Rank-265 over GF(32)

January 15, 2021

The equation

The equation of the surface is :

$$X_0^3 + X_2^3 + X_3^3 + X_0^2 X_1 + X_0^2 X_2 + X_0^2 X_3 + X_0 X_1^2 = 0$$

(1, 0, 1, 1, 1, 1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0)
The point rank of the equation over GF(32) is -2078210001

General information

Number of lines	1
Number of points	993
Number of singular points	0
Number of Eckardt points	0
Number of double points	0
Number of single points	33
Number of points off lines	960
Number of Hesse planes	0
Number of axes	0
Type of points on lines	33
Type of lines on points	$1^{33}, 0^{960}$

Singular Points

The surface has 0 singular points:

The 1 Lines

The lines and their Pluecker coordinates are:

$$\ell_0 = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1082369} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1082369} = \mathbf{Pl}(0,0,0,1,0,1)_{36865}$$

Rank of lines: (1082369)
Rank of points on Klein quadric: (36865)

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 33 single points:
The single points on the surface are:

$0: P_1 = (0,1,0,0)$ lies on line ℓ_0
$1: P_{2082} = (0,0,1,1)$ lies on line ℓ_0
$2: P_{2114} = (0,1,1,1)$ lies on line ℓ_0
$3: P_{2145} = (0,2,1,1)$ lies on line ℓ_0
$4: P_{2177} = (0,3,1,1)$ lies on line ℓ_0
$5: P_{2209} = (0,4,1,1)$ lies on line ℓ_0
$6: P_{2241} = (0,5,1,1)$ lies on line ℓ_0
$7: P_{2273} = (0,6,1,1)$ lies on line ℓ_0
$8: P_{2305} = (0,7,1,1)$ lies on line ℓ_0
$9: P_{2337} = (0,8,1,1)$ lies on line ℓ_0
$10: P_{2369} = (0,9,1,1)$ lies on line ℓ_0
$11: P_{2401} = (0,10,1,1)$ lies on line ℓ_0
$12: P_{2433} = (0,11,1,1)$ lies on line ℓ_0
$13: P_{2465} = (0,12,1,1)$ lies on line ℓ_0
$14: P_{2497} = (0,13,1,1)$ lies on line ℓ_0
$15: P_{2529} = (0,14,1,1)$ lies on line ℓ_0
$16: P_{2561} = (0,15,1,1)$ lies on line ℓ_0

$17: P_{2593} = (0,16,1,1)$ lies on line ℓ_0
$18: P_{2625} = (0,17,1,1)$ lies on line ℓ_0
$19: P_{2657} = (0,18,1,1)$ lies on line ℓ_0
$20: P_{2689} = (0,19,1,1)$ lies on line ℓ_0
$21: P_{2721} = (0,20,1,1)$ lies on line ℓ_0
$22: P_{2753} = (0,21,1,1)$ lies on line ℓ_0
$23: P_{2785} = (0,22,1,1)$ lies on line ℓ_0
$24: P_{2817} = (0,23,1,1)$ lies on line ℓ_0
$25: P_{2849} = (0,24,1,1)$ lies on line ℓ_0
$26: P_{2881} = (0,25,1,1)$ lies on line ℓ_0
$27: P_{2913} = (0,26,1,1)$ lies on line ℓ_0
$28: P_{2945} = (0,27,1,1)$ lies on line ℓ_0
$29: P_{2977} = (0,28,1,1)$ lies on line ℓ_0
$30: P_{3009} = (0,29,1,1)$ lies on line ℓ_0
$31: P_{3041} = (0,30,1,1)$ lies on line ℓ_0
$32: P_{3073} = (0,31,1,1)$ lies on line ℓ_0

The single points on the surface are:

Points on surface but on no line

The surface has 960 points not on any line:
The points on the surface but not on lines are:

$0: P_{107} = (8,2,1,0)$
$1: P_{143} = (12,3,1,0)$
$2: P_{173} = (10,4,1,0)$
$3: P_{221} = (26,5,1,0)$
$4: P_{251} = (24,6,1,0)$
$5: P_{274} = (15,7,1,0)$
$6: P_{306} = (15,8,1,0)$
$7: P_{310} = (19,8,1,0)$
$8: P_{312} = (21,8,1,0)$
$9: P_{328} = (5,9,1,0)$

$10: P_{363} = (8,10,1,0)$
$11: P_{383} = (28,10,1,0)$
$12: P_{386} = (31,10,1,0)$
$13: P_{404} = (17,11,1,0)$
$14: P_{424} = (5,12,1,0)$
$15: P_{481} = (30,13,1,0)$
$16: P_{493} = (10,14,1,0)$
$17: P_{501} = (18,14,1,0)$
$18: P_{506} = (23,14,1,0)$
$19: P_{527} = (12,15,1,0)$

