bmatrix}_{1083047} = \mathbf{Pl}(0,20,0,19,0,1)_{38050}$$

$$\ell_{608} = \begin{bmatrix} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{26} \end{bmatrix}_{1083282} = \begin{bmatrix} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 23 \end{bmatrix}_{1083282} = \mathbf{Pl}(0,27,0,23,0,1)_{38309}$$

$$\ell_{609} = \begin{bmatrix} 0 & 1 & \eta & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1082466} = \begin{bmatrix} 0 & 1 & 2 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1082466} = \mathbf{Pl}(0,2,0,1,0,0)_{98}$$

$$\ell_{610} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{30} \end{bmatrix}_{1082419} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 18 \end{bmatrix}_{1082419} = \mathbf{Pl}(0,1,0,18,0,1)_{37968}$$

$$\ell_{611} = \begin{bmatrix} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{29} \end{bmatrix}_{1082971} = \begin{bmatrix} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 9 \end{bmatrix}_{1082971} = \mathbf{Pl}(0,18,0,9,0,1)_{37418}$$

$$\ell_{612} = \begin{bmatrix} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{12} \end{bmatrix}_{1083306} = \begin{bmatrix} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 14 \end{bmatrix}_{1083306} = \mathbf{Pl}(0,28,0,14,0,1)_{37743}$$

$$\ell_{613} = \begin{bmatrix} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{28} \end{bmatrix}_{1082687} = \begin{bmatrix} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 22 \end{bmatrix}_{1082687} = \mathbf{Pl}(0,9,0,22,0,1)_{38228}$$

$$\ell_{614} = \begin{bmatrix} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{25} \end{bmatrix}_{1083152} = \begin{bmatrix} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 25 \end{bmatrix}_{1083152} = \mathbf{Pl}(0,23,0,25,0,1)_{38431}$$

$$\ell_{615} = \begin{bmatrix} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{11} \end{bmatrix}_{1082837} = \begin{bmatrix} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{1082837} = \mathbf{Pl}(0,14,0,7,0,1)_{37288}$$

$$\ell_{616} = \begin{bmatrix} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{19} \end{bmatrix}_{1082770} = \begin{bmatrix} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{1082770} = \mathbf{Pl}(0,12,0,6,0,1)_{37223}$$

$$\ell_{617} = \begin{bmatrix} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{27} \end{bmatrix}_{1083105} = \begin{bmatrix} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 11 \end{bmatrix}_{1083105} = \mathbf{Pl}(0,22,0,11,0,1)_{37548}$$

$$\ell_{618} = \begin{bmatrix} 0 & 1 & 0 & \eta^{2} \\ 0 & 0 & 1 & \eta \end{bmatrix}_{1082502} = \begin{bmatrix} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{1082502} = \mathbf{Pl}(0,4,0,2,0,1)_{36963}$$

$$\ell_{619} = \begin{bmatrix} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{24} \end{bmatrix}_{1083223} = \begin{bmatrix} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 30 \end{bmatrix}_{1083223} = \mathbf{Pl}(0,25,0,30,0,1)_{38748}$$

$$\ell_{620} = \begin{bmatrix} 0 & 1 & 0 & \eta^{4} \\ 0 & 0 & 1 & \eta^{3} \end{bmatrix}_{1082904} = \begin{bmatrix} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 8 \end{bmatrix}_{1082904} = \mathbf{Pl}(0,16,0,8,0,1)_{37353}$$

$$\ell_{621} = \begin{bmatrix} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{10} \end{bmatrix}_{1082616} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 17 \end{bmatrix}_{1082616} = \mathbf{Pl}(0,7,0,17,0,1)_{37911}$$

$$\ell_{622} = \begin{bmatrix} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{22} \end{bmatrix}_{1082884} = \begin{bmatrix} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 21 \end{bmatrix}_{1082884} = \mathbf{Pl}(0,15,0,21,0,1)_{38171}$$

$$\ell_{623} = \begin{bmatrix} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{18} \end{bmatrix}_{1082569} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{1082569} = \mathbf{Pl}(0,6,0,3,0,1)_{37028}$$

$$\ell_{624} = \begin{bmatrix} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta^{7} \end{bmatrix}_{1082817} = \begin{bmatrix} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 20 \end{bmatrix}_{1082817} = \mathbf{Pl}(0,13,0,20,0,1)_{38106}$$

$$\ell_{625} = \begin{bmatrix} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{26} \end{bmatrix}_{1082754} = \begin{bmatrix} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 23 \end{bmatrix}_{1082754} = \mathbf{Pl}(0,11,0,23,0,1)_{38293}$$

$$\ell_{626} = \begin{bmatrix} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{20} \end{bmatrix}_{1083172} = \begin{bmatrix} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 12 \end{bmatrix}_{1083172} = \mathbf{Pl}(0,24,0,12,0,1)_{37613}$$

$$\ell_{627} = \begin{bmatrix} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1082435} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1082435} = \mathbf{Pl}(0,2,0,1,0,1)_{36898}$$

$$\ell_{628} = \begin{bmatrix} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{13} \end{bmatrix}_{1083353} = \begin{bmatrix} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 28 \end{bmatrix}_{1083353} = \mathbf{Pl}(0,29,0,28,0,1)_{38626}$$

$$\ell_{629} = \begin{bmatrix} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{23} \end{bmatrix}_{1083373} = \begin{bmatrix} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 15 \end{bmatrix}_{1083373} = \mathbf{Pl}(0,30,0,15,0,1)_{37808}$$

$$\ell_{630} = \begin{bmatrix} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{8} \end{bmatrix}_{1083239} = \begin{bmatrix} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 13 \end{bmatrix}_{1083239} = \mathbf{Pl}(0,26,0,13,0,1)_{37678}$$

$$\ell_{631} = \begin{bmatrix} 0 & 1 & 0 & \eta^{3} \\ 0 & 0 & 1 & \eta^{2} \end{bmatrix}_{1082636} = \begin{bmatrix} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{1082636} = \mathbf{Pl}(0,8,0,4,0,1)_{37093}$$

$$\ell_{632} = \begin{bmatrix} 0 & 1 & 0 & \eta^{5} \\ 0 & 0 & 1 & \eta^{4} \end{bmatrix}_{1082549} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 16 \end{bmatrix}_{1082549} = \mathbf{Pl}(0,5,0,16,0,1)_{37846}$$

$$\ell_{633} = \begin{bmatrix} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{9} \end{bmatrix}_{1082955} = \begin{bmatrix} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 26 \end{bmatrix}_{1082955} = \mathbf{Pl}(0,17,0,26,0,1)_{38488}$$

$$\ell_{634} = \begin{bmatrix} 0 & 1 & 0 & \eta^{6} \\ 0 & 0 & 1 & \eta^{5} \end{bmatrix}_{1082703} = \begin{bmatrix} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{1082703} = \mathbf{Pl}(0,10,0,5,0,1)_{37158}$$

$$\ell_{635} = \begin{bmatrix} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{21} \end{bmatrix}_{1083085} = \begin{bmatrix} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 24 \end{bmatrix}_{1083085} = \mathbf{Pl}(0,21,0,24,0,1)_{38366}$$

$$\ell_{636} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{14} \end{array}\right]_{1083420} = \left[\begin{array}{cccc} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 29 \end{array}\right]_{1083420} = \mathbf{Pl}(0,31,0,29,0,1)_{38691}$$

$$\ell_{637} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{17} \end{array}\right]_{1082486} = \left[\begin{array}{cccc} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 19 \end{array}\right]_{1082486} = \mathbf{Pl}(0,3,0,19,0,1)_{38033}$$

$$\ell_{638} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{16} \end{array}\right]_{1083022} = \left[\begin{array}{cccc} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 27 \end{array}\right]_{1083022} = \mathbf{Pl}(0,19,0,27,0,1)_{38553}$$

$$\ell_{639} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{7} \\ 0 & 0 & 1 & \eta^{6} \end{array}\right]_{1083038} = \left[\begin{array}{cccc} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 10 \end{array}\right]_{1083038} = \mathbf{Pl}(0,20,0,10,0,1)_{37483}$$

$$\ell_{640} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{15} \end{array}\right]_{1083290} = \left[\begin{array}{cccc} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 31 \end{array}\right]_{1083290} = \mathbf{Pl}(0,27,0,31,0,1)_{38813}$$

$$\ell_{641} = \left[\begin{array}{cccc} 0 & 1 & \eta^{14} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1083357} = \left[\begin{array}{cccc} 0 & 1 & 29 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1083357} = \mathbf{Pl}(0,29,0,1,0,0)_{125}$$

$$\ell_{642} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{17} \end{array}\right]_{1082420} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 19 \end{array}\right]_{1082420} = \mathbf{Pl}(0,1,0,19,0,1)_{38031}$$

$$\ell_{643} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{16} \end{array}\right]_{1082989} = \left[\begin{array}{cccc} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 27 \end{array}\right]_{1082989} = \mathbf{Pl}(0,18,0,27,0,1)_{38552}$$

$$\ell_{644} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{30} \end{array}\right]_{1083310} = \left[\begin{array}{cccc} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 18 \end{array}\right]_{1083310} = \mathbf{Pl}(0,28,0,18,0,1)_{37995}$$

$$\ell_{645} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{15} \end{array}\right]_{1082696} = \left[\begin{array}{cccc} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 31 \end{array}\right]_{1082696} = \mathbf{Pl}(0,9,0,31,0,1)_{38795}$$

$$\ell_{646} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{12} \end{array}\right]_{1083141} = \left[\begin{array}{cccc} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 14 \end{array}\right]_{1083141} = \mathbf{Pl}(0,23,0,14,0,1)_{37738}$$

$$\ell_{647} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{29} \end{array}\right]_{1082839} = \left[\begin{array}{cccc} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 9 \end{array}\right]_{1082839} = \mathbf{Pl}(0,14,0,9,0,1)_{37414}$$

$$\ell_{648} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{6} \end{array}\right]_{1082774} = \left[\begin{array}{cccc} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 10 \end{array}\right]_{1082774} = \mathbf{Pl}(0,12,0,10,0,1)_{37475}$$

$$\ell_{649} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{14} \end{array}\right]_{1083123} = \left[\begin{array}{cccc} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 29 \end{array}\right]_{1083123} = \mathbf{Pl}(0,22,0,29,0,1)_{38682}$$

$$\ell_{650} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{2} \\ 0 & 0 & 1 & \eta^{19} \end{array}\right]_{1082506} = \left[\begin{array}{cccc} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 6 \end{array}\right]_{1082506} = \mathbf{Pl}(0,4,0,6,0,1)_{37215}$$

$$\ell_{651} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{11} \end{array}\right]_{1083200} = \left[\begin{array}{cccc} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 7 \end{array}\right]_{1083200} = \mathbf{Pl}(0,25,0,7,0,1)_{37299}$$

$$\ell_{652} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{4} \\ 0 & 0 & 1 & \eta^{21} \end{array}\right]_{1082920} = \left[\begin{array}{cccc} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 24 \end{array}\right]_{1082920} = \mathbf{Pl}(0,16,0,24,0,1)_{38361}$$

$$\ell_{653} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{28} \end{array}\right]_{1082621} = \left[\begin{array}{cccc} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 22 \end{array}\right]_{1082621} = \mathbf{Pl}(0,7,0,22,0,1)_{38226}$$

$$\ell_{654} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{9} \end{array}\right]_{1082889} = \left[\begin{array}{cccc} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 26 \end{array}\right]_{1082889} = \mathbf{Pl}(0,15,0,26,0,1)_{38486}$$

$$\ell_{655} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{5} \end{array}\right]_{1082571} = \left[\begin{array}{cccc} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 5 \end{array}\right]_{1082571} = \mathbf{Pl}(0,6,0,5,0,1)_{37154}$$

$$\ell_{656} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta^{25} \end{array}\right]_{1082822} = \left[\begin{array}{cccc} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 25 \end{array}\right]_{1082822} = \mathbf{Pl}(0,13,0,25,0,1)_{38421}$$

$$\ell_{657} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{13} \end{array}\right]_{1082759} = \left[\begin{array}{cccc} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 28 \end{array}\right]_{1082759} = \mathbf{Pl}(0,11,0,28,0,1)_{38608}$$

$$\ell_{658} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{7} \end{array}\right]_{1083180} = \left[\begin{array}{cccc} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 20 \end{array}\right]_{1083180} = \mathbf{Pl}(0,24,0,20,0,1)_{38117}$$

$$\ell_{659} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{18} \end{array}\right]_{1082437} = \left[\begin{array}{cccc} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 3 \end{array}\right]_{1082437} = \mathbf{Pl}(0,2,0,3,0,1)_{37024}$$

$$\ell_{660} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & 1 \end{array}\right]_{1083326} = \left[\begin{array}{cccc} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 1 \end{array}\right]_{1083326} = \mathbf{Pl}(0,29,0,1,0,1)_{36925}$$

$$\ell_{661} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{10} \end{array}\right]_{1083375} = \left[\begin{array}{cccc} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 17 \end{array}\right]_{1083375} = \mathbf{Pl}(0,30,0,17,0,1)_{37934}$$

$$\ell_{662} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{26} \end{array}\right]_{1083249} = \left[\begin{array}{cccc} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 23 \end{array}\right]_{1083249} = \mathbf{Pl}(0,26,0,23,0,1)_{38308}$$

$$\ell_{663} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{3} \\ 0 & 0 & 1 & \eta^{20} \end{array}\right]_{1082644} = \left[\begin{array}{cccc} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 12 \end{array}\right]_{1082644} = \mathbf{Pl}(0,8,0,12,0,1)_{37597}$$

$$\ell_{664} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{5} \\ 0 & 0 & 1 & \eta^{22} \end{array}\right]_{1082554} = \left[\begin{array}{cccc} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 21 \end{array}\right]_{1082554} = \mathbf{Pl}(0,5,0,21,0,1)_{38161}$$

$$\ell_{665} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{27} \end{array}\right]_{1082940} = \left[\begin{array}{cccc} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 11 \end{array}\right]_{1082940} = \mathbf{Pl}(0,17,0,11,0,1)_{37543}$$

$$\ell_{666} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{6} \\ 0 & 0 & 1 & \eta^{23} \end{array}\right]_{1082713} = \left[\begin{array}{cccc} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 15 \end{array}\right]_{1082713} = \mathbf{Pl}(0,10,0,15,0,1)_{37788}$$

