

The following are matrices (Sage style list of lists) containing the eigenvalues of the adjacency matrices of the perfect matching scheme up to n=15. These are generated by the Sagemath implementation of Srinivasan's algorithm in this github repository "Perfect-Matching-Association-Scheme". Be careful about the ordering of rows and columns.

```
===== n=2 =====
[[1, 2], [1, -1]]
```

```
===== n=3 =====
[[1, 6, 8], [1, 1, -2], [1, -3, 2]]
```

```
===== n=4 =====
[[1, 12, 12, 32, 48], [1, 5, -2, 4, -8], [1, 2, 7, -8, -2], [1, -1, -2, -2, 4], [1, -6, 3, 8, -6]]
```

```
===== n=5 =====
[[1, 20, 60, 80, 160, 240, 384], [1, 11, 6, 26, -20, 24, -48], [1, 6, 11, -4, 20, -26, -8], [1, 3, -10, 2, -4, -8, 16], [1, 0, 5, -10, -10, 10, 4], [1, -4, -3, 2, 10, 6, -12], [1, -10, 15, 20, -20, -30, 24]]
```

```
===== n=6 =====
[[1, 30, 180, 120, 160, 960, 640, 720, 1440, 2304, 3840], [1, 19, 48, -12, 72, 80, -64, 192, -144, 192, -384], [1, 12, 27, 30, 16, 24, -8, -18, 108, -144, -48], [1, 9, -12, -12, 22, -60, 16, 12, -24, -48, 96], [1, 9, 33, -27, -8, 120, 136, -78, -114, -48, -24], [1, 4, 3, -2, -8, 0, -24, -18, -4, 32, 16], [1, 0, -21, 6, 4, 12, 16, -6, 12, 24, -48], [1, 0, 15, 30, -20, -60, 40, 30, -60, 24, 0], [1, -3, 3, -9, -8, 0, 4, 24, 24, -24, -12], [1, -8, 3, 6, 12, 20, -16, -6, -36, -24, 48], [1, -15, 45, -15, 40, -120, 40, -90, 90, 144, -120]]
```

===== n=7 =====

[[1, 42, 420, 840, 280, 3360, 3360, 4480, 1680, 10080,
13440, 8064, 16128, 26880, 46080], [1, 29, 160, 60,
150, 760, -280, 320, 640, 720, -1120, 1824, -1344,
1920, -3840], [1, 20, 79, 114, 60, 148, 368, -184, 118,
180, -112, -120, 816, -1104, -384], [1, 17, 16, -84,
66, -56, -136, -64, 160, -432, 224, 96, -192, -384,
768], [1, 15, 69, 39, 10, 228, -42, 376, -102, 90, 588,
-360, -504, -264, -144], [1, 10, 9, 14, 10, -42, -52,
-64, -22, 100, -112, -100, -24, 176, 96], [1, 6, -39,
-18, 22, -78, 84, 112, 6, -36, 48, -36, 72, 144, -288],
[1, 7, 21, -49, -14, 84, 14, 56, -70, -182, -196, 56,
168, 56, 48], [1, 4, 15, 50, -20, -60, 80, -40, -10,
-140, 80, 104, -144, 80, 0], [1, 1, -9, -13, -8, 12,
-16, -28, -4, 64, 68, 44, 12, -76, -48], [1, -4, -29,
42, 12, 52, -16, 32, -14, -36, -112, 24, -48, -96,
192], [1, -3, 15, 15, -20, -60, -60, 100, 60, 0, -60,
-36, 108, -60, 0], [1, -7, 7, -21, 0, 28, 56, -28, 28,
0, -28, -84, -84, 84, 48], [1, -13, 25, 15, 30, -20,
-70, -40, -50, -90, 140, 24, 168, 120, -240], [1, -21,
105, -105, 70, -420, 210, 280, -210, 630, -420, 504,
-504, -840, 720]]