$20: P_{561} = (14, 16, 1, 0)$

$21: P_{582} = (3, 17, 1, 0)$

$22: P_{614} = (3, 18, 1, 0)$

$23: P_{650} = (7, 19, 1, 0)$

$24: P_{654} = (11, 19, 1, 0)$

$25: P_{673} = (30, 19, 1, 0)$

$26: P_{682} = (7, 20, 1, 0)$

$27: P_{738} = (31, 21, 1, 0)$

$28: P_{767} = (28, 22, 1, 0)$

$29: P_{780} = (9, 23, 1, 0)$

$30: P_{814} = (11, 24, 1, 0)$

$31: P_{858} = (23, 25, 1, 0)$

$32: P_{884} = (17, 26, 1, 0)$

$33: P_{918} = (19, 27, 1, 0)$

$34: P_{949} = (18, 28, 1, 0)$

$35: P_{984} = (21, 29, 1, 0)$

$36: P_{1004} = (9, 30, 1, 0)$

$37: P_{1009} = (14, 30, 1, 0)$

$38: P_{1019} = (24, 30, 1, 0)$

$39: P_{1053} = (26, 31, 1, 0)$

$40: P_{1130} = (8, 2, 0, 1)$

$41: P_{1166} = (12, 3, 0, 1)$

$42: P_{1196} = (10, 4, 0, 1)$

$43: P_{1244} = (26, 5, 0, 1)$

$44: P_{1274} = (24, 6, 0, 1)$

$45: P_{1297} = (15, 7, 0, 1)$

$46: P_{1329} = (15, 8, 0, 1)$

$47: P_{1333} = (19, 8, 0, 1)$

$48: P_{1335} = (21, 8, 0, 1)$

$49: P_{1351} = (5, 9, 0, 1)$

$50: P_{1386} = (8, 10, 0, 1)$

$51: P_{1406} = (28, 10, 0, 1)$

$52: P_{1409} = (31, 10, 0, 1)$

$53: P_{1427} = (17, 11, 0, 1)$

$54: P_{1447} = (5, 12, 0, 1)$

$55: P_{1504} = (30, 13, 0, 1)$

$56: P_{1516} = (10, 14, 0, 1)$

$57: P_{1524} = (18, 14, 0, 1)$

$58: P_{1529} = (23, 14, 0, 1)$

$59: P_{1550} = (12, 15, 0, 1)$

$60: P_{1584} = (14, 16, 0, 1)$

$61: P_{1605} = (3, 17, 0, 1)$

$62: P_{1637} = (3, 18, 0, 1)$

$63: P_{1673} = (7, 19, 0, 1)$

$64: P_{1677} = (11, 19, 0, 1)$

$65: P_{1696} = (30, 19, 0, 1)$

$66: P_{1705} = (7, 20, 0, 1)$

$67: P_{1761} = (31, 21, 0, 1)$

$68: P_{1790} = (28, 22, 0, 1)$

$69: P_{1803} = (9, 23, 0, 1)$

$70: P_{1837} = (11, 24, 0, 1)$

$71: P_{1881} = (23, 25, 0, 1)$

$72: P_{1907} = (17, 26, 0, 1)$

$73: P_{1941} = (19, 27, 0, 1)$

$74: P_{1972} = (18, 28, 0, 1)$

$75: P_{2007} = (21, 29, 0, 1)$

$76: P_{2027} = (9, 30, 0, 1)$

$77: P_{2032} = (14, 30, 0, 1)$

$78: P_{2042} = (24, 30, 0, 1)$

$79: P_{2076} = (26, 31, 0, 1)$

$80: P_{3110} = (5, 0, 2, 1)$

$81: P_{3162} = (25, 1, 2, 1)$

$82: P_{3185} = (16, 2, 2, 1)$

$83: P_{3207} = (6, 3, 2, 1)$

$84: P_{3242} = (9, 4, 2, 1)$

$85: P_{3252} = (19, 4, 2, 1)$

$86: P_{3262} = (29, 4, 2, 1)$

$87: P_{3270} = (5, 5, 2, 1)$

$88: P_{3271} = (6, 5, 2, 1)$

$89: P_{3341} = (12, 7, 2, 1)$

$90: P_{3387} = (26, 8, 2, 1)$

$91: P_{3420} = (27, 9, 2, 1)$

$92: P_{3448} = (23, 10, 2, 1)$

$93: P_{3469} = (12, 11, 2, 1)$

$94: P_{3509} = (20, 12, 2, 1)$

$95: P_{3530} = (9, 13, 2, 1)$

$96: P_{3575} = (22, 14, 2, 1)$

$97: P_{3616} = (31, 15, 2, 1)$

$98: P_{3648} = (31, 16, 2, 1)$

$99: P_{3697} = (16, 18, 2, 1)$

$100: P_{3707} = (26, 18, 2, 1)$

$101: P_{3708} = (27, 18, 2, 1)$

$102: P_{3785} = (8, 21, 2, 1)$

$103: P_{3860} = (19, 23, 2, 1)$

$104: P_{3893} = (20, 24, 2, 1)$

$105: P_{3895} = (22, 24, 2, 1)$

$106: P_{3898} = (25, 24, 2, 1)$

$107: P_{3934} = (29, 25, 2, 1)$

$108: P_{4002} = (1, 28, 2, 1)$

$109: P_{4034} = (1, 29, 2, 1)$

$110: P_{4041} = (8, 29, 2, 1)$

$111: P_{4056} = (23, 29, 2, 1)$

$112: P_{4137} = (8, 0, 3, 1)$

$113: P_{4152} = (23, 0, 3, 1)$

$114: P_{4158} = (29, 0, 3, 1)$

$115: P_{4173} = (12, 1, 3, 1)$

$116: P_{4181} = (20, 1, 3, 1)$

$117: P_{4188} = (27, 1, 3, 1)$

$118: P_{4203} = (10, 2, 3, 1)$

$119: P_{4214} = (21, 2, 3, 1)$

$120: P_{4224} = (31, 2, 3, 1)$

$121: P_{4229} = (4, 3, 3, 1)$

$122: P_{4343} = (22, 6, 3, 1)$

$123: P_{4357} = (4, 7, 3, 1)$

$124: P_{4393} = (8, 8, 3, 1)$

$125: P_{4395} = (10, 8, 3, 1)$

$126: P_{4557} = (12, 13, 3, 1)$

$127: P_{4593} = (16, 14, 3, 1)$

$128: P_{4663} = (22, 16, 3, 1)$
$129: P_{4676} = (3, 17, 3, 1)$
$130: P_{4708} = (3, 18, 3, 1)$
$131: P_{4750} = (13, 19, 3, 1)$
$132: P_{4821} = (20, 21, 3, 1)$
$133: P_{4847} = (14, 22, 3, 1)$
$134: P_{4886} = (21, 23, 3, 1)$
$135: P_{4888} = (23, 23, 3, 1)$
$136: P_{4911} = (14, 24, 3, 1)$
$137: P_{4988} = (27, 26, 3, 1)$
$138: P_{5086} = (29, 29, 3, 1)$
$139: P_{5088} = (31, 29, 3, 1)$
$140: P_{5090} = (1, 30, 3, 1)$
$141: P_{5102} = (13, 30, 3, 1)$
$142: P_{5105} = (16, 30, 3, 1)$
$143: P_{5122} = (1, 31, 3, 1)$
$144: P_{5170} = (17, 0, 4, 1)$
$145: P_{5191} = (6, 1, 4, 1)$
$146: P_{5294} = (13, 4, 4, 1)$
$147: P_{5333} = (20, 5, 4, 1)$
$148: P_{5367} = (22, 6, 4, 1)$
$149: P_{5383} = (6, 7, 4, 1)$
$150: P_{5402} = (25, 7, 4, 1)$
$151: P_{5406} = (29, 7, 4, 1)$
$152: P_{5443} = (2, 9, 4, 1)$
$153: P_{5444} = (3, 9, 4, 1)$
$154: P_{5454} = (13, 9, 4, 1)$
$155: P_{5476} = (3, 10, 4, 1)$
$156: P_{5507} = (2, 11, 4, 1)$
$157: P_{5587} = (18, 13, 4, 1)$
$158: P_{5625} = (24, 14, 4, 1)$
$159: P_{5659} = (26, 15, 4, 1)$
$160: P_{5673} = (8, 16, 4, 1)$
$161: P_{5676} = (11, 16, 4, 1)$
$162: P_{5687} = (22, 16, 4, 1)$
$163: P_{5714} = (17, 17, 4, 1)$
$164: P_{5717} = (20, 17, 4, 1)$
$165: P_{5851} = (26, 21, 4, 1)$
$166: P_{5858} = (1, 22, 4, 1)$
$167: P_{5867} = (10, 22, 4, 1)$
$168: P_{5881} = (24, 22, 4, 1)$
$169: P_{5890} = (1, 23, 4, 1)$
$170: P_{5929} = (8, 24, 4, 1)$
$171: P_{6014} = (29, 26, 4, 1)$
$172: P_{6028} = (11, 27, 4, 1)$
$173: P_{6059} = (10, 28, 4, 1)$
$174: P_{6138} = (25, 30, 4, 1)$
$175: P_{6163} = (18, 31, 4, 1)$
$176: P_{6187} = (10, 0, 5, 1)$
$177: P_{6199} = (22, 0, 5, 1)$
$178: P_{6201} = (24, 0, 5, 1)$
$179: P_{6211} = (2, 1, 5, 1)$
$180: P_{6235} = (26, 1, 5, 1)$
$181: P_{6238} = (29, 1, 5, 1)$

$182: P_{6275} = (2, 3, 5, 1)$
$183: P_{6319} = (14, 4, 5, 1)$
$184: P_{6323} = (18, 4, 5, 1)$
$185: P_{6333} = (28, 4, 5, 1)$
$186: P_{6353} = (16, 5, 5, 1)$
$187: P_{6431} = (30, 7, 5, 1)$
$188: P_{6460} = (27, 8, 5, 1)$
$189: P_{6470} = (5, 9, 5, 1)$
$190: P_{6507} = (10, 10, 5, 1)$
$191: P_{6511} = (14, 10, 5, 1)$
$192: P_{6566} = (5, 12, 5, 1)$
$193: P_{6618} = (25, 13, 5, 1)$
$194: P_{6754} = (1, 18, 5, 1)$
$195: P_{6786} = (1, 19, 5, 1)$
$196: P_{6798} = (13, 19, 5, 1)$
$197: P_{6812} = (27, 19, 5, 1)$
$198: P_{6842} = (25, 20, 5, 1)$
$199: P_{6865} = (16, 21, 5, 1)$
$200: P_{6899} = (18, 22, 5, 1)$
$201: P_{6903} = (22, 22, 5, 1)$
$202: P_{6969} = (24, 24, 5, 1)$
$203: P_{6973} = (28, 24, 5, 1)$
$204: P_{7007} = (30, 25, 5, 1)$
$205: P_{7067} = (26, 27, 5, 1)$
$206: P_{7102} = (29, 28, 5, 1)$
$207: P_{7150} = (13, 30, 5, 1)$
$208: P_{7256} = (23, 1, 6, 1)$
$209: P_{7289} = (24, 2, 6, 1)$
$210: P_{7322} = (25, 3, 6, 1)$
$211: P_{7340} = (11, 4, 6, 1)$
$212: P_{7383} = (22, 5, 6, 1)$
$213: P_{7421} = (28, 6, 6, 1)$
$214: P_{7614} = (29, 12, 6, 1)$
$215: P_{7619} = (2, 13, 6, 1)$
$216: P_{7650} = (1, 14, 6, 1)$
$217: P_{7682} = (1, 15, 6, 1)$
$218: P_{7683} = (2, 15, 6, 1)$
$219: P_{7692} = (11, 15, 6, 1)$
$220: P_{7774} = (29, 17, 6, 1)$
$221: P_{7822} = (13, 19, 6, 1)$
$222: P_{7824} = (15, 19, 6, 1)$
$223: P_{7831} = (22, 19, 6, 1)$
$224: P_{7853} = (12, 20, 6, 1)$
$225: P_{7928} = (23, 22, 6, 1)$
$226: P_{7981} = (12, 24, 6, 1)$
$227: P_{8057} = (24, 26, 6, 1)$
$228: P_{8058} = (25, 26, 6, 1)$
$229: P_{8061} = (28, 26, 6, 1)$
$230: P_{8112} = (15, 28, 6, 1)$
$231: P_{8174} = (13, 30, 6, 1)$
$232: P_{8229} = (4, 0, 7, 1)$
$233: P_{8241} = (16, 0, 7, 1)$
$234: P_{8243} = (18, 0, 7, 1)$
$235: P_{8268} = (11, 1, 7, 1)$