$$\ell_{667} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{8} \end{array}\right]_{1083074} = \left[\begin{array}{cccc} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 13 \end{array}\right]_{1083074} = \mathbf{Pl}(0,21,0,13,0,1)_{37673}$$

$$\ell_{668} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta \end{array}\right]_{1083393} = \left[\begin{array}{cccc} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 2 \end{array}\right]_{1083393} = \mathbf{Pl}(0,31,0,2,0,1)_{36990}$$

$$\ell_{669} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{4} \end{array}\right]_{1082483} = \left[\begin{array}{cccc} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 16 \end{array}\right]_{1082483} = \mathbf{Pl}(0,3,0,16,0,1)_{37844}$$

$$\ell_{670} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{3} \end{array}\right]_{1083003} = \left[\begin{array}{cccc} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 8 \end{array}\right]_{1083003} = \mathbf{Pl}(0,19,0,8,0,1)_{37356}$$

$$\ell_{671} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{7} \\ 0 & 0 & 1 & \eta^{24} \end{array}\right]_{1083058} = \left[\begin{array}{cccc} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 30 \end{array}\right]_{1083058} = \mathbf{Pl}(0,20,0,30,0,1)_{38743}$$

$$\ell_{672} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{2} \end{array}\right]_{1083263} = \left[\begin{array}{cccc} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 4 \end{array}\right]_{1083263} = \mathbf{Pl}(0,27,0,4,0,1)_{37112}$$

$$\ell_{673} = \left[\begin{array}{cccc} 0 & 1 & \eta^{24} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1083390} = \left[\begin{array}{cccc} 0 & 1 & 30 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1083390} = \mathbf{Pl}(0,30,0,1,0,0)_{126}$$

$$\ell_{674} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{7} \end{array}\right]_{1082421} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 20 \end{array}\right]_{1082421} = \mathbf{Pl}(0,1,0,20,0,1)_{38094}$$

$$\ell_{675} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{6} \end{array}\right]_{1082972} = \left[\begin{array}{cccc} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 10 \end{array}\right]_{1082972} = \mathbf{Pl}(0,18,0,10,0,1)_{37481}$$

$$\ell_{676} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{20} \end{array}\right]_{1083304} = \left[\begin{array}{cccc} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 12 \end{array}\right]_{1083304} = \mathbf{Pl}(0,28,0,12,0,1)_{37617}$$

$$\ell_{677} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{5} \end{array}\right]_{1082670} = \left[\begin{array}{cccc} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 5 \end{array}\right]_{1082670} = \mathbf{Pl}(0,9,0,5,0,1)_{37157}$$

$$\ell_{678} = \begin{bmatrix} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{2} \end{bmatrix}_{1083131} = \begin{bmatrix} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{1083131} = \mathbf{Pl}(0, 23, 0, 4, 0, 1)_{37108}$$

$$\ell_{679} = \begin{bmatrix} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{19} \end{bmatrix}_{1082836} = \begin{bmatrix} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{1082836} = \mathbf{Pl}(0, 14, 0, 6, 0, 1)_{37225}$$

$$\ell_{680} = \begin{bmatrix} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{27} \end{bmatrix}_{1082775} = \begin{bmatrix} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 11 \end{bmatrix}_{1082775} = \mathbf{Pl}(0, 12, 0, 11, 0, 1)_{37538}$$

$$\ell_{681} = \begin{bmatrix} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{4} \end{bmatrix}_{1083110} = \begin{bmatrix} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 16 \end{bmatrix}_{1083110} = \mathbf{Pl}(0, 22, 0, 16, 0, 1)_{37863}$$

$$\ell_{682} = \begin{bmatrix} 0 & 1 & 0 & \eta^{2} \\ 0 & 0 & 1 & \eta^{9} \end{bmatrix}_{1082526} = \begin{bmatrix} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 26 \end{bmatrix}_{1082526} = \mathbf{Pl}(0, 4, 0, 26, 0, 1)_{38475}$$

$$\ell_{683} = \begin{bmatrix} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta \end{bmatrix}_{1083195} = \begin{bmatrix} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{1083195} = \mathbf{Pl}(0, 25, 0, 2, 0, 1)_{36984}$$

$$\ell_{684} = \begin{bmatrix} 0 & 1 & 0 & \eta^{4} \\ 0 & 0 & 1 & \eta^{11} \end{bmatrix}_{1082903} = \begin{bmatrix} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{1082903} = \mathbf{Pl}(0, 16, 0, 7, 0, 1)_{37290}$$

$$\ell_{685} = \begin{bmatrix} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{18} \end{bmatrix}_{1082602} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{1082602} = \mathbf{Pl}(0, 7, 0, 3, 0, 1)_{37029}$$

$$\ell_{686} = \begin{bmatrix} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{30} \end{bmatrix}_{1082881} = \begin{bmatrix} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 18 \end{bmatrix}_{1082881} = \mathbf{Pl}(0, 15, 0, 18, 0, 1)_{37982}$$

$$\ell_{687} = \begin{bmatrix} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{26} \end{bmatrix}_{1082589} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 23 \end{bmatrix}_{1082589} = \mathbf{Pl}(0, 6, 0, 23, 0, 1)_{38288}$$

$$\ell_{688} = \begin{bmatrix} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta^{15} \end{bmatrix}_{1082828} = \begin{bmatrix} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 31 \end{bmatrix}_{1082828} = \mathbf{Pl}(0, 13, 0, 31, 0, 1)_{38799}$$

$$\ell_{689} = \begin{bmatrix} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{3} \end{bmatrix}_{1082739} = \begin{bmatrix} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 8 \end{bmatrix}_{1082739} = \mathbf{Pl}(0, 11, 0, 8, 0, 1)_{37348}$$

$$\ell_{690} = \begin{bmatrix} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{28} \end{bmatrix}_{1083182} = \begin{bmatrix} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 22 \end{bmatrix}_{1083182} = \mathbf{Pl}(0, 24, 0, 22, 0, 1)_{38243}$$

$$\ell_{691} = \begin{bmatrix} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{8} \end{bmatrix}_{1082447} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 13 \end{bmatrix}_{1082447} = \mathbf{Pl}(0, 2, 0, 13, 0, 1)_{37654}$$

$$\ell_{692} = \begin{bmatrix} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{21} \end{bmatrix}_{1083349} = \begin{bmatrix} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 24 \end{bmatrix}_{1083349} = \mathbf{Pl}(0, 29, 0, 24, 0, 1)_{38374}$$

$$\ell_{693} = \begin{bmatrix} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1083359} = \begin{bmatrix} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1083359} = \mathbf{Pl}(0, 30, 0, 1, 0, 1)_{36926}$$

$$\ell_{694} = \begin{bmatrix} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{16} \end{bmatrix}_{1083253} = \begin{bmatrix} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 27 \end{bmatrix}_{1083253} = \mathbf{Pl}(0, 26, 0, 27, 0, 1)_{38560}$$

$$\ell_{695} = \begin{bmatrix} 0 & 1 & 0 & \eta^{3} \\ 0 & 0 & 1 & \eta^{10} \end{bmatrix}_{1082649} = \begin{bmatrix} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 17 \end{bmatrix}_{1082649} = \mathbf{Pl}(0, 8, 0, 17, 0, 1)_{37912}$$

$$\ell_{696} = \begin{bmatrix} 0 & 1 & 0 & \eta^{5} \\ 0 & 0 & 1 & \eta^{12} \end{bmatrix}_{1082547} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 14 \end{bmatrix}_{1082547} = \mathbf{Pl}(0, 5, 0, 14, 0, 1)_{37720}$$

$$\ell_{697} = \begin{bmatrix} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{17} \end{bmatrix}_{1082948} = \begin{bmatrix} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 19 \end{bmatrix}_{1082948} = \mathbf{Pl}(0, 17, 0, 19, 0, 1)_{38047}$$

$$\ell_{698} = \begin{bmatrix} 0 & 1 & 0 & \eta^{6} \\ 0 & 0 & 1 & \eta^{13} \end{bmatrix}_{1082726} = \begin{bmatrix} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 28 \end{bmatrix}_{1082726} = \mathbf{Pl}(0, 10, 0, 28, 0, 1)_{38607}$$

$$\ell_{699} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{29} \end{array}\right]_{1083070} = \left[\begin{array}{cccc} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 9 \end{array}\right]_{1083070} = \mathbf{Pl}(0,21,0,9,0,1)_{37421}$$

$$\ell_{700} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{22} \end{array}\right]_{1083412} = \left[\begin{array}{cccc} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 21 \end{array}\right]_{1083412} = \mathbf{Pl}(0,31,0,21,0,1)_{38187}$$

$$\ell_{701} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{25} \end{array}\right]_{1082492} = \left[\begin{array}{cccc} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 25 \end{array}\right]_{1082492} = \mathbf{Pl}(0,3,0,25,0,1)_{38411}$$

$$\ell_{702} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{24} \end{array}\right]_{1083025} = \left[\begin{array}{cccc} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 30 \end{array}\right]_{1083025} = \mathbf{Pl}(0,19,0,30,0,1)_{38742}$$

$$\ell_{703} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{7} \\ 0 & 0 & 1 & \eta^{14} \end{array}\right]_{1083057} = \left[\begin{array}{cccc} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 29 \end{array}\right]_{1083057} = \mathbf{Pl}(0,20,0,29,0,1)_{38680}$$

$$\ell_{704} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{23} \end{array}\right]_{1083274} = \left[\begin{array}{cccc} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 15 \end{array}\right]_{1083274} = \mathbf{Pl}(0,27,0,15,0,1)_{37805}$$

$$\ell_{705} = \left[\begin{array}{cccc} 0 & 1 & \eta^{9} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1083258} = \left[\begin{array}{cccc} 0 & 1 & 26 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1083258} = \mathbf{Pl}(0,26,0,1,0,0)_{122}$$

$$\ell_{706} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{22} \end{array}\right]_{1082422} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 21 \end{array}\right]_{1082422} = \mathbf{Pl}(0,1,0,21,0,1)_{38157}$$

$$\ell_{707} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{21} \end{array}\right]_{1082986} = \left[\begin{array}{cccc} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 24 \end{array}\right]_{1082986} = \mathbf{Pl}(0,18,0,24,0,1)_{38363}$$

$$\ell_{708} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{4} \end{array}\right]_{1083308} = \left[\begin{array}{cccc} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 16 \end{array}\right]_{1083308} = \mathbf{Pl}(0,28,0,16,0,1)_{37869}$$

$$\ell_{709} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{20} \end{array}\right]_{1082677} = \left[\begin{array}{cccc} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 12 \end{array}\right]_{1082677} = \mathbf{Pl}(0,9,0,12,0,1)_{37598}$$

$$\ell_{710} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{17} \end{array}\right]_{1083146} = \left[\begin{array}{cccc} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 19 \end{array}\right]_{1083146} = \mathbf{Pl}(0,23,0,19,0,1)_{38053}$$

$$\ell_{711} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{3} \end{array}\right]_{1082838} = \left[\begin{array}{cccc} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 8 \end{array}\right]_{1082838} = \mathbf{Pl}(0,14,0,8,0,1)_{37351}$$

$$\ell_{712} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{11} \end{array}\right]_{1082771} = \left[\begin{array}{cccc} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 7 \end{array}\right]_{1082771} = \mathbf{Pl}(0,12,0,7,0,1)_{37286}$$

$$\ell_{713} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{19} \end{array}\right]_{1083100} = \left[\begin{array}{cccc} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 6 \end{array}\right]_{1083100} = \mathbf{Pl}(0,22,0,6,0,1)_{37233}$$

$$\ell_{714} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{2} \\ 0 & 0 & 1 & \eta^{24} \end{array}\right]_{1082530} = \left[\begin{array}{cccc} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 30 \end{array}\right]_{1082530} = \mathbf{Pl}(0,4,0,30,0,1)_{38727}$$

$$\ell_{715} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{16} \end{array}\right]_{1083220} = \left[\begin{array}{cccc} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 27 \end{array}\right]_{1083220} = \mathbf{Pl}(0,25,0,27,0,1)_{38559}$$

$$\ell_{716} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{4} \\ 0 & 0 & 1 & \eta^{26} \end{array}\right]_{1082919} = \left[\begin{array}{cccc} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 23 \end{array}\right]_{1082919} = \mathbf{Pl}(0,16,0,23,0,1)_{38298}$$

$$\ell_{717} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{2} \end{array}\right]_{1082603} = \left[\begin{array}{cccc} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 4 \end{array}\right]_{1082603} = \mathbf{Pl}(0,7,0,4,0,1)_{37092}$$

$$\ell_{718} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{14} \end{array}\right]_{1082892} = \left[\begin{array}{cccc} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 29 \end{array}\right]_{1082892} = \mathbf{Pl}(0,15,0,29,0,1)_{38675}$$

$$\ell_{719} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{10} \end{array}\right]_{1082583} = \left[\begin{array}{cccc} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 17 \end{array}\right]_{1082583} = \mathbf{Pl}(0,6,0,17,0,1)_{37910}$$

$$\ell_{720} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^8 \\ 0 & 0 & 1 & \eta^{30} \end{array}\right]_{1082815} = \left[\begin{array}{cccc} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 18 \end{array}\right]_{1082815} = \mathbf{Pl}(0,13,0,18,0,1)_{37980}$$

$$\ell_{721} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{18} \end{array}\right]_{1082734} = \left[\begin{array}{cccc} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 3 \end{array}\right]_{1082734} = \mathbf{Pl}(0,11,0,3,0,1)_{37033}$$

$$\ell_{722} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{12} \end{array}\right]_{1083174} = \left[\begin{array}{cccc} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 14 \end{array}\right]_{1083174} = \mathbf{Pl}(0,24,0,14,0,1)_{37739}$$

$$\ell_{723} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{23} \end{array}\right]_{1082449} = \left[\begin{array}{cccc} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 15 \end{array}\right]_{1082449} = \mathbf{Pl}(0,2,0,15,0,1)_{37780}$$

$$\ell_{724} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^5 \end{array}\right]_{1083330} = \left[\begin{array}{cccc} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 5 \end{array}\right]_{1083330} = \mathbf{Pl}(0,29,0,5,0,1)_{37177}$$

$$\ell_{725} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{15} \end{array}\right]_{1083389} = \left[\begin{array}{cccc} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 31 \end{array}\right]_{1083389} = \mathbf{Pl}(0,30,0,31,0,1)_{38816}$$