===== n=8 =====

[[1, 56, 840, 3360, 1680, 448, 8960, 26880, 17920,
35840, 3360, 40320, 40320, 107520, 80640, 21504,
129024, 172032, 107520, 215040, 368640, 645120], [1,
41, 390, 660, -120, 268, 2960, 1680, 3520, -2560, 1560,
7920, -2880, 6720, -5760, 7104, 8064, -12288, 21120,
-15360, 23040, -46080], [1, 30, 203, 396, 276, 136,
848, 1504, -176, 1312, 526, 1320, 3192, -3136, -480,
1120, 1728, -1024, -1056, 7872, -10752, -3840], [1, 27,
110, -180, -120, 142, 440, -1400, 160, -320, 580, -480,
-1200, -1120, 960, 1504, -4032, 2048, 960, -1920,
-3840, 7680], [1, 23, 147, 291, -102, 52, 512, 1140,
496, 1256, -6, 522, -1260, 2184, -144, -672, 720, 4128,
-2568, -3552, -2016, -1152], [1, 18, 47, 36, -12, 52,

-28, 40, -344, -464, 94, -48, -120, -256, 96, -152,
 720, -832, -768, -192, 1344, 768], [1, 14, -33, -180,
 36, 64, -184, -48, 160, 512, 138, -792, 360, 960, -288,
 48, -288, 384, -288, 576, 1152, -2304], [1, 20, 138,
 156, 321, 16, 608, -336, 1504, -1888, -204, 360, 2412,
 4704, 5580, -960, -4032, -4224, -1056, -1248, -1152,
 -720], [1, 13, 47, -19, -22, 2, 132, -210, 216, 16,
 -106, -18, -80, -196, -664, -232, -280, -192, 232, 768,
 304, 288], [1, 10, 23, 116, 116, -4, -132, 24, -216,
 112, -34, 0, 232, -256, -160, -40, -592, 576, 544,
 -768, 448, 0], [1, 7, -19, -19, -34, 8, -72, -48, -36,
 64, -16, 216, -32, 8, 272, -64, 104, 48, 244, 72, -416,
 -288], [1, 2, -69, 36, 36, 28, -52, 312, 304, -256, -6,
 -144, -72, -192, -288, -24, 144, -192, 144, -288, -576,
 1152], [1, 7, 35, 35, -70, -28, 0, 420, 0, 280, -70,
 -630, -140, -280, 560, 224, -112, -672, 280, 0, 160,
 0], [1, 4, 2, -100, 41, -16, 96, -48, 0, -128, -52,
 -72, 100, -160, 92, 128, 512, 384, -128, -384, -128,
 -144], [1, 1, 5, 35, -10, -22, -60, -30, 0, -140, 20,
 0, -20, 320, -160, 104, -16, 72, -140, 240, -200, 0],
 [1, -3, -19, -9, 6, -2, 68, 22, -56, 124, 4, 96, -12,
 8, -48, 16, -216, -232, -156, -48, 264, 192], [1, -9,
 -25, 135, -30, 28, 80, -260, 40, -80, -50, -210, 60,
 -280, 240, 64, 144, 512, -120, 240, 480, -960], [1, -4,
 30, 60, 165, -32, -160, -480, 400, 560, 120, 0, -720,
 -480, 540, -96, 864, -768, -240, 240, 0, 0], [1, -7,
 21, -21, -42, -14, -28, 42, 112, -28, 84, 0, 252, -336,
 0, -168, 0, 168, 84, -336, 216, 0], [1, -12, 26, -36,
 33, 16, 32, 112, -128, -128, 4, -120, -228, 224, 60,
 -128, 0, 128, 384, 384, -384, -240], [1, -19, 75, -15,
 -30, 58, -220, -210, 40, 320, -150, 90, 360, 420, -360,
 264, 504, -768, -120, -960, -720, 1440], [1, -28, 210,
 -420, 105, 112, -1120, 1680, 1120, -1120, -420, 2520,
 -1260, -3360, 1260, 1344, -4032, 2688, -3360, 3360,
 5760, -5040]]