$236: P_{8294} = (5, 2, 7, 1)$
$237: P_{8350} = (29, 3, 7, 1)$
$238: P_{8355} = (2, 4, 7, 1)$
$239: P_{8357} = (4, 4, 7, 1)$
$240: P_{8419} = (2, 6, 7, 1)$
$241: P_{8437} = (20, 6, 7, 1)$
$242: P_{8439} = (22, 6, 7, 1)$
$243: P_{8454} = (5, 7, 7, 1)$
$244: P_{8476} = (27, 7, 7, 1)$
$245: P_{8480} = (31, 7, 7, 1)$
$246: P_{8482} = (1, 8, 7, 1)$
$247: P_{8514} = (1, 9, 7, 1)$
$248: P_{8556} = (11, 10, 7, 1)$
$249: P_{8644} = (3, 13, 7, 1)$
$250: P_{8676} = (3, 14, 7, 1)$
$251: P_{8733} = (28, 15, 7, 1)$
$252: P_{8753} = (16, 16, 7, 1)$
$253: P_{8759} = (22, 16, 7, 1)$
$254: P_{8819} = (18, 18, 7, 1)$
$255: P_{8821} = (20, 18, 7, 1)$
$256: P_{8840} = (7, 19, 7, 1)$
$257: P_{8847} = (14, 19, 7, 1)$
$258: P_{8861} = (28, 19, 7, 1)$
$259: P_{8872} = (7, 20, 7, 1)$
$260: P_{9024} = (31, 24, 7, 1)$
$261: P_{9148} = (27, 28, 7, 1)$
$262: P_{9167} = (14, 29, 7, 1)$
$263: P_{9214} = (29, 30, 7, 1)$
$264: P_{9310} = (29, 1, 8, 1)$
$265: P_{9317} = (4, 2, 8, 1)$
$266: P_{9320} = (7, 2, 8, 1)$
$267: P_{9321} = (8, 2, 8, 1)$
$268: P_{9416} = (7, 5, 8, 1)$
$269: P_{9445} = (4, 6, 8, 1)$
$270: P_{9500} = (27, 7, 8, 1)$
$271: P_{9530} = (25, 8, 8, 1)$
$272: P_{9577} = (8, 10, 8, 1)$
$273: P_{9686} = (21, 13, 8, 1)$
$274: P_{9714} = (17, 14, 8, 1)$
$275: P_{9748} = (19, 15, 8, 1)$
$276: P_{9818} = (25, 17, 8, 1)$
$277: P_{9966} = (13, 22, 8, 1)$
$278: P_{10038} = (21, 24, 8, 1)$
$279: P_{10086} = (5, 26, 8, 1)$
$280: P_{10126} = (13, 27, 8, 1)$
$281: P_{10164} = (19, 28, 8, 1)$
$282: P_{10172} = (27, 28, 8, 1)$
$283: P_{10174} = (29, 28, 8, 1)$
$284: P_{10179} = (2, 29, 8, 1)$
$285: P_{10243} = (2, 31, 8, 1)$
$286: P_{10246} = (5, 31, 8, 1)$
$287: P_{10258} = (17, 31, 8, 1)$
$288: P_{10286} = (13, 0, 9, 1)$
$289: P_{10315} = (10, 1, 9, 1)$

$290: P_{10403} = (2, 4, 9, 1)$
$291: P_{10424} = (23, 4, 9, 1)$
$292: P_{10426} = (25, 4, 9, 1)$
$293: P_{10467} = (2, 6, 9, 1)$
$294: P_{10513} = (16, 7, 9, 1)$
$295: P_{10534} = (5, 8, 9, 1)$
$296: P_{10580} = (19, 9, 9, 1)$
$297: P_{10615} = (22, 10, 9, 1)$
$298: P_{10635} = (10, 11, 9, 1)$
$299: P_{10643} = (18, 11, 9, 1)$
$300: P_{10652} = (27, 11, 9, 1)$
$301: P_{10677} = (20, 12, 9, 1)$
$302: P_{10694} = (5, 13, 9, 1)$
$303: P_{10702} = (13, 13, 9, 1)$
$304: P_{10812} = (27, 16, 9, 1)$
$305: P_{10823} = (6, 17, 9, 1)$
$306: P_{10904} = (23, 19, 9, 1)$
$307: P_{10927} = (14, 20, 9, 1)$
$308: P_{10960} = (15, 21, 9, 1)$
$309: P_{11015} = (6, 23, 9, 1)$
$310: P_{11018} = (9, 23, 9, 1)$
$311: P_{11025} = (16, 23, 9, 1)$
$312: P_{11061} = (20, 24, 9, 1)$
$313: P_{11091} = (18, 25, 9, 1)$
$314: P_{11119} = (14, 26, 9, 1)$
$315: P_{11120} = (15, 26, 9, 1)$
$316: P_{11124} = (19, 26, 9, 1)$
$317: P_{11191} = (22, 28, 9, 1)$
$318: P_{11226} = (25, 29, 9, 1)$
$319: P_{11242} = (9, 30, 9, 1)$
$320: P_{11351} = (22, 1, 10, 1)$
$321: P_{11388} = (27, 2, 10, 1)$
$322: P_{11410} = (17, 3, 10, 1)$
$323: P_{11435} = (10, 4, 10, 1)$
$324: P_{11441} = (16, 4, 10, 1)$
$325: P_{11446} = (21, 4, 10, 1)$
$326: P_{11549} = (28, 7, 10, 1)$
$327: P_{11623} = (6, 10, 10, 1)$
$328: P_{11687} = (6, 12, 10, 1)$
$329: P_{11755} = (10, 14, 10, 1)$
$330: P_{11862} = (21, 17, 10, 1)$
$331: P_{11877} = (4, 18, 10, 1)$
$332: P_{11885} = (12, 18, 10, 1)$
$333: P_{11890} = (17, 18, 10, 1)$
$334: P_{11953} = (16, 20, 10, 1)$
$335: P_{11971} = (2, 21, 10, 1)$
$336: P_{12005} = (4, 22, 10, 1)$
$337: P_{12035} = (2, 23, 10, 1)$
$338: P_{12041} = (8, 23, 10, 1)$
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$743: P_{26242} = (1, 19, 24, 1)$