$$\ell_{726} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^9 \\ 0 & 0 & 1 & 1 \end{array}\right]_{1083227} = \left[\begin{array}{cccc} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 1 \end{array}\right]_{1083227} = \mathbf{Pl}(0,26,0,1,0,1)_{36922}$$

$$\ell_{727} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^3 \\ 0 & 0 & 1 & \eta^{25} \end{array}\right]_{1082657} = \left[\begin{array}{cccc} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 25 \end{array}\right]_{1082657} = \mathbf{Pl}(0,8,0,25,0,1)_{38416}$$

$$\ell_{728} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^5 \\ 0 & 0 & 1 & \eta^{27} \end{array}\right]_{1082544} = \left[\begin{array}{cccc} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 11 \end{array}\right]_{1082544} = \mathbf{Pl}(0,5,0,11,0,1)_{37531}$$

$$\ell_{729} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta \end{array}\right]_{1082931} = \left[\begin{array}{cccc} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 2 \end{array}\right]_{1082931} = \mathbf{Pl}(0,17,0,2,0,1)_{36976}$$

$$\ell_{730} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^6 \\ 0 & 0 & 1 & \eta^{28} \end{array}\right]_{1082720} = \left[\begin{array}{cccc} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 22 \end{array}\right]_{1082720} = \mathbf{Pl}(0,10,0,22,0,1)_{38229}$$

$$\ell_{731} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{13} \end{array}\right]_{1083089} = \left[\begin{array}{cccc} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 28 \end{array}\right]_{1083089} = \mathbf{Pl}(0,21,0,28,0,1)_{38618}$$

$$\ell_{732} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^6 \end{array}\right]_{1083401} = \left[\begin{array}{cccc} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 10 \end{array}\right]_{1083401} = \mathbf{Pl}(0,31,0,10,0,1)_{37494}$$

$$\ell_{733} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^9 \end{array}\right]_{1082493} = \left[\begin{array}{cccc} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 26 \end{array}\right]_{1082493} = \mathbf{Pl}(0,3,0,26,0,1)_{38474}$$

$$\ell_{734} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^8 \end{array}\right]_{1083008} = \left[\begin{array}{cccc} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 13 \end{array}\right]_{1083008} = \mathbf{Pl}(0,19,0,13,0,1)_{37671}$$

$$\ell_{735} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^7 \\ 0 & 0 & 1 & \eta^{29} \end{array}\right]_{1083037} = \left[\begin{array}{cccc} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 9 \end{array}\right]_{1083037} = \mathbf{Pl}(0,20,0,9,0,1)_{37420}$$

$$\ell_{736} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^7 \end{array}\right]_{1083279} = \left[\begin{array}{cccc} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 20 \end{array}\right]_{1083279} = \mathbf{Pl}(0,27,0,20,0,1)_{38120}$$

$$\ell_{737} = \left[\begin{array}{cccc} 0 & 1 & \eta^3 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1082664} = \left[\begin{array}{cccc} 0 & 1 & 8 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1082664} = \mathbf{Pl}(0,8,0,1,0,0)_{104}$$

$$\ell_{738} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{28} \end{array}\right]_{1082423} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 22 \end{array}\right]_{1082423} = \mathbf{Pl}(0,1,0,22,0,1)_{38220}$$

$$\ell_{739} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{27} \end{array}\right]_{1082973} = \left[\begin{array}{cccc} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 11 \end{array}\right]_{1082973} = \mathbf{Pl}(0,18,0,11,0,1)_{37544}$$

$$\ell_{740} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{10} \end{array}\right]_{1083309} = \left[\begin{array}{cccc} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 17 \end{array}\right]_{1083309} = \mathbf{Pl}(0,28,0,17,0,1)_{37932}$$

$$\ell_{741} = \begin{bmatrix} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{26} \end{bmatrix}_{1082688} = \begin{bmatrix} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 23 \end{bmatrix}_{1082688} = \mathbf{Pl}(0,9,0,23,0,1)_{38291}$$

$$\ell_{742} = \begin{bmatrix} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{23} \end{bmatrix}_{1083142} = \begin{bmatrix} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 15 \end{bmatrix}_{1083142} = \mathbf{Pl}(0,23,0,15,0,1)_{37801}$$

$$\ell_{743} = \begin{bmatrix} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{9} \end{bmatrix}_{1082856} = \begin{bmatrix} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 26 \end{bmatrix}_{1082856} = \mathbf{Pl}(0,14,0,26,0,1)_{38485}$$

$$\ell_{744} = \begin{bmatrix} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{17} \end{bmatrix}_{1082783} = \begin{bmatrix} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 19 \end{bmatrix}_{1082783} = \mathbf{Pl}(0,12,0,19,0,1)_{38042}$$

$$\ell_{745} = \begin{bmatrix} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{25} \end{bmatrix}_{1083119} = \begin{bmatrix} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 25 \end{bmatrix}_{1083119} = \mathbf{Pl}(0,22,0,25,0,1)_{38430}$$

$$\ell_{746} = \begin{bmatrix} 0 & 1 & 0 & \eta^{2} \\ 0 & 0 & 1 & \eta^{30} \end{bmatrix}_{1082518} = \begin{bmatrix} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 18 \end{bmatrix}_{1082518} = \mathbf{Pl}(0,4,0,18,0,1)_{37971}$$

$$\ell_{747} = \begin{bmatrix} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{22} \end{bmatrix}_{1083214} = \begin{bmatrix} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 21 \end{bmatrix}_{1083214} = \mathbf{Pl}(0,25,0,21,0,1)_{38181}$$

$$\ell_{748} = \begin{bmatrix} 0 & 1 & 0 & \eta^{4} \\ 0 & 0 & 1 & \eta \end{bmatrix}_{1082898} = \begin{bmatrix} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{1082898} = \mathbf{Pl}(0,16,0,2,0,1)_{36975}$$

$$\ell_{749} = \begin{bmatrix} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{8} \end{bmatrix}_{1082612} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 13 \end{bmatrix}_{1082612} = \mathbf{Pl}(0,7,0,13,0,1)_{37659}$$

$$\ell_{750} = \begin{bmatrix} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{20} \end{bmatrix}_{1082875} = \begin{bmatrix} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 12 \end{bmatrix}_{1082875} = \mathbf{Pl}(0,15,0,12,0,1)_{37604}$$

$$\ell_{751} = \begin{bmatrix} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{16} \end{bmatrix}_{1082593} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 27 \end{bmatrix}_{1082593} = \mathbf{Pl}(0,6,0,27,0,1)_{38540}$$

$$\ell_{752} = \begin{bmatrix} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta^{5} \end{bmatrix}_{1082802} = \begin{bmatrix} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{1082802} = \mathbf{Pl}(0,13,0,5,0,1)_{37161}$$

$$\ell_{753} = \begin{bmatrix} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{24} \end{bmatrix}_{1082761} = \begin{bmatrix} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 30 \end{bmatrix}_{1082761} = \mathbf{Pl}(0,11,0,30,0,1)_{38734}$$

$$\ell_{754} = \begin{bmatrix} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{18} \end{bmatrix}_{1083163} = \begin{bmatrix} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{1083163} = \mathbf{Pl}(0,24,0,3,0,1)_{37046}$$

$$\ell_{755} = \begin{bmatrix} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{29} \end{bmatrix}_{1082443} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 9 \end{bmatrix}_{1082443} = \mathbf{Pl}(0,2,0,9,0,1)_{37402}$$

$$\ell_{756} = \begin{bmatrix} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{11} \end{bmatrix}_{1083332} = \begin{bmatrix} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{1083332} = \mathbf{Pl}(0,29,0,7,0,1)_{37303}$$

$$\ell_{757} = \begin{bmatrix} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{21} \end{bmatrix}_{1083382} = \begin{bmatrix} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 24 \end{bmatrix}_{1083382} = \mathbf{Pl}(0,30,0,24,0,1)_{38375}$$

$$\ell_{758} = \begin{bmatrix} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{6} \end{bmatrix}_{1083236} = \begin{bmatrix} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 10 \end{bmatrix}_{1083236} = \mathbf{Pl}(0,26,0,10,0,1)_{37489}$$

$$\ell_{759} = \begin{bmatrix} 0 & 1 & 0 & \eta^{3} \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1082633} = \begin{bmatrix} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1082633} = \mathbf{Pl}(0,8,0,1,0,1)_{36904}$$

$$\ell_{760} = \begin{bmatrix} 0 & 1 & 0 & \eta^{5} \\ 0 & 0 & 1 & \eta^{2} \end{bmatrix}_{1082537} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{1082537} = \mathbf{Pl}(0,5,0,4,0,1)_{37090}$$

$$\ell_{761} = \begin{bmatrix} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{7} \end{bmatrix}_{1082949} = \begin{bmatrix} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 20 \end{bmatrix}_{1082949} = \mathbf{Pl}(0,17,0,20,0,1)_{38110}$$

$$\ell_{762} = \begin{bmatrix} 0 & 1 & 0 & \eta^6 \\ 0 & 0 & 1 & \eta^3 \end{bmatrix}_{1082706} = \begin{bmatrix} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 8 \end{bmatrix}_{1082706} = \mathbf{Pl}(0,10,0,8,0,1)_{37347}$$

$$\ell_{763} = \begin{bmatrix} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{19} \end{bmatrix}_{1083067} = \begin{bmatrix} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{1083067} = \mathbf{Pl}(0,21,0,6,0,1)_{37232}$$

$$\ell_{764} = \begin{bmatrix} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{12} \end{bmatrix}_{1083405} = \begin{bmatrix} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 14 \end{bmatrix}_{1083405} = \mathbf{Pl}(0,31,0,14,0,1)_{37746}$$

$$\ell_{765} = \begin{bmatrix} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{15} \end{bmatrix}_{1082498} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 31 \end{bmatrix}_{1082498} = \mathbf{Pl}(0,3,0,31,0,1)_{38789}$$

$$\ell_{766} = \begin{bmatrix} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{14} \end{bmatrix}_{1083024} = \begin{bmatrix} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 29 \end{bmatrix}_{1083024} = \mathbf{Pl}(0,19,0,29,0,1)_{38679}$$

$$\ell_{767} = \begin{bmatrix} 0 & 1 & 0 & \eta^7 \\ 0 & 0 & 1 & \eta^4 \end{bmatrix}_{1083044} = \begin{bmatrix} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 16 \end{bmatrix}_{1083044} = \mathbf{Pl}(0,20,0,16,0,1)_{37861}$$

$$\ell_{768} = \begin{bmatrix} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{13} \end{bmatrix}_{1083287} = \begin{bmatrix} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 28 \end{bmatrix}_{1083287} = \mathbf{Pl}(0,27,0,28,0,1)_{38624}$$

$$\ell_{769} = \begin{bmatrix} 0 & 1 & \eta^5 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1082565} = \begin{bmatrix} 0 & 1 & 5 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1082565} = \mathbf{Pl}(0,5,0,1,0,0)_{101}$$

$$\ell_{770} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{26} \end{bmatrix}_{1082424} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 23 \end{bmatrix}_{1082424} = \mathbf{Pl}(0,1,0,23,0,1)_{38283}$$

$$\ell_{771} = \begin{bmatrix} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{25} \end{bmatrix}_{1082987} = \begin{bmatrix} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 25 \end{bmatrix}_{1082987} = \mathbf{Pl}(0,18,0,25,0,1)_{38426}$$

$$\ell_{772} = \begin{bmatrix} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^8 \end{bmatrix}_{1083305} = \begin{bmatrix} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 13 \end{bmatrix}_{1083305} = \mathbf{Pl}(0,28,0,13,0,1)_{37680}$$

$$\ell_{773} = \begin{bmatrix} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{24} \end{bmatrix}_{1082695} = \begin{bmatrix} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 30 \end{bmatrix}_{1082695} = \mathbf{Pl}(0,9,0,30,0,1)_{38732}$$

$$\ell_{774} = \begin{bmatrix} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{21} \end{bmatrix}_{1083151} = \begin{bmatrix} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 24 \end{bmatrix}_{1083151} = \mathbf{Pl}(0,23,0,24,0,1)_{38368}$$

$$\ell_{775} = \begin{bmatrix} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^7 \end{bmatrix}_{1082850} = \begin{bmatrix} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 20 \end{bmatrix}_{1082850} = \mathbf{Pl}(0,14,0,20,0,1)_{38107}$$

$$\ell_{776} = \begin{bmatrix} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{15} \end{bmatrix}_{1082795} = \begin{bmatrix} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 31 \end{bmatrix}_{1082795} = \mathbf{Pl}(0,12,0,31,0,1)_{38798}$$

$$\ell_{777} = \begin{bmatrix} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{23} \end{bmatrix}_{1083109} = \begin{bmatrix} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 15 \end{bmatrix}_{1083109} = \mathbf{Pl}(0,22,0,15,0,1)_{37800}$$

$$\ell_{778} = \begin{bmatrix} 0 & 1 & 0 & \eta^2 \\ 0 & 0 & 1 & \eta^{28} \end{bmatrix}_{1082522} = \begin{bmatrix} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 22 \end{bmatrix}_{1082522} = \mathbf{Pl}(0,4,0,22,0,1)_{38223}$$

$$\ell_{779} = \begin{bmatrix} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{20} \end{bmatrix}_{1083205} = \begin{bmatrix} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 12 \end{bmatrix}_{1083205} = \mathbf{Pl}(0,25,0,12,0,1)_{37614}$$

$$\ell_{780} = \begin{bmatrix} 0 & 1 & 0 & \eta^4 \\ 0 & 0 & 1 & \eta^{30} \end{bmatrix}_{1082914} = \begin{bmatrix} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 18 \end{bmatrix}_{1082914} = \mathbf{Pl}(0,16,0,18,0,1)_{37983}$$

$$\ell_{781} = \begin{bmatrix} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^6 \end{bmatrix}_{1082609} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 10 \end{bmatrix}_{1082609} = \mathbf{Pl}(0,7,0,10,0,1)_{37470}$$

$$\ell_{782} = \begin{bmatrix} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{18} \end{bmatrix}_{1082866} = \begin{bmatrix} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{1082866} = \mathbf{Pl}(0,15,0,3,0,1)_{37037}$$