===== n=9 =====

[[1, 72, 1512, 10080, 15120, 672, 20160, 120960, 80640,

53760, 322560, 143360, 6048, 120960, 362880, 483840,
967680, 725760, 48384, 580608, 580608, 1548288,
2322432, 322560, 1935360, 2580480, 1658880, 3317760,
5806080, 10321920], [1, 55, 798, 2940, 840, 434, 8260,
21000, -5040, 15680, 17920, -8960, 3192, 35280, 20160,
84000, -60480, 40320, 19824, 100800, -36288, 86016,
-145152, 94080, 107520, -161280, 288000, -207360,
322560, -645120], [1, 42, 447, 1380, 1620, 252, 3060,
6960, 7440, 2160, 3360, -640, 1398, 8760, 15480, -3360,
26880, -15840, 5784, 14688, 34848, -33792, -10368,
12960, 20160, -11520, -11520, 92160, -126720, -46080],
[1, 39, 318, 60, -1080, 258, 2340, -3000, -3120, 2880,
-7680, 1280, 1464, 4560, -14400, 3360, -6720, -5760,
6384, -5184, -13248, -12288, 20736, 17280, -46080,
23040, 11520, -23040, -46080, 92160], [1, 33, 303, 993,
378, 126, 1440, 5754, -948, 720, 11496, 6704, 354,
2478, 3924, 708, 5784, -2448, 24, 4968, -10944, 19488,
-2592, -5976, 7200, 38304, -24048, -33120, -19584,
-11520], [1, 28, 153, 148, 108, 126, 470, -96, -568,
-640, -1344, -1536, 474, 248, 1704, -4032, -4256, 1632,
884, -432, -1104, -2432, 1728, -1376, 6720, -7936,
-7488, -1920, 13056, 7680], [1, 24, 33, -540, -180,
138, 90, -2400, 1080, 480, 1920, 1280, 534, -2040,
-1800, 960, 5280, 1440, 1284, -7344, 3312, 8832, -5184,
480, -2880, 3840, -2880, 5760, 11520, -23040], [1, 28,
258, 708, 633, 56, 1240, 2424, 2232, 2720, -224, -3776,
-156, 1368, 2124, 14448, 3024, 19692, -1776, -5472,
5616, 6528, 31968, -5856, -23520, -23616, -7488, -8640,
-8784, -5760], [1, 21, 111, 141, -270, 42, 288, 366,
-204, 144, 168, -304, -30, 150, -2412, 588, -1176,
-2736, -600, 1080, 576, 1824, -4320, -1656, -2016,
-1440, 1584, 5472, 2304, 2304], [1, 18, 63, 228, 468,
36, -180, 144, 1392, -840, -1584, 704, 54, -72, 504,
-1152, -576, -288, -216, 288, 2016, -1152, -1152, -336,
-4320, 4224, 4032, -5760, 3456, 0], [1, 15, -3, -99,
-126, 48, -180, -96, -360, -276, -96, 128, 84, -168,
144, 492, 1464, 1008, -156, 972, -792, -1392, 1728,
-492, 792, 384, 1872, 576, -3168, -2304], [1, 10, -93,

-204, 324, 68, -260, 624, 240, 704, 1024, -512, 114,
-1368, 1224, 1632, -3456, -2592, 24, -288, 288, 768,
-1152, -192, 1152, -1536, 1152, -2304, -4608, 9216],
[1, 18, 108, 18, 243, 6, 450, -1026, -558, 1200, -2304,
944, -216, 108, 2484, 2268, -756, 2052, -756, -3672,
-1404, -6912, -7992, 144, 4320, 5904, 432, 2160, 1296,
1440], [1, 13, 63, 133, 98, -14, 0, 294, -28, 0, 1176,
-336, -126, -602, 84, -1092, 2184, -1008, -56, -1512,
-1344, -672, 1568, 1064, 0, -2016, 1392, -160, 896, 0],
[1, 10, 12, -134, -61, -2, 90, -426, 170, 144, -96, 48,
-96, 172, -36, -468, -516, -492, -116, 552, 708, 768,
1928, 368, 1152, 144, -528, -1744, -688, -864], [1, 7,
-3, 85, 50, -8, -180, -120, -280, -180, 0, 0, -12, 280,
240, 300, -840, 240, 4, -372, 168, 1488, -448, 500,
-360, 0, -720, 1280, -1120, 0], [1, 3, -51, -15, -54,
12, -36, 204, 240, 60, 240, -64, -12, 312, -288, -132,
408, 432, -60, -36, -216, -912, -1152, 228, -360, -192,
-864, -288, 1440, 1152], [1, -3, -93, 225, 90, 42, 0,
390, -540, 600, -1680, 320, -42, -510, -180, -1020,
600, -720, 24, 648, 288, 768, 2592, 120, -720, 960,
-720, 1440, 2880, -5760], [1, 9, 63, 105, -630, -42, 0,
1890, -420, 0, 2520, 3920, -126, -1890, -1260, -1260,
-7560, 5040, 504, -504, 4032, -6048, 2016, 840, 0,
-3360, 720, 1440, 0, 0], [1, 4, 18, -20, -55, -32, 0,
240, 80, 0, -480, -480, -36, -440, -60, 240, 240, 540,
304, 576, -48, 192, -1024, -160, 0, 1440, -480, -160,
-400, 0], [1, 0, -18, -144, 189, -12, 180, -36, -180,
-96, 144, 368, -36, 72, 324, -288, 144, 108, 144, 432,
-432, 288, -432, -432, -1728, -1296, 432, 1296, 432,
576], [1, 0, 18, 120, 225, -36, -180, -540, 420, 240,
0, 560, 72, 0, -1440, 720, 0, -180, 144, 720, -1008,
-864, 1008, -480, 2160, -1680, -720, 720, 0, 0], [1,
-3, -3, 15, -90, -18, 0, 30, -60, 0, -60, 80, 48, 120,
360, 240, 240, -720, 24, -432, 288, -312, 432, -300, 0,
-240, 360, -720, 720, 0], [1, -8, -18, 40, 45, 12, 140,
-60, 20, -160, 240, -240, -12, -40, -420, 0, -560, 300,
-16, -432, 48, -32, 432, -80, 960, 1040, 720, 240,
-1200, -960], [1, -15, 3, 285, -270, 54, 0, -1110, 300,