$744: P_{26283} = (10, 20, 24, 1)$

$745: P_{26318} = (13, 21, 24, 1)$

$746: P_{26384} = (15, 23, 24, 1)$

$747: P_{26404} = (3, 24, 24, 1)$

$748: P_{26414} = (13, 24, 24, 1)$

$749: P_{26416} = (15, 24, 24, 1)$

$750: P_{26439} = (6, 25, 24, 1)$

$751: P_{26460} = (27, 25, 24, 1)$

$752: P_{26462} = (29, 25, 24, 1)$

$753: P_{26485} = (20, 26, 24, 1)$

$754: P_{26500} = (3, 27, 24, 1)$

$755: P_{26603} = (10, 30, 24, 1)$

$756: P_{26614} = (21, 30, 24, 1)$

$757: P_{26617} = (24, 30, 24, 1)$

$758: P_{26631} = (6, 31, 24, 1)$

$759: P_{26656} = (31, 31, 24, 1)$

$760: P_{26717} = (28, 1, 25, 1)$

$761: P_{26730} = (9, 2, 25, 1)$

$762: P_{26782} = (29, 3, 25, 1)$

$763: P_{26837} = (20, 5, 25, 1)$

$764: P_{26866} = (17, 6, 25, 1)$

$765: P_{26978} = (1, 10, 25, 1)$

$766: P_{27010} = (1, 11, 25, 1)$

$767: P_{27018} = (9, 11, 25, 1)$

$768: P_{27036} = (27, 11, 25, 1)$

$769: P_{27062} = (21, 12, 25, 1)$

$770: P_{27063} = (22, 12, 25, 1)$

$771: P_{27064} = (23, 12, 25, 1)$

$772: P_{27121} = (16, 14, 25, 1)$

$773: P_{27196} = (27, 16, 25, 1)$

$774: P_{27221} = (20, 17, 25, 1)$

$775: P_{27340} = (11, 21, 25, 1)$

$776 : P_{27410} = (17, 23, 25, 1)$
$777 : P_{27478} = (21, 25, 25, 1)$
$778 : P_{27511} = (22, 26, 25, 1)$
$779 : P_{27544} = (23, 27, 25, 1)$
$780 : P_{27613} = (28, 29, 25, 1)$
$781 : P_{27628} = (11, 30, 25, 1)$
$782 : P_{27633} = (16, 30, 25, 1)$
$783 : P_{27646} = (29, 30, 25, 1)$
$784 : P_{27700} = (19, 0, 26, 1)$
$785 : P_{27701} = (20, 0, 26, 1)$
$786 : P_{27709} = (28, 0, 26, 1)$
$787 : P_{27719} = (6, 1, 26, 1)$
$788 : P_{27726} = (13, 1, 26, 1)$
$789 : P_{27730} = (17, 1, 26, 1)$
$790 : P_{27838} = (29, 4, 26, 1)$
$791 : P_{27867} = (26, 5, 26, 1)$
$792 : P_{27911} = (6, 7, 26, 1)$
$793 : P_{28005} = (4, 10, 26, 1)$
$794 : P_{28078} = (13, 12, 26, 1)$
$795 : P_{28130} = (1, 14, 26, 1)$
$796 : P_{28133} = (4, 14, 26, 1)$
$797 : P_{28145} = (16, 14, 26, 1)$
$798 : P_{28162} = (1, 15, 26, 1)$
$799 : P_{28210} = (17, 16, 26, 1)$
$800 : P_{28297} = (8, 19, 26, 1)$
$801 : P_{28308} = (19, 19, 26, 1)$
$802 : P_{28336} = (15, 20, 26, 1)$
$803 : P_{28341} = (20, 20, 26, 1)$
$804 : P_{28427} = (10, 23, 26, 1)$
$805 : P_{28451} = (2, 24, 26, 1)$
$806 : P_{28510} = (29, 25, 26, 1)$
$807 : P_{28515} = (2, 26, 26, 1)$
$808 : P_{28552} = (7, 27, 26, 1)$
$809 : P_{28553} = (8, 27, 26, 1)$
$810 : P_{28560} = (15, 27, 26, 1)$
$811 : P_{28584} = (7, 28, 26, 1)$
$812 : P_{28605} = (28, 28, 26, 1)$
$813 : P_{28619} = (10, 29, 26, 1)$
$814 : P_{28657} = (16, 30, 26, 1)$
$815 : P_{28699} = (26, 31, 26, 1)$
$816 : P_{28708} = (3, 0, 27, 1)$
$817 : P_{28759} = (22, 1, 27, 1)$
$818 : P_{28787} = (18, 2, 27, 1)$
$819 : P_{28789} = (20, 2, 27, 1)$
$820 : P_{28799} = (30, 2, 27, 1)$
$821 : P_{28804} = (3, 3, 27, 1)$
$822 : P_{28826} = (25, 3, 27, 1)$
$823 : P_{28848} = (15, 4, 27, 1)$
$824 : P_{28948} = (19, 7, 27, 1)$
$825 : P_{28989} = (28, 8, 27, 1)$
$826 : P_{29010} = (17, 9, 27, 1)$
$827 : P_{29054} = (29, 10, 27, 1)$
$828 : P_{29072} = (15, 11, 27, 1)$
$829 : P_{29235} = (18, 16, 27, 1)$

$830 : P_{29255} = (6, 17, 27, 1)$
$831 : P_{29294} = (13, 18, 27, 1)$
$832 : P_{29325} = (12, 19, 27, 1)$
$833 : P_{29346} = (1, 20, 27, 1)$
$834 : P_{29364} = (19, 20, 27, 1)$
$835 : P_{29373} = (28, 20, 27, 1)$
$836 : P_{29378} = (1, 21, 27, 1)$
$837 : P_{29429} = (20, 22, 27, 1)$
$838 : P_{29447} = (6, 23, 27, 1)$
$839 : P_{29463} = (22, 23, 27, 1)$
$840 : P_{29470} = (29, 23, 27, 1)$
$841 : P_{29490} = (17, 24, 27, 1)$
$842 : P_{29562} = (25, 26, 27, 1)$
$843 : P_{29573} = (4, 27, 27, 1)$
$844 : P_{29631} = (30, 28, 27, 1)$
$845 : P_{29701} = (4, 31, 27, 1)$
$846 : P_{29709} = (12, 31, 27, 1)$
$847 : P_{29710} = (13, 31, 27, 1)$
$848 : P_{29740} = (11, 0, 28, 1)$
$849 : P_{29742} = (13, 0, 28, 1)$
$850 : P_{29756} = (27, 0, 28, 1)$
$851 : P_{29792} = (31, 1, 28, 1)$
$852 : P_{29810} = (17, 2, 28, 1)$
$853 : P_{30010} = (25, 8, 28, 1)$
$854 : P_{30068} = (19, 10, 28, 1)$
$855 : P_{30073} = (24, 10, 28, 1)$
$856 : P_{30077} = (28, 10, 28, 1)$
$857 : P_{30092} = (11, 11, 28, 1)$
$858 : P_{30103} = (22, 11, 28, 1)$
$859 : P_{30158} = (13, 13, 28, 1)$
$860 : P_{30161} = (16, 13, 28, 1)$
$861 : P_{30178} = (1, 14, 28, 1)$
$862 : P_{30210} = (1, 15, 28, 1)$
$863 : P_{30253} = (12, 16, 28, 1)$
$864 : P_{30298} = (25, 17, 28, 1)$
$865 : P_{30329} = (24, 18, 28, 1)$
$866 : P_{30354} = (17, 19, 28, 1)$
$867 : P_{30410} = (9, 21, 28, 1)$
$868 : P_{30461} = (28, 22, 28, 1)$
$869 : P_{30501} = (4, 24, 28, 1)$
$870 : P_{30548} = (19, 25, 28, 1)$
$871 : P_{30599} = (6, 27, 28, 1)$
$872 : P_{30620} = (27, 27, 28, 1)$
$873 : P_{30629} = (4, 28, 28, 1)$
$874 : P_{30634} = (9, 28, 28, 1)$
$875 : P_{30637} = (12, 28, 28, 1)$
$876 : P_{30663} = (6, 29, 28, 1)$
$877 : P_{30673} = (16, 29, 28, 1)$
$878 : P_{30679} = (22, 29, 28, 1)$
$879 : P_{30720} = (31, 30, 28, 1)$
$880 : P_{30792} = (7, 1, 29, 1)$
$881 : P_{30833} = (16, 2, 29, 1)$
$882 : P_{30874} = (25, 3, 29, 1)$
$883 : P_{30933} = (20, 5, 29, 1)$