$$\ell_{783} = \begin{bmatrix} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{14} \end{bmatrix}_{1082595} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 29 \end{bmatrix}_{1082595} = \mathbf{Pl}(0,6,0,29,0,1)_{38666}$$

$$\ell_{784} = \begin{bmatrix} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta^{3} \end{bmatrix}_{1082805} = \begin{bmatrix} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 8 \end{bmatrix}_{1082805} = \mathbf{Pl}(0,13,0,8,0,1)_{37350}$$

$$\ell_{785} = \begin{bmatrix} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{22} \end{bmatrix}_{1082752} = \begin{bmatrix} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 21 \end{bmatrix}_{1082752} = \mathbf{Pl}(0,11,0,21,0,1)_{38167}$$

$$\ell_{786} = \begin{bmatrix} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{16} \end{bmatrix}_{1083187} = \begin{bmatrix} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 27 \end{bmatrix}_{1083187} = \mathbf{Pl}(0,24,0,27,0,1)_{38558}$$

$$\ell_{787} = \begin{bmatrix} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{27} \end{bmatrix}_{1082445} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 11 \end{bmatrix}_{1082445} = \mathbf{Pl}(0,2,0,11,0,1)_{37528}$$

$$\ell_{788} = \begin{bmatrix} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{9} \end{bmatrix}_{1083351} = \begin{bmatrix} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 26 \end{bmatrix}_{1083351} = \mathbf{Pl}(0,29,0,26,0,1)_{38500}$$

$$\ell_{789} = \begin{bmatrix} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{19} \end{bmatrix}_{1083364} = \begin{bmatrix} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{1083364} = \mathbf{Pl}(0,30,0,6,0,1)_{37241}$$

$$\ell_{790} = \begin{bmatrix} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{4} \end{bmatrix}_{1083242} = \begin{bmatrix} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 16 \end{bmatrix}_{1083242} = \mathbf{Pl}(0,26,0,16,0,1)_{37867}$$

$$\ell_{791} = \begin{bmatrix} 0 & 1 & 0 & \eta^{3} \\ 0 & 0 & 1 & \eta^{29} \end{bmatrix}_{1082641} = \begin{bmatrix} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 9 \end{bmatrix}_{1082641} = \mathbf{Pl}(0,8,0,9,0,1)_{37408}$$

$$\ell_{792} = \begin{bmatrix} 0 & 1 & 0 & \eta^{5} \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1082534} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1082534} = \mathbf{Pl}(0,5,0,1,0,1)_{36901}$$

$$\ell_{793} = \begin{bmatrix} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{5} \end{bmatrix}_{1082934} = \begin{bmatrix} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{1082934} = \mathbf{Pl}(0,17,0,5,0,1)_{37165}$$

$$\ell_{794} = \begin{bmatrix} 0 & 1 & 0 & \eta^{6} \\ 0 & 0 & 1 & \eta \end{bmatrix}_{1082700} = \begin{bmatrix} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{1082700} = \mathbf{Pl}(0,10,0,2,0,1)_{36969}$$

$$\ell_{795} = \begin{bmatrix} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{17} \end{bmatrix}_{1083080} = \begin{bmatrix} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 19 \end{bmatrix}_{1083080} = \mathbf{Pl}(0,21,0,19,0,1)_{38051}$$

$$\ell_{796} = \begin{bmatrix} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{10} \end{bmatrix}_{1083408} = \begin{bmatrix} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 17 \end{bmatrix}_{1083408} = \mathbf{Pl}(0,31,0,17,0,1)_{37935}$$

$$\ell_{797} = \begin{bmatrix} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{13} \end{bmatrix}_{1082495} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 28 \end{bmatrix}_{1082495} = \mathbf{Pl}(0,3,0,28,0,1)_{38600}$$

$$\ell_{798} = \begin{bmatrix} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{12} \end{bmatrix}_{1083009} = \begin{bmatrix} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 14 \end{bmatrix}_{1083009} = \mathbf{Pl}(0,19,0,14,0,1)_{37734}$$

$$\ell_{799} = \begin{bmatrix} 0 & 1 & 0 & \eta^{7} \\ 0 & 0 & 1 & \eta^{2} \end{bmatrix}_{1083032} = \begin{bmatrix} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{1083032} = \mathbf{Pl}(0,20,0,4,0,1)_{37105}$$

$$\ell_{800} = \begin{bmatrix} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{11} \end{bmatrix}_{1083266} = \begin{bmatrix} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{1083266} = \mathbf{Pl}(0,27,0,7,0,1)_{37301}$$

$$\ell_{801} = \begin{bmatrix} 0 & 1 & \eta^{10} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1082961} = \begin{bmatrix} 0 & 1 & 17 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1082961} = \mathbf{Pl}(0,17,0,1,0,0)_{113}$$

$$\ell_{802} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{21} \end{bmatrix}_{1082425} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 24 \end{bmatrix}_{1082425} = \mathbf{Pl}(0,1,0,24,0,1)_{38346}$$

$$\ell_{803} = \begin{bmatrix} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{20} \end{bmatrix}_{1082974} = \begin{bmatrix} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 12 \end{bmatrix}_{1082974} = \mathbf{Pl}(0,18,0,12,0,1)_{37607}$$

$$\ell_{804} = \begin{bmatrix} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{3} \end{bmatrix}_{1083300} = \begin{bmatrix} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 8 \end{bmatrix}_{1083300} = \mathbf{Pl}(0, 28, 0, 8, 0, 1)_{37365}$$

$$\ell_{805} = \begin{bmatrix} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{19} \end{bmatrix}_{1082671} = \begin{bmatrix} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{1082671} = \mathbf{Pl}(0, 9, 0, 6, 0, 1)_{37220}$$

$$\ell_{806} = \begin{bmatrix} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{16} \end{bmatrix}_{1083154} = \begin{bmatrix} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 27 \end{bmatrix}_{1083154} = \mathbf{Pl}(0, 23, 0, 27, 0, 1)_{38557}$$

$$\ell_{807} = \begin{bmatrix} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{2} \end{bmatrix}_{1082834} = \begin{bmatrix} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{1082834} = \mathbf{Pl}(0, 14, 0, 4, 0, 1)_{37099}$$

$$\ell_{808} = \begin{bmatrix} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{10} \end{bmatrix}_{1082781} = \begin{bmatrix} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 17 \end{bmatrix}_{1082781} = \mathbf{Pl}(0, 12, 0, 17, 0, 1)_{37916}$$

$$\ell_{809} = \begin{bmatrix} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{18} \end{bmatrix}_{1083097} = \begin{bmatrix} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{1083097} = \mathbf{Pl}(0, 22, 0, 3, 0, 1)_{37044}$$

$$\ell_{810} = \begin{bmatrix} 0 & 1 & 0 & \eta^{2} \\ 0 & 0 & 1 & \eta^{23} \end{bmatrix}_{1082515} = \begin{bmatrix} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 15 \end{bmatrix}_{1082515} = \mathbf{Pl}(0, 4, 0, 15, 0, 1)_{37782}$$

$$\ell_{811} = \begin{bmatrix} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{15} \end{bmatrix}_{1083224} = \begin{bmatrix} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 31 \end{bmatrix}_{1083224} = \mathbf{Pl}(0, 25, 0, 31, 0, 1)_{38811}$$

$$\ell_{812} = \begin{bmatrix} 0 & 1 & 0 & \eta^{4} \\ 0 & 0 & 1 & \eta^{25} \end{bmatrix}_{1082921} = \begin{bmatrix} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 25 \end{bmatrix}_{1082921} = \mathbf{Pl}(0, 16, 0, 25, 0, 1)_{38424}$$

$$\ell_{813} = \begin{bmatrix} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta \end{bmatrix}_{1082601} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{1082601} = \mathbf{Pl}(0, 7, 0, 2, 0, 1)_{36966}$$

$$\ell_{814} = \begin{bmatrix} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{13} \end{bmatrix}_{1082891} = \begin{bmatrix} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 28 \end{bmatrix}_{1082891} = \mathbf{Pl}(0, 15, 0, 28, 0, 1)_{38612}$$

$$\ell_{815} = \begin{bmatrix} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{9} \end{bmatrix}_{1082592} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 26 \end{bmatrix}_{1082592} = \mathbf{Pl}(0, 6, 0, 26, 0, 1)_{38477}$$

$$\ell_{816} = \begin{bmatrix} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta^{29} \end{bmatrix}_{1082806} = \begin{bmatrix} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 9 \end{bmatrix}_{1082806} = \mathbf{Pl}(0, 13, 0, 9, 0, 1)_{37413}$$

$$\ell_{817} = \begin{bmatrix} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{17} \end{bmatrix}_{1082750} = \begin{bmatrix} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 19 \end{bmatrix}_{1082750} = \mathbf{Pl}(0, 11, 0, 19, 0, 1)_{38041}$$

$$\ell_{818} = \begin{bmatrix} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{11} \end{bmatrix}_{1083167} = \begin{bmatrix} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{1083167} = \mathbf{Pl}(0, 24, 0, 7, 0, 1)_{37298}$$

$$\ell_{819} = \begin{bmatrix} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{22} \end{bmatrix}_{1082455} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 21 \end{bmatrix}_{1082455} = \mathbf{Pl}(0, 2, 0, 21, 0, 1)_{38158}$$

$$\ell_{820} = \begin{bmatrix} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{4} \end{bmatrix}_{1083341} = \begin{bmatrix} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 16 \end{bmatrix}_{1083341} = \mathbf{Pl}(0, 29, 0, 16, 0, 1)_{37870}$$

$$\ell_{821} = \begin{bmatrix} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{14} \end{bmatrix}_{1083387} = \begin{bmatrix} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 29 \end{bmatrix}_{1083387} = \mathbf{Pl}(0, 30, 0, 29, 0, 1)_{38690}$$

$$\ell_{822} = \begin{bmatrix} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{30} \end{bmatrix}_{1083244} = \begin{bmatrix} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 18 \end{bmatrix}_{1083244} = \mathbf{Pl}(0, 26, 0, 18, 0, 1)_{37993}$$

$$\ell_{823} = \begin{bmatrix} 0 & 1 & 0 & \eta^{3} \\ 0 & 0 & 1 & \eta^{24} \end{bmatrix}_{1082662} = \begin{bmatrix} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 30 \end{bmatrix}_{1082662} = \mathbf{Pl}(0, 8, 0, 30, 0, 1)_{38731}$$

$$\ell_{824} = \begin{bmatrix} 0 & 1 & 0 & \eta^{5} \\ 0 & 0 & 1 & \eta^{26} \end{bmatrix}_{1082556} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 23 \end{bmatrix}_{1082556} = \mathbf{Pl}(0, 5, 0, 23, 0, 1)_{38287}$$

$$\ell_{825} = \begin{bmatrix} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1082930} = \begin{bmatrix} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1082930} = \mathbf{Pl}(0,17,0,1,0,1)_{36913}$$

$$\ell_{826} = \begin{bmatrix} 0 & 1 & 0 & \eta^{6} \\ 0 & 0 & 1 & \eta^{27} \end{bmatrix}_{1082709} = \begin{bmatrix} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 11 \end{bmatrix}_{1082709} = \mathbf{Pl}(0,10,0,11,0,1)_{37536}$$

$$\ell_{827} = \begin{bmatrix} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{12} \end{bmatrix}_{1083075} = \begin{bmatrix} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 14 \end{bmatrix}_{1083075} = \mathbf{Pl}(0,21,0,14,0,1)_{37736}$$

$$\ell_{828} = \begin{bmatrix} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{5} \end{bmatrix}_{1083396} = \begin{bmatrix} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{1083396} = \mathbf{Pl}(0,31,0,5,0,1)_{37179}$$

$$\ell_{829} = \begin{bmatrix} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{8} \end{bmatrix}_{1082480} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 13 \end{bmatrix}_{1082480} = \mathbf{Pl}(0,3,0,13,0,1)_{37655}$$

$$\ell_{830} = \begin{bmatrix} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{7} \end{bmatrix}_{1083015} = \begin{bmatrix} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 20 \end{bmatrix}_{1083015} = \mathbf{Pl}(0,19,0,20,0,1)_{38112}$$

$$\ell_{831} = \begin{bmatrix} 0 & 1 & 0 & \eta^{7} \\ 0 & 0 & 1 & \eta^{28} \end{bmatrix}_{1083050} = \begin{bmatrix} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 22 \end{bmatrix}_{1083050} = \mathbf{Pl}(0,20,0,22,0,1)_{38239}$$

$$\ell_{832} = \begin{bmatrix} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{6} \end{bmatrix}_{1083269} = \begin{bmatrix} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 10 \end{bmatrix}_{1083269} = \mathbf{Pl}(0,27,0,10,0,1)_{37490}$$

$$\ell_{833} = \begin{bmatrix} 0 & 1 & \eta^{6} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1082730} = \begin{bmatrix} 0 & 1 & 10 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1082730} = \mathbf{Pl}(0,10,0,1,0,0)_{106}$$

$$\ell_{834} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{25} \end{bmatrix}_{1082426} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 25 \end{bmatrix}_{1082426} = \mathbf{Pl}(0,1,0,25,0,1)_{38409}$$

$$\ell_{835} = \begin{bmatrix} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{24} \end{bmatrix}_{1082992} = \begin{bmatrix} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 30 \end{bmatrix}_{1082992} = \mathbf{Pl}(0,18,0,30,0,1)_{38741}$$

$$\ell_{836} = \begin{bmatrix} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{7} \end{bmatrix}_{1083312} = \begin{bmatrix} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 20 \end{bmatrix}_{1083312} = \mathbf{Pl}(0,28,0,20,0,1)_{38121}$$

$$\ell_{837} = \begin{bmatrix} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{23} \end{bmatrix}_{1082680} = \begin{bmatrix} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 15 \end{bmatrix}_{1082680} = \mathbf{Pl}(0,9,0,15,0,1)_{37787}$$

$$\ell_{838} = \begin{bmatrix} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{20} \end{bmatrix}_{1083139} = \begin{bmatrix} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 12 \end{bmatrix}_{1083139} = \mathbf{Pl}(0,23,0,12,0,1)_{37612}$$

$$\ell_{839} = \begin{bmatrix} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{6} \end{bmatrix}_{1082840} = \begin{bmatrix} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 10 \end{bmatrix}_{1082840} = \mathbf{Pl}(0,14,0,10,0,1)_{37477}$$