120, 240, 320, -138, -390, 1260, -420, 840, 720, 264,
1080, -288, 1536, -2592, -360, -720, -2880, 720, -1440,
-2880, 5760], [1, -8, 42, 0, 105, -28, -140, -420,
-420, 560, 1120, -560, 168, 0, 0, -1680, 0, 1260, -336,
1008, 1008, -672, -1008, 0, -1680, 1680, 720, -720, 0,
0], [1, -12, 42, -84, -63, 0, 0, 336, 336, 0, -672,
224, 84, -168, 252, -336, -336, 252, -336, 0, -1008,
1344, 0, 672, 0, -672, -288, 1440, -1008, 0], [1, -18,
72, -90, 135, 42, -90, 90, -450, -240, 0, 80, -72,
-180, -540, 1260, 1260, -540, -36, 648, 1188, -1152,
-648, 720, 0, -720, -2160, -2160, 2160, 1440], [1, -26,
168, -210, -105, 98, -770, 210, 630, 560, 1120, -560,
-336, 1260, 1260, -420, -3780, -1260, 924, -504, -2268,
-2688, 4536, -1680, -3360, 5040, 720, 6480, 5040,
-10080], [1, -36, 378, -1260, 945, 168, -2520, 7560,
-2520, 3360, -10080, 2240, -756, 7560, -11340, -15120,
15120, 11340, 3024, -18144, 9072, 24192, -18144,
-10080, 30240, -20160, 25920, -25920, -45360, 40320]]

===== n=10 =====

[[1, 90, 2520, 25200, 75600, 30240, 960, 40320, 403200,
806400, 134400, 1612800, 1612800, 1433600, 10080,
302400, 1814400, 1209600, 1612800, 9676800, 6451200,
3628800, 7257600, 96768, 1935360, 5806080, 7741440,
15482880, 23224320, 18579456, 806400, 9676800, 9676800,
25804800, 38707200, 5529600, 33177600, 44236800,
29030400, 58060800, 103219200, 185794560], [1, 71,
1456, 9240, 11760, -1680, 656, 19040, 105280, 40320,
49280, 250880, -89600, 71680, 5824, 110880, 282240,
-67200, 421120, 483840, -358400, 564480, -403200,
45696, 505344, 290304, 1204224, -860160, 1161216,
-1032192, 295680, 1505280, -537600, 1290240, -2150400,
1443840, 1658880, -2457600, 4515840, -3225600, 5160960,
-10321920], [1, 56, 871, 4290, 7260, 3720, 416, 8360,
33280, 47520, 12680, 32480, 76000, -24320, 2974, 36180,
82440, 87600, 51520, 80640, -22400, -18720, 158400,
17616, 110784, 195264, -39936, 337920, -393984, -64512,
76080, 194880, 456000, -437760, -134400, 176640,