$884: P_{30934} = (21, 5, 29, 1)$
$885: P_{30937} = (24, 5, 29, 1)$
$886: P_{30952} = (7, 6, 29, 1)$
$887: P_{31011} = (2, 8, 29, 1)$
$888: P_{31075} = (2, 10, 29, 1)$
$889: P_{31079} = (6, 10, 29, 1)$
$890: P_{31091} = (18, 10, 29, 1)$
$891: P_{31143} = (6, 12, 29, 1)$
$892: P_{31200} = (31, 13, 29, 1)$
$893: P_{31286} = (21, 16, 29, 1)$
$894: P_{31317} = (20, 17, 29, 1)$
$895: P_{31330} = (1, 18, 29, 1)$
$896: P_{31345} = (16, 18, 29, 1)$
$897: P_{31360} = (31, 18, 29, 1)$
$898: P_{31362} = (1, 19, 29, 1)$
$899: P_{31428} = (3, 21, 29, 1)$
$900: P_{31460} = (3, 22, 29, 1)$
$901: P_{31539} = (18, 24, 29, 1)$
$902: P_{31610} = (25, 26, 29, 1)$
$903: P_{31705} = (24, 29, 29, 1)$
$904: P_{31815} = (6, 1, 30, 1)$
$905: P_{31902} = (29, 3, 30, 1)$
$906: P_{31929} = (24, 4, 30, 1)$
$907: P_{31982} = (13, 6, 30, 1)$
$908: P_{32007} = (6, 7, 30, 1)$
$909: P_{32015} = (14, 7, 30, 1)$
$910: P_{32017} = (16, 7, 30, 1)$
$911: P_{32036} = (3, 8, 30, 1)$
$912: P_{32079} = (14, 9, 30, 1)$
$913: P_{32132} = (3, 11, 30, 1)$
$914: P_{32142} = (13, 11, 30, 1)$
$915: P_{32155} = (26, 11, 30, 1)$
$916: P_{32216} = (23, 13, 30, 1)$
$917: P_{32220} = (27, 13, 30, 1)$
$918: P_{32223} = (30, 13, 30, 1)$
$919: P_{32293} = (4, 16, 30, 1)$
$920: P_{32347} = (26, 17, 30, 1)$
$921: P_{32415} = (30, 19, 30, 1)$
$922: P_{32421} = (4, 20, 30, 1)$

$923: P_{32508} = (27, 22, 30, 1)$
$924: P_{32529} = (16, 23, 30, 1)$
$925: P_{32632} = (23, 26, 30, 1)$
$926: P_{32697} = (24, 28, 30, 1)$
$927: P_{32766} = (29, 30, 30, 1)$
$928: P_{32805} = (4, 0, 31, 1)$
$929: P_{32852} = (19, 1, 31, 1)$
$930: P_{32881} = (16, 2, 31, 1)$
$931: P_{32919} = (22, 3, 31, 1)$
$932: P_{32933} = (4, 4, 31, 1)$
$933: P_{32955} = (26, 4, 31, 1)$
$934: P_{32986} = (25, 5, 31, 1)$
$935: P_{33022} = (29, 6, 31, 1)$
$936: P_{33045} = (20, 7, 31, 1)$
$937: P_{33152} = (31, 10, 31, 1)$
$938: P_{33270} = (21, 14, 31, 1)$
$939: P_{33353} = (8, 17, 31, 1)$
$940: P_{33354} = (9, 17, 31, 1)$
$941: P_{33359} = (14, 17, 31, 1)$
$942: P_{33392} = (15, 18, 31, 1)$
$943: P_{33393} = (16, 18, 31, 1)$
$944: P_{33396} = (19, 18, 31, 1)$
$945: P_{33429} = (20, 19, 31, 1)$
$946: P_{33475} = (2, 21, 31, 1)$
$947: P_{33495} = (22, 21, 31, 1)$
$948: P_{33504} = (31, 21, 31, 1)$
$949: P_{33518} = (13, 22, 31, 1)$
$950: P_{33539} = (2, 23, 31, 1)$
$951: P_{33578} = (9, 24, 31, 1)$
$952: P_{33609} = (8, 25, 31, 1)$
$953: P_{33678} = (13, 27, 31, 1)$
$954: P_{33686} = (21, 27, 31, 1)$
$955: P_{33694} = (29, 27, 31, 1)$
$956: P_{33722} = (25, 28, 31, 1)$
$957: P_{33744} = (15, 29, 31, 1)$
$958: P_{33787} = (26, 30, 31, 1)$
$959: P_{33807} = (14, 31, 31, 1)$

Line Intersection Graph

	0
0	0

Neighbor sets in the line intersection graph:
Line 0 intersects

Line
in point

The surface has 993 points:
The points on the surface are:

$0: P_1 = (0, 1, 0, 0)$
$1: P_{107} = (8, 2, 1, 0)$
$2: P_{143} = (12, 3, 1, 0)$
$3: P_{173} = (10, 4, 1, 0)$
$4: P_{221} = (26, 5, 1, 0)$
$5: P_{251} = (24, 6, 1, 0)$
$6: P_{274} = (15, 7, 1, 0)$
$7: P_{306} = (15, 8, 1, 0)$
$8: P_{310} = (19, 8, 1, 0)$
$9: P_{312} = (21, 8, 1, 0)$
$10: P_{328} = (5, 9, 1, 0)$
$11: P_{363} = (8, 10, 1, 0)$
$12: P_{383} = (28, 10, 1, 0)$
$13: P_{386} = (31, 10, 1, 0)$
$14: P_{404} = (17, 11, 1, 0)$
$15: P_{424} = (5, 12, 1, 0)$
$16: P_{481} = (30, 13, 1, 0)$
$17: P_{493} = (10, 14, 1, 0)$
$18: P_{501} = (18, 14, 1, 0)$
$19: P_{506} = (23, 14, 1, 0)$
$20: P_{527} = (12, 15, 1, 0)$
$21: P_{561} = (14, 16, 1, 0)$
$22: P_{582} = (3, 17, 1, 0)$
$23: P_{614} = (3, 18, 1, 0)$
$24: P_{650} = (7, 19, 1, 0)$
$25: P_{654} = (11, 19, 1, 0)$
$26: P_{673} = (30, 19, 1, 0)$
$27: P_{682} = (7, 20, 1, 0)$
$28: P_{738} = (31, 21, 1, 0)$
$29: P_{767} = (28, 22, 1, 0)$
$30: P_{780} = (9, 23, 1, 0)$
$31: P_{814} = (11, 24, 1, 0)$
$32: P_{858} = (23, 25, 1, 0)$
$33: P_{884} = (17, 26, 1, 0)$
$34: P_{918} = (19, 27, 1, 0)$
$35: P_{949} = (18, 28, 1, 0)$
$36: P_{984} = (21, 29, 1, 0)$
$37: P_{1004} = (9, 30, 1, 0)$
$38: P_{1009} = (14, 30, 1, 0)$
$39: P_{1019} = (24, 30, 1, 0)$
$40: P_{1053} = (26, 31, 1, 0)$
$41: P_{1130} = (8, 2, 0, 1)$
$42: P_{1166} = (12, 3, 0, 1)$
$43: P_{1196} = (10, 4, 0, 1)$
$44: P_{1244} = (26, 5, 0, 1)$
$45: P_{1274} = (24, 6, 0, 1)$
$46: P_{1297} = (15, 7, 0, 1)$
$47: P_{1329} = (15, 8, 0, 1)$
$48: P_{1333} = (19, 8, 0, 1)$
$49: P_{1335} = (21, 8, 0, 1)$
$50: P_{1351} = (5, 9, 0, 1)$
$51: P_{1386} = (8, 10, 0, 1)$
$52: P_{1406} = (28, 10, 0, 1)$
$53: P_{1409} = (31, 10, 0, 1)$