$$\ell_{840} = \begin{bmatrix} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{14} \end{bmatrix}_{1082793} = \begin{bmatrix} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 29 \end{bmatrix}_{1082793} = \mathbf{Pl}(0,12,0,29,0,1)_{38672}$$

$$\ell_{841} = \begin{bmatrix} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{22} \end{bmatrix}_{1083115} = \begin{bmatrix} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 21 \end{bmatrix}_{1083115} = \mathbf{Pl}(0,22,0,21,0,1)_{38178}$$

$$\ell_{842} = \begin{bmatrix} 0 & 1 & 0 & \eta^{2} \\ 0 & 0 & 1 & \eta^{27} \end{bmatrix}_{1082511} = \begin{bmatrix} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 11 \end{bmatrix}_{1082511} = \mathbf{Pl}(0,4,0,11,0,1)_{37530}$$

$$\ell_{843} = \begin{bmatrix} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{19} \end{bmatrix}_{1083199} = \begin{bmatrix} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{1083199} = \mathbf{Pl}(0,25,0,6,0,1)_{37236}$$

$$\ell_{844} = \begin{bmatrix} 0 & 1 & 0 & \eta^{4} \\ 0 & 0 & 1 & \eta^{29} \end{bmatrix}_{1082905} = \begin{bmatrix} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 9 \end{bmatrix}_{1082905} = \mathbf{Pl}(0,16,0,9,0,1)_{37416}$$

$$\ell_{845} = \begin{bmatrix} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{5} \end{bmatrix}_{1082604} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{1082604} = \mathbf{Pl}(0,7,0,5,0,1)_{37155}$$

$$\ell_{846} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{17} \end{array}\right]_{1082882} = \left[\begin{array}{cccc} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 19 \end{array}\right]_{1082882} = \mathbf{Pl}(0,15,0,19,0,1)_{38045}$$

$$\ell_{847} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{13} \end{array}\right]_{1082594} = \left[\begin{array}{cccc} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 28 \end{array}\right]_{1082594} = \mathbf{Pl}(0,6,0,28,0,1)_{38603}$$

$$\ell_{848} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta^{2} \end{array}\right]_{1082801} = \left[\begin{array}{cccc} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 4 \end{array}\right]_{1082801} = \mathbf{Pl}(0,13,0,4,0,1)_{37098}$$

$$\ell_{849} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{21} \end{array}\right]_{1082755} = \left[\begin{array}{cccc} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 24 \end{array}\right]_{1082755} = \mathbf{Pl}(0,11,0,24,0,1)_{38356}$$

$$\ell_{850} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{15} \end{array}\right]_{1083191} = \left[\begin{array}{cccc} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 31 \end{array}\right]_{1083191} = \mathbf{Pl}(0,24,0,31,0,1)_{38810}$$

$$\ell_{851} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{26} \end{array}\right]_{1082457} = \left[\begin{array}{cccc} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 23 \end{array}\right]_{1082457} = \mathbf{Pl}(0,2,0,23,0,1)_{38284}$$

$$\ell_{852} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{8} \end{array}\right]_{1083338} = \left[\begin{array}{cccc} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 13 \end{array}\right]_{1083338} = \mathbf{Pl}(0,29,0,13,0,1)_{37681}$$

$$\ell_{853} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{18} \end{array}\right]_{1083361} = \left[\begin{array}{cccc} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 3 \end{array}\right]_{1083361} = \mathbf{Pl}(0,30,0,3,0,1)_{37052}$$

$$\ell_{854} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{3} \end{array}\right]_{1083234} = \left[\begin{array}{cccc} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 8 \end{array}\right]_{1083234} = \mathbf{Pl}(0,26,0,8,0,1)_{37363}$$

$$\ell_{855} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{3} \\ 0 & 0 & 1 & \eta^{28} \end{array}\right]_{1082654} = \left[\begin{array}{cccc} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 22 \end{array}\right]_{1082654} = \mathbf{Pl}(0,8,0,22,0,1)_{38227}$$

$$\ell_{856} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{5} \\ 0 & 0 & 1 & \eta^{30} \end{array}\right]_{1082551} = \left[\begin{array}{cccc} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 18 \end{array}\right]_{1082551} = \mathbf{Pl}(0,5,0,18,0,1)_{37972}$$

$$\ell_{857} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{4} \end{array}\right]_{1082945} = \left[\begin{array}{cccc} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 16 \end{array}\right]_{1082945} = \mathbf{Pl}(0,17,0,16,0,1)_{37858}$$

$$\ell_{858} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{6} \\ 0 & 0 & 1 & 1 \end{array}\right]_{1082699} = \left[\begin{array}{cccc} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 1 \end{array}\right]_{1082699} = \mathbf{Pl}(0,10,0,1,0,1)_{36906}$$

$$\ell_{859} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{16} \end{array}\right]_{1083088} = \left[\begin{array}{cccc} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 27 \end{array}\right]_{1083088} = \mathbf{Pl}(0,21,0,27,0,1)_{38555}$$

$$\ell_{860} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{9} \end{array}\right]_{1083417} = \left[\begin{array}{cccc} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 26 \end{array}\right]_{1083417} = \mathbf{Pl}(0,31,0,26,0,1)_{38502}$$

$$\ell_{861} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{12} \end{array}\right]_{1082481} = \left[\begin{array}{cccc} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 14 \end{array}\right]_{1082481} = \mathbf{Pl}(0,3,0,14,0,1)_{37718}$$

$$\ell_{862} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{11} \end{array}\right]_{1083002} = \left[\begin{array}{cccc} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 7 \end{array}\right]_{1083002} = \mathbf{Pl}(0,19,0,7,0,1)_{37293}$$

$$\ell_{863} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{7} \\ 0 & 0 & 1 & \eta \end{array}\right]_{1083030} = \left[\begin{array}{cccc} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 2 \end{array}\right]_{1083030} = \mathbf{Pl}(0,20,0,2,0,1)_{36979}$$

$$\ell_{864} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{10} \end{array}\right]_{1083276} = \left[\begin{array}{cccc} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 17 \end{array}\right]_{1083276} = \mathbf{Pl}(0,27,0,17,0,1)_{37931}$$

$$\ell_{865} = \left[\begin{array}{cccc} 0 & 1 & \eta^{22} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1083093} = \left[\begin{array}{cccc} 0 & 1 & 21 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1083093} = \mathbf{Pl}(0,21,0,1,0,0)_{117}$$

$$\ell_{866} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{9} \end{array}\right]_{1082427} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 26 \end{array}\right]_{1082427} = \mathbf{Pl}(0,1,0,26,0,1)_{38472}$$

$$\ell_{867} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^8 \end{array}\right]_{1082975} = \left[\begin{array}{cccc} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 13 \end{array}\right]_{1082975} = \mathbf{Pl}(0,18,0,13,0,1)_{37670}$$

$$\ell_{868} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{22} \end{array}\right]_{1083313} = \left[\begin{array}{cccc} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 21 \end{array}\right]_{1083313} = \mathbf{Pl}(0,28,0,21,0,1)_{38184}$$

$$\ell_{869} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^7 \end{array}\right]_{1082685} = \left[\begin{array}{cccc} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 20 \end{array}\right]_{1082685} = \mathbf{Pl}(0,9,0,20,0,1)_{38102}$$

$$\ell_{870} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^4 \end{array}\right]_{1083143} = \left[\begin{array}{cccc} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 16 \end{array}\right]_{1083143} = \mathbf{Pl}(0,23,0,16,0,1)_{37864}$$

$$\ell_{871} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{21} \end{array}\right]_{1082854} = \left[\begin{array}{cccc} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 24 \end{array}\right]_{1082854} = \mathbf{Pl}(0,14,0,24,0,1)_{38359}$$

$$\ell_{872} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{29} \end{array}\right]_{1082773} = \left[\begin{array}{cccc} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 9 \end{array}\right]_{1082773} = \mathbf{Pl}(0,12,0,9,0,1)_{37412}$$

$$\ell_{873} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^6 \end{array}\right]_{1083104} = \left[\begin{array}{cccc} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 10 \end{array}\right]_{1083104} = \mathbf{Pl}(0,22,0,10,0,1)_{37485}$$

$$\ell_{874} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^2 \\ 0 & 0 & 1 & \eta^{11} \end{array}\right]_{1082507} = \left[\begin{array}{cccc} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 7 \end{array}\right]_{1082507} = \mathbf{Pl}(0,4,0,7,0,1)_{37278}$$

$$\ell_{875} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^3 \end{array}\right]_{1083201} = \left[\begin{array}{cccc} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 8 \end{array}\right]_{1083201} = \mathbf{Pl}(0,25,0,8,0,1)_{37362}$$

$$\ell_{876} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^4 \\ 0 & 0 & 1 & \eta^{13} \end{array}\right]_{1082924} = \left[\begin{array}{cccc} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 28 \end{array}\right]_{1082924} = \mathbf{Pl}(0,16,0,28,0,1)_{38613}$$

$$\ell_{877} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{20} \end{array}\right]_{1082611} = \left[\begin{array}{cccc} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 12 \end{array}\right]_{1082611} = \mathbf{Pl}(0,7,0,12,0,1)_{37596}$$

$$\ell_{878} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta \end{array}\right]_{1082865} = \left[\begin{array}{cccc} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 2 \end{array}\right]_{1082865} = \mathbf{Pl}(0,15,0,2,0,1)_{36974}$$

$$\ell_{879} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{28} \end{array}\right]_{1082588} = \left[\begin{array}{cccc} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 22 \end{array}\right]_{1082588} = \mathbf{Pl}(0,6,0,22,0,1)_{38225}$$

$$\ell_{880} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^8 \\ 0 & 0 & 1 & \eta^{17} \end{array}\right]_{1082816} = \left[\begin{array}{cccc} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 19 \end{array}\right]_{1082816} = \mathbf{Pl}(0,13,0,19,0,1)_{38043}$$

$$\ell_{881} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^5 \end{array}\right]_{1082736} = \left[\begin{array}{cccc} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 5 \end{array}\right]_{1082736} = \mathbf{Pl}(0,11,0,5,0,1)_{37159}$$

$$\ell_{882} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{30} \end{array}\right]_{1083178} = \left[\begin{array}{cccc} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 18 \end{array}\right]_{1083178} = \mathbf{Pl}(0,24,0,18,0,1)_{37991}$$

$$\ell_{883} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{10} \end{array}\right]_{1082451} = \left[\begin{array}{cccc} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 17 \end{array}\right]_{1082451} = \mathbf{Pl}(0,2,0,17,0,1)_{37906}$$

$$\ell_{884} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{23} \end{array}\right]_{1083340} = \left[\begin{array}{cccc} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 15 \end{array}\right]_{1083340} = \mathbf{Pl}(0,29,0,15,0,1)_{37807}$$

$$\ell_{885} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^2 \end{array}\right]_{1083362} = \left[\begin{array}{cccc} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 4 \end{array}\right]_{1083362} = \mathbf{Pl}(0,30,0,4,0,1)_{37115}$$

$$\ell_{886} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^9 \\ 0 & 0 & 1 & \eta^{18} \end{array}\right]_{1083229} = \left[\begin{array}{cccc} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 3 \end{array}\right]_{1083229} = \mathbf{Pl}(0,26,0,3,0,1)_{37048}$$

$$\ell_{887} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^3 \\ 0 & 0 & 1 & \eta^{12} \end{array}\right]_{1082646} = \left[\begin{array}{cccc} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 14 \end{array}\right]_{1082646} = \mathbf{Pl}(0,8,0,14,0,1)_{37723}$$

$$\ell_{888} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^5 \\ 0 & 0 & 1 & \eta^{14} \end{array}\right]_{1082562} = \left[\begin{array}{cccc} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 29 \end{array}\right]_{1082562} = \mathbf{Pl}(0,5,0,29,0,1)_{38665}$$

$$\ell_{889} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{19} \end{array}\right]_{1082935} = \left[\begin{array}{cccc} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 6 \end{array}\right]_{1082935} = \mathbf{Pl}(0,17,0,6,0,1)_{37228}$$

$$\ell_{890} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^6 \\ 0 & 0 & 1 & \eta^{15} \end{array}\right]_{1082729} = \left[\begin{array}{cccc} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 31 \end{array}\right]_{1082729} = \mathbf{Pl}(0,10,0,31,0,1)_{38796}$$

$$\ell_{891} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & 1 \end{array}\right]_{1083062} = \left[\begin{array}{cccc} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 1 \end{array}\right]_{1083062} = \mathbf{Pl}(0,21,0,1,0,1)_{36917}$$

$$\ell_{892} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{24} \end{array}\right]_{1083421} = \left[\begin{array}{cccc} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 30 \end{array}\right]_{1083421} = \mathbf{Pl}(0,31,0,30,0,1)_{38754}$$

$$\ell_{893} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{27} \end{array}\right]_{1082478} = \left[\begin{array}{cccc} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 11 \end{array}\right]_{1082478} = \mathbf{Pl}(0,3,0,11,0,1)_{37529}$$

$$\ell_{894} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{26} \end{array}\right]_{1083018} = \left[\begin{array}{cccc} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 23 \end{array}\right]_{1083018} = \mathbf{Pl}(0,19,0,23,0,1)_{38301}$$

$$\ell_{895} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^7 \\ 0 & 0 & 1 & \eta^{16} \end{array}\right]_{1083055} = \left[\begin{array}{cccc} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 27 \end{array}\right]_{1083055} = \mathbf{Pl}(0,20,0,27,0,1)_{38554}$$

$$\ell_{896} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{25} \end{array}\right]_{1083284} = \left[\begin{array}{cccc} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 25 \end{array}\right]_{1083284} = \mathbf{Pl}(0,27,0,25,0,1)_{38435}$$

$$\ell_{897} = \left[\begin{array}{cccc} 0 & 1 & \eta^{15} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1083423} = \left[\begin{array}{cccc} 0 & 1 & 31 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1083423} = \mathbf{Pl}(0,31,0,1,0,0)_{127}$$

$$\ell_{898} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{16} \end{array}\right]_{1082428} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 27 \end{array}\right]_{1082428} = \mathbf{Pl}(0,1,0,27,0,1)_{38535}$$

$$\ell_{899} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{15} \end{array}\right]_{1082993} = \left[\begin{array}{cccc} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 31 \end{array}\right]_{1082993} = \mathbf{Pl}(0,18,0,31,0,1)_{38804}$$