276480, -153600, -149760, 1267200, -1751040, -645120],
[1, 53, 700, 1680, -3360, -1680, 422, 7196, 7000,
-35280, 14000, -11200, -29120, -8960, 3052, 27720,
-35280, -36960, 68320, -181440, 44800, 20160, -40320,
18480, 57792, -181440, 43008, -86016, -145152, 129024,
84000, -67200, -174720, -161280, 268800, 234240,
-622080, 307200, 161280, -322560, -645120, 1290240],
[1, 45, 585, 2805, 3960, -900, 240, 3960, 20520, 18480,
3000, 43920, 14400, 42560, 1170, 11430, 38880, -21960,
-2160, 128160, 132480, -34560, -47520, 3888, 27360,
43200, 8640, 63360, -51840, -13824, 840, 57600,
-119520, 216960, -28800, -66240, 86400, 437760,
-276480, -380160, -230400, -138240], [1, 40, 375, 770,
540, -120, 240, 2360, 1280, 1120, 1000, -9120, -10400,
-8960, 1310, 5620, 3720, -2640, -8640, -2560, -30080,
-11040, -2880, 5168, 2880, 18240, -43520, -46080,
34560, 9216, 10160, -4800, -12480, -28160, 19200,
-15360, 76800, -92160, -88320, -23040, 153600, 92160],
[1, 36, 207, -870, -2340, 360, 252, 1620, -8640, -2640,
3120, -5760, 14400, 12800, 1386, 180, -29160, 7920,
5760, 14400, 23040, -4320, 8640, 5832, -22176, -19872,
10368, 57600, 31104, -27648, 14640, -83520, 37440,
99840, -57600, 5760, -34560, 46080, -34560, 69120,
138240, -276480], [1, 38, 466, 2112, 2553, 2082, 128,
2672, 13408, 7056, 4400, 27008, -5648, 12544, 148,
4752, 14940, 31800, 26176, 43488, -8864, 45324, 98136,
-1824, -1536, -23328, 63744, -87168, 153792, -5760,
-14784, -43872, 48480, 61056, 276288, -51456, -203904,
-201984, -69840, -79776, -85248, -57600], [1, 31, 249,
635, -324, -228, 114, 992, 3062, -4172, -80, 5784,
-608, 2128, 302, 1210, -1356, -2640, -2916, -12568,
-12224, -6504, -10224, -88, 3672, -14592, 13792, 6912,
-21600, 2304, -5320, 9888, 4800, 16480, -39552, -15504,
-19104, -13824, 14496, 51264, 22272, 23040], [1, 28,
171, 482, 1548, 1032, 108, 212, 128, 5296, -1880,
-7392, 6112, -2816, 398, 172, 5160, 10320, -8064,
-21952, 9856, 2784, -10944, 536, -96, 6432, -8576,
-768, 1152, 0, -1984, 2688, 19200, -11264, -10752,