$54: P_{1427} = (17, 11, 0, 1)$
$55: P_{1447} = (5, 12, 0, 1)$
$56: P_{1504} = (30, 13, 0, 1)$
$57: P_{1516} = (10, 14, 0, 1)$
$58: P_{1524} = (18, 14, 0, 1)$
$59: P_{1529} = (23, 14, 0, 1)$
$60: P_{1550} = (12, 15, 0, 1)$
$61: P_{1584} = (14, 16, 0, 1)$
$62: P_{1605} = (3, 17, 0, 1)$
$63: P_{1637} = (3, 18, 0, 1)$
$64: P_{1673} = (7, 19, 0, 1)$
$65: P_{1677} = (11, 19, 0, 1)$
$66: P_{1696} = (30, 19, 0, 1)$
$67: P_{1705} = (7, 20, 0, 1)$
$68: P_{1761} = (31, 21, 0, 1)$
$69: P_{1790} = (28, 22, 0, 1)$
$70: P_{1803} = (9, 23, 0, 1)$
$71: P_{1837} = (11, 24, 0, 1)$
$72: P_{1881} = (23, 25, 0, 1)$
$73: P_{1907} = (17, 26, 0, 1)$
$74: P_{1941} = (19, 27, 0, 1)$
$75: P_{1972} = (18, 28, 0, 1)$
$76: P_{2007} = (21, 29, 0, 1)$
$77: P_{2027} = (9, 30, 0, 1)$
$78: P_{2032} = (14, 30, 0, 1)$
$79: P_{2042} = (24, 30, 0, 1)$
$80: P_{2076} = (26, 31, 0, 1)$
$81: P_{2082} = (0, 0, 1, 1)$
$82: P_{2114} = (0, 1, 1, 1)$
$83: P_{2145} = (0, 2, 1, 1)$
$84: P_{2177} = (0, 3, 1, 1)$
$85: P_{2209} = (0, 4, 1, 1)$
$86: P_{2241} = (0, 5, 1, 1)$
$87: P_{2273} = (0, 6, 1, 1)$
$88: P_{2305} = (0, 7, 1, 1)$
$89: P_{2337} = (0, 8, 1, 1)$
$90: P_{2369} = (0, 9, 1, 1)$
$91: P_{2401} = (0, 10, 1, 1)$
$92: P_{2433} = (0, 11, 1, 1)$
$93: P_{2465} = (0, 12, 1, 1)$
$94: P_{2497} = (0, 13, 1, 1)$
$95: P_{2529} = (0, 14, 1, 1)$
$96: P_{2561} = (0, 15, 1, 1)$
$97: P_{2593} = (0, 16, 1, 1)$
$98: P_{2625} = (0, 17, 1, 1)$
$99: P_{2657} = (0, 18, 1, 1)$
$100: P_{2689} = (0, 19, 1, 1)$
$101: P_{2721} = (0, 20, 1, 1)$
$102: P_{2753} = (0, 21, 1, 1)$
$103: P_{2785} = (0, 22, 1, 1)$
$104: P_{2817} = (0, 23, 1, 1)$
$105: P_{2849} = (0, 24, 1, 1)$
$106: P_{2881} = (0, 25, 1, 1)$
$107: P_{2913} = (0, 26, 1, 1)$

$108: P_{2945} = (0, 27, 1, 1)$
$109: P_{2977} = (0, 28, 1, 1)$
$110: P_{3009} = (0, 29, 1, 1)$
$111: P_{3041} = (0, 30, 1, 1)$
$112: P_{3073} = (0, 31, 1, 1)$
$113: P_{3110} = (5, 0, 2, 1)$
$114: P_{3162} = (25, 1, 2, 1)$
$115: P_{3185} = (16, 2, 2, 1)$
$116: P_{3207} = (6, 3, 2, 1)$
$117: P_{3242} = (9, 4, 2, 1)$
$118: P_{3252} = (19, 4, 2, 1)$
$119: P_{3262} = (29, 4, 2, 1)$
$120: P_{3270} = (5, 5, 2, 1)$
$121: P_{3271} = (6, 5, 2, 1)$
$122: P_{3341} = (12, 7, 2, 1)$
$123: P_{3387} = (26, 8, 2, 1)$
$124: P_{3420} = (27, 9, 2, 1)$
$125: P_{3448} = (23, 10, 2, 1)$
$126: P_{3469} = (12, 11, 2, 1)$
$127: P_{3509} = (20, 12, 2, 1)$
$128: P_{3530} = (9, 13, 2, 1)$
$129: P_{3575} = (22, 14, 2, 1)$
$130: P_{3616} = (31, 15, 2, 1)$
$131: P_{3648} = (31, 16, 2, 1)$
$132: P_{3697} = (16, 18, 2, 1)$
$133: P_{3707} = (26, 18, 2, 1)$
$134: P_{3708} = (27, 18, 2, 1)$
$135: P_{3785} = (8, 21, 2, 1)$
$136: P_{3860} = (19, 23, 2, 1)$
$137: P_{3893} = (20, 24, 2, 1)$
$138: P_{3895} = (22, 24, 2, 1)$
$139: P_{3898} = (25, 24, 2, 1)$
$140: P_{3934} = (29, 25, 2, 1)$
$141: P_{4002} = (1, 28, 2, 1)$
$142: P_{4034} = (1, 29, 2, 1)$
$143: P_{4041} = (8, 29, 2, 1)$
$144: P_{4056} = (23, 29, 2, 1)$
$145: P_{4137} = (8, 0, 3, 1)$
$146: P_{4152} = (23, 0, 3, 1)$
$147: P_{4158} = (29, 0, 3, 1)$
$148: P_{4173} = (12, 1, 3, 1)$
$149: P_{4181} = (20, 1, 3, 1)$
$150: P_{4188} = (27, 1, 3, 1)$
$151: P_{4203} = (10, 2, 3, 1)$
$152: P_{4214} = (21, 2, 3, 1)$
$153: P_{4224} = (31, 2, 3, 1)$
$154: P_{4229} = (4, 3, 3, 1)$
$155: P_{4343} = (22, 6, 3, 1)$
$156: P_{4357} = (4, 7, 3, 1)$
$157: P_{4393} = (8, 8, 3, 1)$
$158: P_{4395} = (10, 8, 3, 1)$
$159: P_{4557} = (12, 13, 3, 1)$
$160: P_{4593} = (16, 14, 3, 1)$
$161: P_{4663} = (22, 16, 3, 1)$