$$\ell_{900} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{29} \end{array}\right]_{1083301} = \left[\begin{array}{cccc} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 9 \end{array}\right]_{1083301} = \mathbf{Pl}(0,28,0,9,0,1)_{37428}$$

$$\ell_{901} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{14} \end{array}\right]_{1082694} = \left[\begin{array}{cccc} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 29 \end{array}\right]_{1082694} = \mathbf{Pl}(0,9,0,29,0,1)_{38669}$$

$$\ell_{902} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{11} \end{array}\right]_{1083134} = \left[\begin{array}{cccc} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 7 \end{array}\right]_{1083134} = \mathbf{Pl}(0,23,0,7,0,1)_{37297}$$

$$\ell_{903} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{28} \end{array}\right]_{1082852} = \left[\begin{array}{cccc} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 22 \end{array}\right]_{1082852} = \mathbf{Pl}(0,14,0,22,0,1)_{38233}$$

$$\ell_{904} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^5 \end{array}\right]_{1082769} = \left[\begin{array}{cccc} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 5 \end{array}\right]_{1082769} = \mathbf{Pl}(0,12,0,5,0,1)_{37160}$$

$$\ell_{905} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{13} \end{array}\right]_{1083122} = \left[\begin{array}{cccc} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 28 \end{array}\right]_{1083122} = \mathbf{Pl}(0,22,0,28,0,1)_{38619}$$

$$\ell_{906} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^2 \\ 0 & 0 & 1 & \eta^{18} \end{array}\right]_{1082503} = \left[\begin{array}{cccc} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 3 \end{array}\right]_{1082503} = \mathbf{Pl}(0,4,0,3,0,1)_{37026}$$

$$\ell_{907} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{10} \end{array}\right]_{1083210} = \left[\begin{array}{cccc} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 17 \end{array}\right]_{1083210} = \mathbf{Pl}(0,25,0,17,0,1)_{37929}$$

$$\ell_{908} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^4 \\ 0 & 0 & 1 & \eta^{20} \end{array}\right]_{1082908} = \left[\begin{array}{cccc} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 12 \end{array}\right]_{1082908} = \mathbf{Pl}(0,16,0,12,0,1)_{37605}$$

$$\ell_{909} = \begin{bmatrix} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{27} \end{bmatrix}_{1082610} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 11 \end{bmatrix}_{1082610} = \mathbf{Pl}(0,7,0,11,0,1)_{37533}$$

$$\ell_{910} = \begin{bmatrix} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{8} \end{bmatrix}_{1082876} = \begin{bmatrix} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 13 \end{bmatrix}_{1082876} = \mathbf{Pl}(0,15,0,13,0,1)_{37667}$$

$$\ell_{911} = \begin{bmatrix} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{4} \end{bmatrix}_{1082582} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 16 \end{bmatrix}_{1082582} = \mathbf{Pl}(0,6,0,16,0,1)_{37847}$$

$$\ell_{912} = \begin{bmatrix} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta^{24} \end{bmatrix}_{1082827} = \begin{bmatrix} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 30 \end{bmatrix}_{1082827} = \mathbf{Pl}(0,13,0,30,0,1)_{38736}$$

$$\ell_{913} = \begin{bmatrix} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{12} \end{bmatrix}_{1082745} = \begin{bmatrix} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 14 \end{bmatrix}_{1082745} = \mathbf{Pl}(0,11,0,14,0,1)_{37726}$$

$$\ell_{914} = \begin{bmatrix} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{6} \end{bmatrix}_{1083170} = \begin{bmatrix} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 10 \end{bmatrix}_{1083170} = \mathbf{Pl}(0,24,0,10,0,1)_{37487}$$

$$\ell_{915} = \begin{bmatrix} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{17} \end{bmatrix}_{1082453} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 19 \end{bmatrix}_{1082453} = \mathbf{Pl}(0,2,0,19,0,1)_{38032}$$

$$\ell_{916} = \begin{bmatrix} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{30} \end{bmatrix}_{1083343} = \begin{bmatrix} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 18 \end{bmatrix}_{1083343} = \mathbf{Pl}(0,29,0,18,0,1)_{37996}$$

$$\ell_{917} = \begin{bmatrix} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{9} \end{bmatrix}_{1083384} = \begin{bmatrix} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 26 \end{bmatrix}_{1083384} = \mathbf{Pl}(0,30,0,26,0,1)_{38501}$$

$$\ell_{918} = \begin{bmatrix} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{25} \end{bmatrix}_{1083251} = \begin{bmatrix} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 25 \end{bmatrix}_{1083251} = \mathbf{Pl}(0,26,0,25,0,1)_{38434}$$

$$\ell_{919} = \begin{bmatrix} 0 & 1 & 0 & \eta^{3} \\ 0 & 0 & 1 & \eta^{19} \end{bmatrix}_{1082638} = \begin{bmatrix} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{1082638} = \mathbf{Pl}(0,8,0,6,0,1)_{37219}$$

$$\ell_{920} = \begin{bmatrix} 0 & 1 & 0 & \eta^{5} \\ 0 & 0 & 1 & \eta^{21} \end{bmatrix}_{1082557} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 24 \end{bmatrix}_{1082557} = \mathbf{Pl}(0,5,0,24,0,1)_{38350}$$

$$\ell_{921} = \begin{bmatrix} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{26} \end{bmatrix}_{1082952} = \begin{bmatrix} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 23 \end{bmatrix}_{1082952} = \mathbf{Pl}(0,17,0,23,0,1)_{38299}$$

$$\ell_{922} = \begin{bmatrix} 0 & 1 & 0 & \eta^{6} \\ 0 & 0 & 1 & \eta^{22} \end{bmatrix}_{1082719} = \begin{bmatrix} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 21 \end{bmatrix}_{1082719} = \mathbf{Pl}(0,10,0,21,0,1)_{38166}$$

$$\ell_{923} = \begin{bmatrix} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{7} \end{bmatrix}_{1083081} = \begin{bmatrix} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 20 \end{bmatrix}_{1083081} = \mathbf{Pl}(0,21,0,20,0,1)_{38114}$$

$$\ell_{924} = \begin{bmatrix} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1083392} = \begin{bmatrix} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1083392} = \mathbf{Pl}(0,31,0,1,0,1)_{36927}$$

$$\ell_{925} = \begin{bmatrix} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{3} \end{bmatrix}_{1082475} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 8 \end{bmatrix}_{1082475} = \mathbf{Pl}(0,3,0,8,0,1)_{37340}$$

$$\ell_{926} = \begin{bmatrix} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{2} \end{bmatrix}_{1082999} = \begin{bmatrix} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{1082999} = \mathbf{Pl}(0,19,0,4,0,1)_{37104}$$

$$\ell_{927} = \begin{bmatrix} 0 & 1 & 0 & \eta^{7} \\ 0 & 0 & 1 & \eta^{23} \end{bmatrix}_{1083043} = \begin{bmatrix} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 15 \end{bmatrix}_{1083043} = \mathbf{Pl}(0,20,0,15,0,1)_{37798}$$

$$\ell_{928} = \begin{bmatrix} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta \end{bmatrix}_{1083261} = \begin{bmatrix} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{1083261} = \mathbf{Pl}(0,27,0,2,0,1)_{36986}$$

$$\ell_{929} = \begin{bmatrix} 0 & 1 & \eta^{18} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1082499} = \begin{bmatrix} 0 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1082499} = \mathbf{Pl}(0,3,0,1,0,0)_{99}$$

$$\ell_{930} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{13} \end{bmatrix}_{1082429} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 28 \end{bmatrix}_{1082429} = \mathbf{Pl}(0,1,0,28,0,1)_{38598}$$

$$\ell_{931} = \begin{bmatrix} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{12} \end{bmatrix}_{1082976} = \begin{bmatrix} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 14 \end{bmatrix}_{1082976} = \mathbf{Pl}(0,18,0,14,0,1)_{37733}$$

$$\ell_{932} = \begin{bmatrix} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{26} \end{bmatrix}_{1083315} = \begin{bmatrix} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 23 \end{bmatrix}_{1083315} = \mathbf{Pl}(0,28,0,23,0,1)_{38310}$$

$$\ell_{933} = \begin{bmatrix} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{11} \end{bmatrix}_{1082672} = \begin{bmatrix} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{1082672} = \mathbf{Pl}(0,9,0,7,0,1)_{37283}$$

$$\ell_{934} = \begin{bmatrix} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{8} \end{bmatrix}_{1083140} = \begin{bmatrix} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 13 \end{bmatrix}_{1083140} = \mathbf{Pl}(0,23,0,13,0,1)_{37675}$$

$$\ell_{935} = \begin{bmatrix} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{25} \end{bmatrix}_{1082855} = \begin{bmatrix} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 25 \end{bmatrix}_{1082855} = \mathbf{Pl}(0,14,0,25,0,1)_{38422}$$

$$\ell_{936} = \begin{bmatrix} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{2} \end{bmatrix}_{1082768} = \begin{bmatrix} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{1082768} = \mathbf{Pl}(0,12,0,4,0,1)_{37097}$$

$$\ell_{937} = \begin{bmatrix} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{10} \end{bmatrix}_{1083111} = \begin{bmatrix} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 17 \end{bmatrix}_{1083111} = \mathbf{Pl}(0,22,0,17,0,1)_{37926}$$

$$\ell_{938} = \begin{bmatrix} 0 & 1 & 0 & \eta^{2} \\ 0 & 0 & 1 & \eta^{15} \end{bmatrix}_{1082531} = \begin{bmatrix} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 31 \end{bmatrix}_{1082531} = \mathbf{Pl}(0,4,0,31,0,1)_{38790}$$

$$\ell_{939} = \begin{bmatrix} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{7} \end{bmatrix}_{1083213} = \begin{bmatrix} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 20 \end{bmatrix}_{1083213} = \mathbf{Pl}(0,25,0,20,0,1)_{38118}$$

$$\ell_{940} = \begin{bmatrix} 0 & 1 & 0 & \eta^{4} \\ 0 & 0 & 1 & \eta^{17} \end{bmatrix}_{1082915} = \begin{bmatrix} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 19 \end{bmatrix}_{1082915} = \mathbf{Pl}(0,16,0,19,0,1)_{38046}$$

$$\ell_{941} = \begin{bmatrix} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{24} \end{bmatrix}_{1082629} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 30 \end{bmatrix}_{1082629} = \mathbf{Pl}(0,7,0,30,0,1)_{38730}$$

$$\ell_{942} = \begin{bmatrix} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{5} \end{bmatrix}_{1082868} = \begin{bmatrix} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{1082868} = \mathbf{Pl}(0,15,0,5,0,1)_{37163}$$

$$\ell_{943} = \begin{bmatrix} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta \end{bmatrix}_{1082568} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{1082568} = \mathbf{Pl}(0,6,0,2,0,1)_{36965}$$

$$\ell_{944} = \begin{bmatrix} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta^{21} \end{bmatrix}_{1082821} = \begin{bmatrix} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 24 \end{bmatrix}_{1082821} = \mathbf{Pl}(0,13,0,24,0,1)_{38358}$$

$$\ell_{945} = \begin{bmatrix} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{9} \end{bmatrix}_{1082757} = \begin{bmatrix} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 26 \end{bmatrix}_{1082757} = \mathbf{Pl}(0,11,0,26,0,1)_{38482}$$

$$\ell_{946} = \begin{bmatrix} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{3} \end{bmatrix}_{1083168} = \begin{bmatrix} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 8 \end{bmatrix}_{1083168} = \mathbf{Pl}(0,24,0,8,0,1)_{37361}$$

$$\ell_{947} = \begin{bmatrix} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{14} \end{bmatrix}_{1082463} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 29 \end{bmatrix}_{1082463} = \mathbf{Pl}(0,2,0,29,0,1)_{38662}$$

$$\ell_{948} = \begin{bmatrix} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{27} \end{bmatrix}_{1083336} = \begin{bmatrix} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 11 \end{bmatrix}_{1083336} = \mathbf{Pl}(0,29,0,11,0,1)_{37555}$$

$$\ell_{949} = \begin{bmatrix} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{6} \end{bmatrix}_{1083368} = \begin{bmatrix} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 10 \end{bmatrix}_{1083368} = \mathbf{Pl}(0,30,0,10,0,1)_{37493}$$

$$\ell_{950} = \begin{bmatrix} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{22} \end{bmatrix}_{1083247} = \begin{bmatrix} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 21 \end{bmatrix}_{1083247} = \mathbf{Pl}(0,26,0,21,0,1)_{38182}$$

$$\ell_{951} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^3 \\ 0 & 0 & 1 & \eta^{16} \end{array} \right]_{1082659} = \left[\begin{array}{cccc} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 27 \end{array} \right]_{1082659} = \mathbf{Pl}(0,8,0,27,0,1)_{38542}$$

$$\ell_{952} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^5 \\ 0 & 0 & 1 & \eta^{18} \end{array} \right]_{1082536} = \left[\begin{array}{cccc} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 3 \end{array} \right]_{1082536} = \mathbf{Pl}(0,5,0,3,0,1)_{37027}$$

$$\ell_{953} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{23} \end{array} \right]_{1082944} = \left[\begin{array}{cccc} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 15 \end{array} \right]_{1082944} = \mathbf{Pl}(0,17,0,15,0,1)_{37795}$$

$$\ell_{954} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^6 \\ 0 & 0 & 1 & \eta^{19} \end{array} \right]_{1082704} = \left[\begin{array}{cccc} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 6 \end{array} \right]_{1082704} = \mathbf{Pl}(0,10,0,6,0,1)_{37221}$$

$$\ell_{955} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^4 \end{array} \right]_{1083077} = \left[\begin{array}{cccc} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 16 \end{array} \right]_{1083077} = \mathbf{Pl}(0,21,0,16,0,1)_{37862}$$

$$\ell_{956} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{28} \end{array} \right]_{1083413} = \left[\begin{array}{cccc} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 22 \end{array} \right]_{1083413} = \mathbf{Pl}(0,31,0,22,0,1)_{38250}$$

$$\ell_{957} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & 1 \end{array} \right]_{1082468} = \left[\begin{array}{cccc} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 1 \end{array} \right]_{1082468} = \mathbf{Pl}(0,3,0,1,0,1)_{36899}$$

$$\ell_{958} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{30} \end{array} \right]_{1083013} = \left[\begin{array}{cccc} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 18 \end{array} \right]_{1083013} = \mathbf{Pl}(0,19,0,18,0,1)_{37986}$$