-3456, -40704, 39936, 38400, -55296, 33792, 0], [1, 25, 75, -265, -360, -300, 120, 80, -1600, -1760, -620, -480, -560, -1280, 440, -920, 1200, -2640, -2160, 5600, 5440, 6240, 8640, 728, -2640, -1920, 160, 4800, 5760, -2304, -1420, 8880, -7440, -12800, 16320, -4800, 7680, 3840, 18240, 5760, -30720, -23040], [1, 20, -65, -870, 540, 360, 140, -220, -2240, 6000, 1520, 7040, -2240, 2560, 490, -4140, -360, 2160, 4480, 2880, -12800, -4320, -14400, 1128, -11040, 15840, 21120, -19200, -28800, 9216, 240, -2880, 2880, 7680, -11520, -1920, 11520, -15360, 11520, -23040, -46080, 92160], [1, 35, 430, 1770, 3165, -2265, 80, 2480, 8080, 22320, 6800, -1120, 50800, -37760, -260, 3420, 10620, -37140, 48160, 30240, -66080, 98460, -109980, -3552, -18240, 56160, 32640, 297600, 319680, 395136, -14640, -117600, -83280, -236160, -285600, -24960, -86400, -72960, -43920, -48240, -57600, -40320], [1, 26, 214, 420, 141, -78, 44, 932, 412, -252, 2120, -3856, -3848, -2912, -188, 720, -396, -960, 9784, -4968, 7216, 9036, -3384, -1608, -4848, 4968, -3648, -15168, -10800, -35136, -3840, -12192, 960, -15840, -11712, 96, 25056, 34176, 2736, 15264, 9792, 11520], [1, 21, 129, 405, 456, -228, 24, 72, 912, 3168, -480, 504, 3312, -352, -78, -570, -2736, -2280, -2016, 4032, -1344, -6624, 5856, -528, -768, 1728, -288, 5952, -9600, -5376, -360, -9072, -7680, -960, 16128, 7296, -384, -13824, 10176, -1536, 6912, 0], [1, 18, 54, -132, -675, 162, 36, 108, -396, -948, 24, -144, -504, -160, -36, 144, -2916, 1728, 360, -504, 1296, -2916, 72, -504, 2736, 1944, 1728, -576, 2736, 9792, -1056, 1152, 2304, -1824, 2880, 2592, 8352, 1152, -3600, -12384, -5184, -6912], [1, 15, 15, 105, 300, -60, 30, -360, -210, -60, -840, -1620, -2520, 1760, 60, 120, 1260, -600, 360, 720, -960, 2160, -960, -192, 840, 1440, -360, -2640, 2400, 2496, -60, -3240, 480, 9120, -5760, 3720, -2640, 0, -5280, 9600, -8640, 0], [1, 11, -65, -195, -108, 36, 50, -256, 514, 60, 80, 1172, 2296, -608, 76, -360, 612, 216, 1312, 2016, -1280, 864, -1440, -168, 1056, -3600, -4152, 1104, -288, -6336,

-300, 1656, 288, -1824, -1152, 1752, -2736, -1536,
-6624, -2304, 10944, 9216], [1, 5, -155, -15, 1080,
-180, 80, -280, 1720, -1200, 1640, -1120, -3680, -1280,
70, -2430, 2880, -1080, 1360, -15840, 6400, -8640,
7200, 48, 480, 2880, 3840, 3840, 5760, 9216, -120,
1440, -1440, -3840, 5760, 960, -5760, 7680, -5760,
11520, 23040, -46080], [1, 18, 126, 252, 693, 882, -12,
252, -252, -1764, 840, 1008, -3528, 224, -252, -1008,
3780, 5040, -504, 13608, -3024, -756, 9576, -504,
-7056, -13608, -12096, 4032, -11088, 20160, 2016, 6048,
-10080, 2016, -24192, 3744, 4896, 3456, 5040, -2016,
4032, 0], [1, 15, 60, -240, 75, -375, 0, 360, -1920,
-120, 1020, -3240, 3060, 2720, -210, 390, 2970, -1950,
720, -5760, -1320, 720, -3120, -552, -1680, 1800,
-5760, 3840, -5520, 3936, 780, 9720, 4260, 15840,
15480, -960, -7680, -14400, -960, -4800, -2880, -4320],
[1, 15, 105, 315, -420, -420, -30, 0, 2310, -1260, 0,
7560, 0, 7280, -210, -2310, -1260, -1680, -3780, -2520,
13440, 2520, -11760, 168, -4200, 0, -10080, -13440,
16800, 5376, 2520, 0, 13440, -23520, 0, 4080, 2400,
-11520, 3360, 6720, 0, 0], [1, 10, 30, 20, 5, -30, -20,
-60, -100, -220, -40, 240, -120, -1760, -100, -240,
300, -80, -520, 600, -1520, -420, -920, 88, -240, -120,
2880, 320, 3600, -3264, 960, 960, 1120, 800, 640, -800,
-1440, 4480, -2320, -480, -2240, 0], [1, 6, -30, -240,
57, 66, 0, 144, -336, 960, 120, 432, -504, 992, -84,
480, -108, -24, -1008, -144, 1200, -36, 1560, -48,
1056, 720, 288, -1056, 2112, -1536, 240, -864, -2832,
-3744, -5472, -1248, -3936, -576, 1776, 5856, 2304,
3456], [1, 6, 6, 240, 525, 570, -24, -360, -840, -600,
-120, 0, 1800, 1760, 24, 480, -1440, -240, 1440, -5760,
2640, 540, -2760, 96, -96, -2016, 3744, 2400, 96,
-2112, 480, 2160, -4560, -5280, 7200, -2400, 11040,
-8640, -3840, 3840, 0, 0], [1, 3, -33, 69, -156, -156,
-6, -144, 138, -276, -96, 324, 216, 32, 12, 600, 468,
312, 432, -576, 384, 0, 1824, -24, -912, 720, 360,
-240, -4128, 2112, 372, -1224, 672, -1440, -1152,
-1416, 912, 0, 1824, -3840, 4032, 0], [1, -2, -78, 104,