$162: P_{4676} = (3, 17, 3, 1)$

$163: P_{4708} = (3, 18, 3, 1)$

$164: P_{4750} = (13, 19, 3, 1)$

$165: P_{4821} = (20, 21, 3, 1)$

$166: P_{4847} = (14, 22, 3, 1)$

$167: P_{4886} = (21, 23, 3, 1)$

$168: P_{4888} = (23, 23, 3, 1)$

$169: P_{4911} = (14, 24, 3, 1)$

$170: P_{4988} = (27, 26, 3, 1)$

$171: P_{5086} = (29, 29, 3, 1)$

$172: P_{5088} = (31, 29, 3, 1)$

$173: P_{5090} = (1, 30, 3, 1)$

$174: P_{5102} = (13, 30, 3, 1)$

$175: P_{5105} = (16, 30, 3, 1)$

$176: P_{5122} = (1, 31, 3, 1)$

$177: P_{5170} = (17, 0, 4, 1)$

$178: P_{5191} = (6, 1, 4, 1)$

$179: P_{5294} = (13, 4, 4, 1)$

$180: P_{5333} = (20, 5, 4, 1)$

$181: P_{5367} = (22, 6, 4, 1)$

$182: P_{5383} = (6, 7, 4, 1)$

$183: P_{5402} = (25, 7, 4, 1)$

$184: P_{5406} = (29, 7, 4, 1)$

$185: P_{5443} = (2, 9, 4, 1)$

$186: P_{5444} = (3, 9, 4, 1)$

$187: P_{5454} = (13, 9, 4, 1)$

$188: P_{5476} = (3, 10, 4, 1)$

$189: P_{5507} = (2, 11, 4, 1)$

$190: P_{5587} = (18, 13, 4, 1)$

$191: P_{5625} = (24, 14, 4, 1)$

$192: P_{5659} = (26, 15, 4, 1)$

$193: P_{5673} = (8, 16, 4, 1)$

$194: P_{5676} = (11, 16, 4, 1)$

$195: P_{5687} = (22, 16, 4, 1)$

$196: P_{5714} = (17, 17, 4, 1)$

$197: P_{5717} = (20, 17, 4, 1)$

$198: P_{5851} = (26, 21, 4, 1)$

$199: P_{5858} = (1, 22, 4, 1)$

$200: P_{5867} = (10, 22, 4, 1)$

$201: P_{5881} = (24, 22, 4, 1)$

$202: P_{5890} = (1, 23, 4, 1)$

$203: P_{5929} = (8, 24, 4, 1)$

$204: P_{6014} = (29, 26, 4, 1)$

$205: P_{6028} = (11, 27, 4, 1)$

$206: P_{6059} = (10, 28, 4, 1)$

$207: P_{6138} = (25, 30, 4, 1)$

$208: P_{6163} = (18, 31, 4, 1)$

$209: P_{6187} = (10, 0, 5, 1)$

$210: P_{6199} = (22, 0, 5, 1)$

$211: P_{6201} = (24, 0, 5, 1)$

$212: P_{6211} = (2, 1, 5, 1)$

$213: P_{6235} = (26, 1, 5, 1)$

$214: P_{6238} = (29, 1, 5, 1)$

$215: P_{6275} = (2, 3, 5, 1)$

$216: P_{6319} = (14, 4, 5, 1)$

$217: P_{6323} = (18, 4, 5, 1)$

$218: P_{6333} = (28, 4, 5, 1)$

$219: P_{6353} = (16, 5, 5, 1)$

$220: P_{6431} = (30, 7, 5, 1)$

$221: P_{6460} = (27, 8, 5, 1)$

$222: P_{6470} = (5, 9, 5, 1)$

$223: P_{6507} = (10, 10, 5, 1)$

$224: P_{6511} = (14, 10, 5, 1)$

$225: P_{6566} = (5, 12, 5, 1)$

$226: P_{6618} = (25, 13, 5, 1)$

$227: P_{6754} = (1, 18, 5, 1)$

$228: P_{6786} = (1, 19, 5, 1)$

$229: P_{6798} = (13, 19, 5, 1)$

$230: P_{6812} = (27, 19, 5, 1)$

$231: P_{6842} = (25, 20, 5, 1)$

$232: P_{6865} = (16, 21, 5, 1)$

$233: P_{6899} = (18, 22, 5, 1)$

$234: P_{6903} = (22, 22, 5, 1)$

$235: P_{6969} = (24, 24, 5, 1)$

$236: P_{6973} = (28, 24, 5, 1)$

$237: P_{7007} = (30, 25, 5, 1)$

$238: P_{7067} = (26, 27, 5, 1)$

$239: P_{7102} = (29, 28, 5, 1)$

$240: P_{7150} = (13, 30, 5, 1)$

$241: P_{7256} = (23, 1, 6, 1)$

$242: P_{7289} = (24, 2, 6, 1)$

$243: P_{7322} = (25, 3, 6, 1)$

$244: P_{7340} = (11, 4, 6, 1)$

$245: P_{7383} = (22, 5, 6, 1)$

$246: P_{7421} = (28, 6, 6, 1)$

$247: P_{7614} = (29, 12, 6, 1)$

$248: P_{7619} = (2, 13, 6, 1)$

$249: P_{7650} = (1, 14, 6, 1)$

$250: P_{7682} = (1, 15, 6, 1)$

$251: P_{7683} = (2, 15, 6, 1)$

$252: P_{7692} = (11, 15, 6, 1)$

$253: P_{7774} = (29, 17, 6, 1)$

$254: P_{7822} = (13, 19, 6, 1)$

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$256: P_{7831} = (22, 19, 6, 1)$

$257: P_{7853} = (12, 20, 6, 1)$

$258: P_{7928} = (23, 22, 6, 1)$

$259: P_{7981} = (12, 24, 6, 1)$

$260: P_{8057} = (24, 26, 6, 1)$

$261: P_{8058} = (25, 26, 6, 1)$

$262: P_{8061} = (28, 26, 6, 1)$

$263: P_{8112} = (15, 28, 6, 1)$

$264: P_{8174} = (13, 30, 6, 1)$

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$266: P_{8241} = (16, 0, 7, 1)$

$267: P_{8243} = (18, 0, 7, 1)$

$268: P_{8268} = (11, 1, 7, 1)$

$269: P_{8294} = (5, 2, 7, 1)$

$270: P_{8350} = (29, 3, 7, 1)$

$271: P_{8355} = (2, 4, 7, 1)$

$272: P_{8357} = (4, 4, 7, 1)$

$273: P_{8419} = (2, 6, 7, 1)$

$274: P_{8437} = (20, 6, 7, 1)$

$275: P_{8439} = (22, 6, 7, 1)$

$276: P_{8454} = (5, 7, 7, 1)$

$277: P_{8476} = (27, 7, 7, 1)$

$278: P_{8480} = (31, 7, 7, 1)$

$279: P_{8482} = (1, 8, 7, 1)$

$280: P_{8514} = (1, 9, 7, 1)$

$281: P_{8556} = (11, 10, 7, 1)$

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$283: P_{8676} = (3, 14, 7, 1)$

$284: P_{8733} = (28, 15, 7, 1)$

$285: P_{8753} = (16, 16, 7, 1)$

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$287: P_{8819} = (18, 18, 7, 1)$

$288: P_{8821} = (20, 18, 7, 1)$

$289: P_{8840} = (7, 19, 7, 1)$

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$291: P_{8861} = (28, 19, 7, 1)$

$292: P_{8872} = (7, 20, 7, 1)$

$293: P_{9024} = (31, 24, 7, 1)$

$294: P_{9148} = (27, 28, 7, 1)$

$295: P_{9167} = (14, 29, 7, 1)$

$296: P_{9214} = (29, 30, 7, 1)$

$297: P_{9310} = (29, 1, 8, 1)$

$298: P_{9317} = (4, 2, 8, 1)$

$299: P_{9320} = (7, 2, 8, 1)$

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$301: P_{9416} = (7, 5, 8, 1)$

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$303: P_{9500} = (27, 7, 8, 1)$

$304: P_{9530} = (25, 8, 8, 1)$

$305: P_{9577} = (8, 10, 8, 1)$

$306: P_{9686} = (21, 13, 8, 1)$

$307: P_{9714} = (17, 14, 8, 1)$

$308: P_{9748} = (19, 15, 8, 1)$

$309: P_{9818} = (25, 17, 8, 1)$

$310: P_{9966} = (13, 22, 8, 1)$

$311: P_{10038} = (21, 24, 8, 1)$

$312: P_{10086} = (5, 26, 8, 1)$

$313: P_{10126} = (13, 27, 8, 1)$

$314: P_{10164} = (19, 28, 8, 1)$

$315: P_{10172} = (27, 28, 8, 1)$

$316: P_{10174} = (29, 28, 8, 1)$

$317: P_{10179} = (2, 29, 8, 1)$

$318: P_{10243} = (2, 31, 8, 1)$

$319: P_{10246} = (5, 31, 8, 1)$

$320: P_{10258} = (17, 31, 8, 1)$

$321: P_{10286} = (13, 0, 9, 1)$

$322: P_{10315} = (10, 1, 9, 1)$

$323: P_{10403} = (2, 4, 9, 1)$

$324 : P_{10424} = (23, 4, 9, 1)$

$325 : P_{10426} = (25, 4, 9, 1)$

$326 : P_{10467} = (2, 6, 9, 1)$

$327 : P_{10513} = (16, 7, 9, 1)$

$328 : P_{10534} = (5, 8, 9, 1)$

$329 : P_{10580} = (19, 9, 9, 1)$

$330 : P_{10615} = (22, 10, 9, 1)$

$331 : P_{10635} = (10, 11, 9, 1)$

$332 : P_{10643} = (18, 11, 9, 1)$

$333 : P_{10652} = (27, 11, 9, 1)$

$334 : P_{10677} = (20, 12, 9, 1)$

$335 : P_{10694} = (5, 13, 9, 1)$

$336 : P_{10702} = (13, 13, 9, 1)$

$337 : P_{10812} = (27, 16, 9, 1)$

$338 : P_{10823} = (6, 17, 9, 1)$

$339 : P_{10904} = (23, 19, 9, 1)$

$340 : P_{10927} = (14, 20, 9, 1)$

$341 : P_{10960} = (15, 21, 9, 1)$

$342 : P_{11015} = (6, 23, 9, 1)$

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$344 : P_{11025} = (16, 23, 9, 1)$