$$\ell_{959} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^7 \\ 0 & 0 & 1 & \eta^{20} \end{array} \right]_{1083040} = \left[\begin{array}{cccc} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 12 \end{array} \right]_{1083040} = \mathbf{Pl}(0,20,0,12,0,1)_{37609}$$

$$\ell_{960} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{29} \end{array} \right]_{1083268} = \left[\begin{array}{cccc} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 9 \end{array} \right]_{1083268} = \mathbf{Pl}(0,27,0,9,0,1)_{37427}$$

$$\ell_{961} = \left[\begin{array}{cccc} 0 & 1 & \eta^{17} & 0 \\ 0 & 0 & 0 & 1 \end{array} \right]_{1083027} = \left[\begin{array}{cccc} 0 & 1 & 19 & 0 \\ 0 & 0 & 0 & 1 \end{array} \right]_{1083027} = \mathbf{Pl}(0,19,0,1,0,0)_{115}$$

$$\ell_{962} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{14} \end{array} \right]_{1082430} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 29 \end{array} \right]_{1082430} = \mathbf{Pl}(0,1,0,29,0,1)_{38661}$$

$$\ell_{963} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{13} \end{array} \right]_{1082990} = \left[\begin{array}{cccc} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 28 \end{array} \right]_{1082990} = \mathbf{Pl}(0,18,0,28,0,1)_{38615}$$

$$\ell_{964} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{27} \end{array} \right]_{1083303} = \left[\begin{array}{cccc} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 11 \end{array} \right]_{1083303} = \mathbf{Pl}(0,28,0,11,0,1)_{37554}$$

$$\ell_{965} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{12} \end{array} \right]_{1082679} = \left[\begin{array}{cccc} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 14 \end{array} \right]_{1082679} = \mathbf{Pl}(0,9,0,14,0,1)_{37724}$$

$$\ell_{966} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^9 \end{array} \right]_{1083153} = \left[\begin{array}{cccc} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 26 \end{array} \right]_{1083153} = \mathbf{Pl}(0,23,0,26,0,1)_{38494}$$

$$\ell_{967} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{26} \end{array} \right]_{1082853} = \left[\begin{array}{cccc} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 23 \end{array} \right]_{1082853} = \mathbf{Pl}(0,14,0,23,0,1)_{38296}$$

$$\ell_{968} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^3 \end{array} \right]_{1082772} = \left[\begin{array}{cccc} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 8 \end{array} \right]_{1082772} = \mathbf{Pl}(0,12,0,8,0,1)_{37349}$$

$$\ell_{969} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{11} \end{array} \right]_{1083101} = \left[\begin{array}{cccc} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 7 \end{array} \right]_{1083101} = \mathbf{Pl}(0,22,0,7,0,1)_{37296}$$

$$\ell_{970} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^2 \\ 0 & 0 & 1 & \eta^{16} \end{array} \right]_{1082527} = \left[\begin{array}{cccc} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 27 \end{array} \right]_{1082527} = \mathbf{Pl}(0,4,0,27,0,1)_{38538}$$

$$\ell_{971} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^8 \end{array} \right]_{1083206} = \left[\begin{array}{cccc} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 13 \end{array} \right]_{1083206} = \mathbf{Pl}(0,25,0,13,0,1)_{37677}$$

$$\ell_{972} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^4 \\ 0 & 0 & 1 & \eta^{18} \end{array}\right]_{1082899} = \left[\begin{array}{cccc} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 3 \end{array}\right]_{1082899} = \mathbf{Pl}(0,16,0,3,0,1)_{37038}$$

$$\ell_{973} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{25} \end{array}\right]_{1082624} = \left[\begin{array}{cccc} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 25 \end{array}\right]_{1082624} = \mathbf{Pl}(0,7,0,25,0,1)_{38415}$$

$$\ell_{974} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{6} \end{array}\right]_{1082873} = \left[\begin{array}{cccc} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 10 \end{array}\right]_{1082873} = \mathbf{Pl}(0,15,0,10,0,1)_{37478}$$

$$\ell_{975} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{2} \end{array}\right]_{1082570} = \left[\begin{array}{cccc} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 4 \end{array}\right]_{1082570} = \mathbf{Pl}(0,6,0,4,0,1)_{37091}$$

$$\ell_{976} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta^{22} \end{array}\right]_{1082818} = \left[\begin{array}{cccc} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 21 \end{array}\right]_{1082818} = \mathbf{Pl}(0,13,0,21,0,1)_{38169}$$

$$\ell_{977} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{10} \end{array}\right]_{1082748} = \left[\begin{array}{cccc} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 17 \end{array}\right]_{1082748} = \mathbf{Pl}(0,11,0,17,0,1)_{37915}$$

$$\ell_{978} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{4} \end{array}\right]_{1083176} = \left[\begin{array}{cccc} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 16 \end{array}\right]_{1083176} = \mathbf{Pl}(0,24,0,16,0,1)_{37865}$$

$$\ell_{979} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{15} \end{array}\right]_{1082465} = \left[\begin{array}{cccc} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 31 \end{array}\right]_{1082465} = \mathbf{Pl}(0,2,0,31,0,1)_{38788}$$

$$\ell_{980} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{28} \end{array}\right]_{1083347} = \left[\begin{array}{cccc} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 22 \end{array}\right]_{1083347} = \mathbf{Pl}(0,29,0,22,0,1)_{38248}$$

$$\ell_{981} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{7} \end{array}\right]_{1083378} = \left[\begin{array}{cccc} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 20 \end{array}\right]_{1083378} = \mathbf{Pl}(0,30,0,20,0,1)_{38123}$$

$$\ell_{982} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{23} \end{array}\right]_{1083241} = \left[\begin{array}{cccc} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 15 \end{array}\right]_{1083241} = \mathbf{Pl}(0,26,0,15,0,1)_{37804}$$

$$\ell_{983} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{3} \\ 0 & 0 & 1 & \eta^{17} \end{array}\right]_{1082651} = \left[\begin{array}{cccc} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 19 \end{array}\right]_{1082651} = \mathbf{Pl}(0,8,0,19,0,1)_{38038}$$

$$\ell_{984} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{5} \\ 0 & 0 & 1 & \eta^{19} \end{array}\right]_{1082539} = \left[\begin{array}{cccc} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 6 \end{array}\right]_{1082539} = \mathbf{Pl}(0,5,0,6,0,1)_{37216}$$

$$\ell_{985} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{24} \end{array}\right]_{1082959} = \left[\begin{array}{cccc} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 30 \end{array}\right]_{1082959} = \mathbf{Pl}(0,17,0,30,0,1)_{38740}$$

$$\ell_{986} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{6} \\ 0 & 0 & 1 & \eta^{20} \end{array}\right]_{1082710} = \left[\begin{array}{cccc} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 12 \end{array}\right]_{1082710} = \mathbf{Pl}(0,10,0,12,0,1)_{37599}$$

$$\ell_{987} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{5} \end{array}\right]_{1083066} = \left[\begin{array}{cccc} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 5 \end{array}\right]_{1083066} = \mathbf{Pl}(0,21,0,5,0,1)_{37169}$$

$$\ell_{988} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{29} \end{array}\right]_{1083400} = \left[\begin{array}{cccc} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 9 \end{array}\right]_{1083400} = \mathbf{Pl}(0,31,0,9,0,1)_{37431}$$

$$\ell_{989} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta \end{array}\right]_{1082469} = \left[\begin{array}{cccc} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 2 \end{array}\right]_{1082469} = \mathbf{Pl}(0,3,0,2,0,1)_{36962}$$

$$\ell_{990} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & 1 \end{array}\right]_{1082996} = \left[\begin{array}{cccc} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 1 \end{array}\right]_{1082996} = \mathbf{Pl}(0,19,0,1,0,1)_{36915}$$

$$\ell_{991} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{7} \\ 0 & 0 & 1 & \eta^{21} \end{array}\right]_{1083052} = \left[\begin{array}{cccc} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 24 \end{array}\right]_{1083052} = \mathbf{Pl}(0,20,0,24,0,1)_{38365}$$

$$\ell_{992} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^{30} \end{array}\right]_{1083277} = \left[\begin{array}{cccc} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 18 \end{array}\right]_{1083277} = \mathbf{Pl}(0,27,0,18,0,1)_{37994}$$

$$\ell_{993} = \left[\begin{array}{cccc} 0 & 1 & \eta^7 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1083060} = \left[\begin{array}{cccc} 0 & 1 & 20 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1083060} = \mathbf{Pl}(0, 20, 0, 1, 0, 0)_{116}$$

$$\ell_{994} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{24} \end{array}\right]_{1082431} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 30 \end{array}\right]_{1082431} = \mathbf{Pl}(0, 1, 0, 30, 0, 1)_{38724}$$

$$\ell_{995} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{23} \end{array}\right]_{1082977} = \left[\begin{array}{cccc} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 15 \end{array}\right]_{1082977} = \mathbf{Pl}(0, 18, 0, 15, 0, 1)_{37796}$$

$$\ell_{996} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{6} \end{array}\right]_{1083302} = \left[\begin{array}{cccc} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 10 \end{array}\right]_{1083302} = \mathbf{Pl}(0, 28, 0, 10, 0, 1)_{37491}$$

$$\ell_{997} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{22} \end{array}\right]_{1082686} = \left[\begin{array}{cccc} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 21 \end{array}\right]_{1082686} = \mathbf{Pl}(0, 9, 0, 21, 0, 1)_{38165}$$

$$\ell_{998} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{19} \end{array}\right]_{1083133} = \left[\begin{array}{cccc} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 6 \end{array}\right]_{1083133} = \mathbf{Pl}(0, 23, 0, 6, 0, 1)_{37234}$$

$$\ell_{999} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{5} \end{array}\right]_{1082835} = \left[\begin{array}{cccc} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 5 \end{array}\right]_{1082835} = \mathbf{Pl}(0, 14, 0, 5, 0, 1)_{37162}$$

$$\ell_{1000} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^{13} \end{array}\right]_{1082792} = \left[\begin{array}{cccc} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 28 \end{array}\right]_{1082792} = \mathbf{Pl}(0, 12, 0, 28, 0, 1)_{38609}$$

$$\ell_{1001} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{21} \end{array}\right]_{1083118} = \left[\begin{array}{cccc} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 24 \end{array}\right]_{1083118} = \mathbf{Pl}(0, 22, 0, 24, 0, 1)_{38367}$$

$$\ell_{1002} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{2} \\ 0 & 0 & 1 & \eta^{26} \end{array}\right]_{1082523} = \left[\begin{array}{cccc} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 23 \end{array}\right]_{1082523} = \mathbf{Pl}(0, 4, 0, 23, 0, 1)_{38286}$$

$$\ell_{1003} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{18} \end{array}\right]_{1083196} = \left[\begin{array}{cccc} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 3 \end{array}\right]_{1083196} = \mathbf{Pl}(0, 25, 0, 3, 0, 1)_{37047}$$

$$\ell_{1004} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{4} \\ 0 & 0 & 1 & \eta^{28} \end{array}\right]_{1082918} = \left[\begin{array}{cccc} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 22 \end{array}\right]_{1082918} = \mathbf{Pl}(0, 16, 0, 22, 0, 1)_{38235}$$

$$\ell_{1005} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{4} \end{array}\right]_{1082615} = \left[\begin{array}{cccc} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 16 \end{array}\right]_{1082615} = \mathbf{Pl}(0, 7, 0, 16, 0, 1)_{37848}$$

$$\ell_{1006} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{16} \end{array}\right]_{1082890} = \left[\begin{array}{cccc} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 27 \end{array}\right]_{1082890} = \mathbf{Pl}(0, 15, 0, 27, 0, 1)_{38549}$$

$$\ell_{1007} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{12} \end{array}\right]_{1082580} = \left[\begin{array}{cccc} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 14 \end{array}\right]_{1082580} = \mathbf{Pl}(0, 6, 0, 14, 0, 1)_{37721}$$

$$\ell_{1008} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta \end{array}\right]_{1082799} = \left[\begin{array}{cccc} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 2 \end{array}\right]_{1082799} = \mathbf{Pl}(0, 13, 0, 2, 0, 1)_{36972}$$

$$\ell_{1009} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{20} \end{array}\right]_{1082743} = \left[\begin{array}{cccc} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 12 \end{array}\right]_{1082743} = \mathbf{Pl}(0, 11, 0, 12, 0, 1)_{37600}$$

$$\ell_{1010} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{14} \end{array}\right]_{1083189} = \left[\begin{array}{cccc} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 29 \end{array}\right]_{1083189} = \mathbf{Pl}(0, 24, 0, 29, 0, 1)_{38684}$$

$$\ell_{1011} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{25} \end{array}\right]_{1082459} = \left[\begin{array}{cccc} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 25 \end{array}\right]_{1082459} = \mathbf{Pl}(0, 2, 0, 25, 0, 1)_{38410}$$

$$\ell_{1012} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{7} \end{array}\right]_{1083345} = \left[\begin{array}{cccc} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 20 \end{array}\right]_{1083345} = \mathbf{Pl}(0, 29, 0, 20, 0, 1)_{38122}$$

$$\ell_{1013} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{17} \end{array}\right]_{1083377} = \left[\begin{array}{cccc} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 19 \end{array}\right]_{1083377} = \mathbf{Pl}(0, 30, 0, 19, 0, 1)_{38060}$$

$$\ell_{1014} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^9 \\ 0 & 0 & 1 & \eta^2 \end{array}\right]_{1083230} = \left[\begin{array}{cccc} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 4 \end{array}\right]_{1083230} = \mathbf{Pl}(0,26,0,4,0,1)_{37111}$$

$$\ell_{1015} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^3 \\ 0 & 0 & 1 & \eta^{27} \end{array}\right]_{1082643} = \left[\begin{array}{cccc} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 11 \end{array}\right]_{1082643} = \mathbf{Pl}(0,8,0,11,0,1)_{37534}$$

$$\ell_{1016} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^5 \\ 0 & 0 & 1 & \eta^{29} \end{array}\right]_{1082542} = \left[\begin{array}{cccc} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 9 \end{array}\right]_{1082542} = \mathbf{Pl}(0,5,0,9,0,1)_{37405}$$

$$\ell_{1017} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^3 \end{array}\right]_{1082937} = \left[\begin{array}{cccc} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 8 \end{array}\right]_{1082937} = \mathbf{Pl}(0,17,0,8,0,1)_{37354}$$