$345 : P_{11061} = (20, 24, 9, 1)$

$346 : P_{11091} = (18, 25, 9, 1)$

$347 : P_{11119} = (14, 26, 9, 1)$

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$350 : P_{11191} = (22, 28, 9, 1)$

$351 : P_{11226} = (25, 29, 9, 1)$

$352 : P_{11242} = (9, 30, 9, 1)$

$353 : P_{11351} = (22, 1, 10, 1)$

$354 : P_{11388} = (27, 2, 10, 1)$

$355 : P_{11410} = (17, 3, 10, 1)$

$356 : P_{11435} = (10, 4, 10, 1)$

$357 : P_{11441} = (16, 4, 10, 1)$

$358 : P_{11446} = (21, 4, 10, 1)$

$359 : P_{11549} = (28, 7, 10, 1)$

$360 : P_{11623} = (6, 10, 10, 1)$

$361 : P_{11687} = (6, 12, 10, 1)$

$362 : P_{11755} = (10, 14, 10, 1)$

$363 : P_{11862} = (21, 17, 10, 1)$

$364 : P_{11877} = (4, 18, 10, 1)$

$365 : P_{11885} = (12, 18, 10, 1)$

$366 : P_{11890} = (17, 18, 10, 1)$

$367 : P_{11953} = (16, 20, 10, 1)$

$368 : P_{11971} = (2, 21, 10, 1)$

$369 : P_{12005} = (4, 22, 10, 1)$

$370 : P_{12035} = (2, 23, 10, 1)$

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$373 : P_{12124} = (27, 25, 10, 1)$

$374 : P_{12189} = (28, 27, 10, 1)$

$375 : P_{12269} = (12, 30, 10, 1)$

$376 : P_{12297} = (8, 31, 10, 1)$

$377 : P_{12348} = (27, 0, 11, 1)$

$378 : P_{12367} = (14, 1, 11, 1)$

$379 : P_{12425} = (8, 3, 11, 1)$

$380 : P_{12447} = (30, 3, 11, 1)$

$381 : P_{12448} = (31, 3, 11, 1)$

$382 : P_{12522} = (9, 6, 11, 1)$

$383 : P_{12574} = (29, 7, 11, 1)$

$384 : P_{12601} = (24, 8, 11, 1)$

$385 : P_{12658} = (17, 10, 11, 1)$

$386 : P_{12681} = (8, 11, 11, 1)$

$387 : P_{12725} = (20, 12, 11, 1)$

$388 : P_{12739} = (2, 13, 11, 1)$

$389 : P_{12794} = (25, 14, 11, 1)$

$390 : P_{12803} = (2, 15, 11, 1)$

$391 : P_{12810} = (9, 15, 11, 1)$

$392 : P_{12815} = (14, 15, 11, 1)$

$393 : P_{12837} = (4, 16, 11, 1)$

$394 : P_{12839} = (6, 16, 11, 1)$

$395 : P_{12857} = (24, 16, 11, 1)$

$396 : P_{12940} = (11, 19, 11, 1)$

$397 : P_{12965} = (4, 20, 11, 1)$

$398 : P_{13006} = (13, 21, 11, 1)$

$399 : P_{13031} = (6, 22, 11, 1)$

$400 : P_{13082} = (25, 23, 11, 1)$

$401 : P_{13100} = (11, 24, 11, 1)$

$402 : P_{13102} = (13, 24, 11, 1)$

$403 : P_{13109} = (20, 24, 11, 1)$

$404 : P_{13182} = (29, 26, 11, 1)$

$405 : P_{13202} = (17, 27, 11, 1)$

$406 : P_{13212} = (27, 27, 11, 1)$

$407 : P_{13248} = (31, 28, 11, 1)$

$408 : P_{13279} = (30, 29, 11, 1)$

$409 : P_{13351} = (6, 0, 12, 1)$

$410 : P_{13366} = (21, 0, 12, 1)$

$411 : P_{13375} = (30, 0, 12, 1)$

$412 : P_{13382} = (5, 1, 12, 1)$

$413 : P_{13393} = (16, 1, 12, 1)$

$414 : P_{13402} = (25, 1, 12, 1)$

$415 : P_{13429} = (20, 2, 12, 1)$

$416 : P_{13453} = (12, 3, 12, 1)$

$417 : P_{13478} = (5, 4, 12, 1)$

$418 : P_{13543} = (6, 6, 12, 1)$

$419 : P_{13548} = (11, 6, 12, 1)$

$420 : P_{13603} = (2, 8, 12, 1)$

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$422 : P_{13667} = (2, 10, 12, 1)$

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$426 : P_{13772} = (11, 13, 12, 1)$

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$432 : P_{13993} = (8, 20, 12, 1)$

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$442 : P_{14430} = (29, 1, 13, 1)$

$443 : P_{14444} = (11, 2, 13, 1)$

$444 : P_{14528} = (31, 4, 13, 1)$

$445 : P_{14554} = (25, 5, 13, 1)$

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$447 : P_{14582} = (21, 6, 13, 1)$

$448 : P_{14591} = (30, 6, 13, 1)$

$449 : P_{14594} = (1, 7, 13, 1)$

$450 : P_{14645} = (20, 8, 13, 1)$

$451 : P_{14668} = (11, 9, 13, 1)$

$452 : P_{14775} = (22, 12, 13, 1)$

$453 : P_{14787} = (2, 13, 13, 1)$

$454 : P_{14851} = (2, 15, 13, 1)$

$455 : P_{14865} = (16, 15, 13, 1)$

$456 : P_{14866} = (17, 15, 13, 1)$

$457 : P_{14950} = (5, 18, 13, 1)$

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$459 : P_{15055} = (14, 21, 13, 1)$

$460 : P_{15110} = (5, 23, 13, 1)$

$461 : P_{15167} = (30, 24, 13, 1)$

$462 : P_{15223} = (22, 26, 13, 1)$

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$466 : P_{15264} = (31, 27, 13, 1)$

$467 : P_{15285} = (20, 28, 13, 1)$

$468 : P_{15290} = (25, 28, 13, 1)$

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$470 : P_{15303} = (6, 29, 13, 1)$

$471 : P_{15346} = (17, 30, 13, 1)$

$472 : P_{15377} = (16, 31, 13, 1)$

$473 : P_{15450} = (25, 1, 14, 1)$

$474 : P_{15480} = (23, 2, 14, 1)$

$475 : P_{15523} = (2, 4, 14, 1)$

$476 : P_{15565} = (12, 5, 14, 1)$

$477 : P_{15587} = (2, 6, 14, 1)$

$478 : P_{15693} = (12, 9, 14, 1)$

$479 : P_{15697} = (16, 9, 14, 1)$

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$481 : P_{15805} = (28, 12, 14, 1)$

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$485 : P_{15933} = (28, 16, 14, 1)$

$486 : P_{15979} = (10, 18, 14, 1)$	$540 : P_{17872} = (15, 13, 16, 1)$	$594 : P_{19529} = (8, 1, 18, 1)$
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$515 : P_{17068} = (11, 20, 15, 1)$	$569 : P_{18676} = (19, 6, 17, 1)$	$623 : P_{20410} = (25, 28, 18, 1)$
$516 : P_{17111} = (22, 21, 15, 1)$	$570 : P_{18696} = (7, 7, 17, 1)$	$624 : P_{20477} = (28, 30, 18, 1)$
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$518 : P_{17171} = (18, 23, 15, 1)$	$572 : P_{18722} = (1, 8, 17, 1)$	$626 : P_{20633} = (24, 3, 19, 1)$
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