$$\ell_{1018} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^6 \\ 0 & 0 & 1 & \eta^{30} \end{array}\right]_{1082716} = \left[\begin{array}{cccc} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 18 \end{array}\right]_{1082716} = \mathbf{Pl}(0,10,0,18,0,1)_{37977}$$

$$\ell_{1019} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{15} \end{array}\right]_{1083092} = \left[\begin{array}{cccc} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 31 \end{array}\right]_{1083092} = \mathbf{Pl}(0,21,0,31,0,1)_{38807}$$

$$\ell_{1020} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^8 \end{array}\right]_{1083404} = \left[\begin{array}{cccc} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 13 \end{array}\right]_{1083404} = \mathbf{Pl}(0,31,0,13,0,1)_{37683}$$

$$\ell_{1021} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{11} \end{array}\right]_{1082474} = \left[\begin{array}{cccc} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 7 \end{array}\right]_{1082474} = \mathbf{Pl}(0,3,0,7,0,1)_{37277}$$

$$\ell_{1022} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta^{10} \end{array}\right]_{1083012} = \left[\begin{array}{cccc} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 17 \end{array}\right]_{1083012} = \mathbf{Pl}(0,19,0,17,0,1)_{37923}$$

$$\ell_{1023} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^7 \\ 0 & 0 & 1 & 1 \end{array}\right]_{1083029} = \left[\begin{array}{cccc} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 1 \end{array}\right]_{1083029} = \mathbf{Pl}(0,20,0,1,0,1)_{36916}$$

$$\ell_{1024} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & \eta^9 \end{array}\right]_{1083285} = \left[\begin{array}{cccc} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 26 \end{array}\right]_{1083285} = \mathbf{Pl}(0,27,0,26,0,1)_{38498}$$

$$\ell_{1025} = \left[\begin{array}{cccc} 0 & 1 & \eta^{16} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1083291} = \left[\begin{array}{cccc} 0 & 1 & 27 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1083291} = \mathbf{Pl}(0,27,0,1,0,0)_{123}$$

$$\ell_{1026} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \eta^{15} \end{array}\right]_{1082432} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 31 \end{array}\right]_{1082432} = \mathbf{Pl}(0,1,0,31,0,1)_{38787}$$

$$\ell_{1027} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{30} \\ 0 & 0 & 1 & \eta^{14} \end{array}\right]_{1082991} = \left[\begin{array}{cccc} 0 & 1 & 0 & 18 \\ 0 & 0 & 1 & 29 \end{array}\right]_{1082991} = \mathbf{Pl}(0,18,0,29,0,1)_{38678}$$

$$\ell_{1028} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{13} \\ 0 & 0 & 1 & \eta^{28} \end{array}\right]_{1083314} = \left[\begin{array}{cccc} 0 & 1 & 0 & 28 \\ 0 & 0 & 1 & 22 \end{array}\right]_{1083314} = \mathbf{Pl}(0,28,0,22,0,1)_{38247}$$

$$\ell_{1029} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{29} \\ 0 & 0 & 1 & \eta^{13} \end{array}\right]_{1082693} = \left[\begin{array}{cccc} 0 & 1 & 0 & 9 \\ 0 & 0 & 1 & 28 \end{array}\right]_{1082693} = \mathbf{Pl}(0,9,0,28,0,1)_{38606}$$

$$\ell_{1030} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{26} \\ 0 & 0 & 1 & \eta^{10} \end{array}\right]_{1083144} = \left[\begin{array}{cccc} 0 & 1 & 0 & 23 \\ 0 & 0 & 1 & 17 \end{array}\right]_{1083144} = \mathbf{Pl}(0,23,0,17,0,1)_{37927}$$

$$\ell_{1031} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{12} \\ 0 & 0 & 1 & \eta^{27} \end{array}\right]_{1082841} = \left[\begin{array}{cccc} 0 & 1 & 0 & 14 \\ 0 & 0 & 1 & 11 \end{array}\right]_{1082841} = \mathbf{Pl}(0,14,0,11,0,1)_{37540}$$

$$\ell_{1032} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{20} \\ 0 & 0 & 1 & \eta^4 \end{array}\right]_{1082780} = \left[\begin{array}{cccc} 0 & 1 & 0 & 12 \\ 0 & 0 & 1 & 16 \end{array}\right]_{1082780} = \mathbf{Pl}(0,12,0,16,0,1)_{37853}$$

$$\ell_{1033} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{28} \\ 0 & 0 & 1 & \eta^{12} \end{array}\right]_{1083108} = \left[\begin{array}{cccc} 0 & 1 & 0 & 22 \\ 0 & 0 & 1 & 14 \end{array}\right]_{1083108} = \mathbf{Pl}(0,22,0,14,0,1)_{37737}$$

$$\ell_{1034} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^2 \\ 0 & 0 & 1 & \eta^{17} \end{array}\right]_{1082519} = \left[\begin{array}{cccc} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 19 \end{array}\right]_{1082519} = \mathbf{Pl}(0,4,0,19,0,1)_{38034}$$

$$\ell_{1035} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{25} \\ 0 & 0 & 1 & \eta^{9} \end{array}\right]_{1083219} = \left[\begin{array}{cccc} 0 & 1 & 0 & 25 \\ 0 & 0 & 1 & 26 \end{array}\right]_{1083219} = \mathbf{Pl}(0, 25, 0, 26, 0, 1)_{38496}$$

$$\ell_{1036} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{4} \\ 0 & 0 & 1 & \eta^{19} \end{array}\right]_{1082902} = \left[\begin{array}{cccc} 0 & 1 & 0 & 16 \\ 0 & 0 & 1 & 6 \end{array}\right]_{1082902} = \mathbf{Pl}(0, 16, 0, 6, 0, 1)_{37227}$$

$$\ell_{1037} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{11} \\ 0 & 0 & 1 & \eta^{26} \end{array}\right]_{1082622} = \left[\begin{array}{cccc} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 23 \end{array}\right]_{1082622} = \mathbf{Pl}(0, 7, 0, 23, 0, 1)_{38289}$$

$$\ell_{1038} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{23} \\ 0 & 0 & 1 & \eta^{7} \end{array}\right]_{1082883} = \left[\begin{array}{cccc} 0 & 1 & 0 & 15 \\ 0 & 0 & 1 & 20 \end{array}\right]_{1082883} = \mathbf{Pl}(0, 15, 0, 20, 0, 1)_{38108}$$

$$\ell_{1039} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{19} \\ 0 & 0 & 1 & \eta^{3} \end{array}\right]_{1082574} = \left[\begin{array}{cccc} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 8 \end{array}\right]_{1082574} = \mathbf{Pl}(0, 6, 0, 8, 0, 1)_{37343}$$

$$\ell_{1040} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{8} \\ 0 & 0 & 1 & \eta^{23} \end{array}\right]_{1082812} = \left[\begin{array}{cccc} 0 & 1 & 0 & 13 \\ 0 & 0 & 1 & 15 \end{array}\right]_{1082812} = \mathbf{Pl}(0, 13, 0, 15, 0, 1)_{37791}$$

$$\ell_{1041} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{27} \\ 0 & 0 & 1 & \eta^{11} \end{array}\right]_{1082738} = \left[\begin{array}{cccc} 0 & 1 & 0 & 11 \\ 0 & 0 & 1 & 7 \end{array}\right]_{1082738} = \mathbf{Pl}(0, 11, 0, 7, 0, 1)_{37285}$$

$$\ell_{1042} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{21} \\ 0 & 0 & 1 & \eta^{5} \end{array}\right]_{1083165} = \left[\begin{array}{cccc} 0 & 1 & 0 & 24 \\ 0 & 0 & 1 & 5 \end{array}\right]_{1083165} = \mathbf{Pl}(0, 24, 0, 5, 0, 1)_{37172}$$

$$\ell_{1043} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta \\ 0 & 0 & 1 & \eta^{16} \end{array}\right]_{1082461} = \left[\begin{array}{cccc} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 27 \end{array}\right]_{1082461} = \mathbf{Pl}(0, 2, 0, 27, 0, 1)_{38536}$$

$$\ell_{1044} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{14} \\ 0 & 0 & 1 & \eta^{29} \end{array}\right]_{1083334} = \left[\begin{array}{cccc} 0 & 1 & 0 & 29 \\ 0 & 0 & 1 & 9 \end{array}\right]_{1083334} = \mathbf{Pl}(0, 29, 0, 9, 0, 1)_{37429}$$

$$\ell_{1045} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{24} \\ 0 & 0 & 1 & \eta^{8} \end{array}\right]_{1083371} = \left[\begin{array}{cccc} 0 & 1 & 0 & 30 \\ 0 & 0 & 1 & 13 \end{array}\right]_{1083371} = \mathbf{Pl}(0, 30, 0, 13, 0, 1)_{37682}$$

$$\ell_{1046} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{9} \\ 0 & 0 & 1 & \eta^{24} \end{array}\right]_{1083256} = \left[\begin{array}{cccc} 0 & 1 & 0 & 26 \\ 0 & 0 & 1 & 30 \end{array}\right]_{1083256} = \mathbf{Pl}(0, 26, 0, 30, 0, 1)_{38749}$$

$$\ell_{1047} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{3} \\ 0 & 0 & 1 & \eta^{18} \end{array}\right]_{1082635} = \left[\begin{array}{cccc} 0 & 1 & 0 & 8 \\ 0 & 0 & 1 & 3 \end{array}\right]_{1082635} = \mathbf{Pl}(0, 8, 0, 3, 0, 1)_{37030}$$

$$\ell_{1048} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{5} \\ 0 & 0 & 1 & \eta^{20} \end{array}\right]_{1082545} = \left[\begin{array}{cccc} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 12 \end{array}\right]_{1082545} = \mathbf{Pl}(0, 5, 0, 12, 0, 1)_{37594}$$

$$\ell_{1049} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{10} \\ 0 & 0 & 1 & \eta^{25} \end{array}\right]_{1082954} = \left[\begin{array}{cccc} 0 & 1 & 0 & 17 \\ 0 & 0 & 1 & 25 \end{array}\right]_{1082954} = \mathbf{Pl}(0, 17, 0, 25, 0, 1)_{38425}$$

$$\ell_{1050} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{6} \\ 0 & 0 & 1 & \eta^{21} \end{array}\right]_{1082722} = \left[\begin{array}{cccc} 0 & 1 & 0 & 10 \\ 0 & 0 & 1 & 24 \end{array}\right]_{1082722} = \mathbf{Pl}(0, 10, 0, 24, 0, 1)_{38355}$$

$$\ell_{1051} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{22} \\ 0 & 0 & 1 & \eta^{6} \end{array}\right]_{1083071} = \left[\begin{array}{cccc} 0 & 1 & 0 & 21 \\ 0 & 0 & 1 & 10 \end{array}\right]_{1083071} = \mathbf{Pl}(0, 21, 0, 10, 0, 1)_{37484}$$

$$\ell_{1052} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{15} \\ 0 & 0 & 1 & \eta^{30} \end{array}\right]_{1083409} = \left[\begin{array}{cccc} 0 & 1 & 0 & 31 \\ 0 & 0 & 1 & 18 \end{array}\right]_{1083409} = \mathbf{Pl}(0, 31, 0, 18, 0, 1)_{37998}$$

$$\ell_{1053} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{18} \\ 0 & 0 & 1 & \eta^{2} \end{array}\right]_{1082471} = \left[\begin{array}{cccc} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 4 \end{array}\right]_{1082471} = \mathbf{Pl}(0, 3, 0, 4, 0, 1)_{37088}$$

$$\ell_{1054} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{17} \\ 0 & 0 & 1 & \eta \end{array}\right]_{1082997} = \left[\begin{array}{cccc} 0 & 1 & 0 & 19 \\ 0 & 0 & 1 & 2 \end{array}\right]_{1082997} = \mathbf{Pl}(0, 19, 0, 2, 0, 1)_{36978}$$

$$\ell_{1055} = \left[\begin{array}{cccc} 0 & 1 & 0 & \eta^{7} \\ 0 & 0 & 1 & \eta^{22} \end{array}\right]_{1083049} = \left[\begin{array}{cccc} 0 & 1 & 0 & 20 \\ 0 & 0 & 1 & 21 \end{array}\right]_{1083049} = \mathbf{Pl}(0, 20, 0, 21, 0, 1)_{38176}$$

$$\ell_{1056} = \begin{bmatrix} 0 & 1 & 0 & \eta^{16} \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1083260} = \begin{bmatrix} 0 & 1 & 0 & 27 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1083260} = \mathbf{Pl}(0, 27, 0, 1, 0, 1)_{36923}$$

Rank of lines: (1082368, 1082400, 1082369, 1082386, 1082396, 1082377, 1082391, 1082382, 1082380, 1082390, 1082372, 1082393, 1082384, 1082375, 1082383, 1082374, 1082381, 1082379, 1082392, 1082370, 1082397, 1082398, 1082394, 1082376, 1082373, 1082385, 1082378, 1082389, 1082399, 1082371, 1082387, 1082388, 1082395, 1083424, 1082401, 1082962, 1083292, 1082665, 1083127, 1082830, 1082764, 1083094, 1082500, 1083193, 1082896, 1082599, 1082863, 1082566, 1082797, 1082731, ...1082997, 1083049, 1083260)

Rank of points on Klein quadric: (34849, 65, 36865, 37936, 38566, 37369, 38251, 37684, 37558, 38188, 37054, 38377, 37810, 37243, 37747, 37180, 37621, 37495, 38314, 36928, 38629, 38692, 38440, 37306, 37117, 37873, 37432, 38125, 38755, 36991, 37999, 38062, 38503, 1, 34881, 34898, 34908, 34889, 34903, 34894, 34892, 34902, 34884, 34905, 34896, 34887, 34895, 34886, 34893, 34891, ...36978, 38176, 36923)

Eckardt Points

The surface has 0 Eckardt points:

Double Points

The surface has 0 Double points:
The double points on the surface are:

Single Points

The surface has 0 single points:
The single points on the surface are:

The single points on the surface are:

Points on surface but on no line

The surface has 0 points not on any line:
The points on the surface but not on lines are:

Line Intersection Graph

Too many lines to print.
Neighbor sets in the line intersection graph:
Too many lines to print.
The surface has 1057 points:
Too many to print.