9, 114, 24, 56, 488, 424, 184, -336, -824, -608, -28,
160, -1572, -408, -768, 1184, -656, 1020, -2376, -64,
-192, -480, -1760, 480, -288, 1152, 272, 96, 912, 4000,
5088, -1056, 1632, 960, 3984, 1440, -6528, -5760], [1,
-9, -99, 615, -180, -180, 66, 0, -450, -2460, 1080,
-5040, 3600, 3200, -126, -1170, 1620, 1440, -2700,
6840, -1440, -1080, 2160, 216, 2664, 864, 5184, -2880,
7776, -6912, -120, -3600, -1440, -3840, -14400, -720,
4320, -5760, 4320, -8640, -17280, 34560], [1, 6, 42, 0,
-735, 210, -48, 0, 1680, 0, 0, 0, 0, 2240, -84, -1680,
-1260, 840, 0, -10080, -6720, 6300, 5880, 672, 1344,
6048, -4032, 6720, -5376, -2688, 0, 0, -6720, 6720, 0,
-960, 960, 5760, -1680, -3360, 0, 0], [1, 3, 30, 90,
285, -345, -48, -144, -240, 2160, 240, -1440, 720,
-640, 12, -660, -3060, 60, 1440, 1440, 2400, 1260,
2580, 480, 2112, -4320, -1152, -7296, -2112, 6144,
-720, 4320, 1680, 1920, -7200, -1920, 1920, 0, -1200,
1200, 0, 0], [1, 0, 0, -90, -45, 90, -30, 90, 270,
-450, -60, -720, -180, -280, 0, -180, 1080, -180, 360,
2160, 1800, -540, -1800, 288, 360, 0, 0, 720, -2520,
576, -720, -2160, 360, 360, 2160, 360, -360, -4320,
1440, 720, 1440, 0], [1, -5, -30, -130, 585, -165, 0,
320, -160, -800, -320, 960, 640, 640, -40, 40, -240,
240, -480, -2080, -3200, 1020, 900, 128, 0, -1920, 640,
0, 0, 576, -640, -1920, 1920, -1280, 1920, 1920, 7680,
5760, -1920, -5760, -1920, -2880], [1, -4, 16, 90, 75,
-30, -34, -130, -590, -150, 380, 800, -1100, 760, 124,
180, -540, 60, 40, 1440, -2360, -1260, -360, -24, 264,
1224, -2496, 3120, 3096, -2592, -720, 960, 840, -2280,
1200, 600, -3960, 3360, 2160, -2160, 0, 0], [1, -8, 0,
14, -189, 42, -6, 98, 182, 406, -140, -336, 700, -56,
56, 28, 336, -84, 168, -1456, -56, -924, 504, -112,
-1176, -336, 448, -2352, 3528, 0, -112, 1680, -1176,
1288, -1680, 1224, 120, 1056, -1344, 3024, -3360, 0],
[1, -14, 6, 140, 45, -30, 36, 140, -700, -260, -320,
960, -800, -800, -76, -320, -780, 240, 600, 440, 2560,
1020, 360, 56, 144, 2184, 64, 2880, -3024, -1152, 80,
2400, -240, 160, -2400, 480, -5280, -5760, -4080,

```

-1440, 6720, 5760], [1, -22, 70, 420, -1155, 210, 92,
-364, -2660, 3780, 560, 2240, -560, 1120, -308, 0,
6300, -1680, -1400, -2520, -5600, 1260, -2520, 840,
2352, -7560, 2688, -5376, -9072, 8064, -1680, -6720,
1680, -10080, 16800, 2400, 4320, 19200, -5040, 10080,
20160, -40320], [1, -10, 70, 0, 525, 1050, -40, -280,
-1400, -4200, 1400, 5600, 7000, -5600, 280, 0, 0,
-8400, -5600, 0, 2800, 6300, 12600, -672, 3360, 10080,
-3360, -23520, -10080, 12096, 0, -8400, 8400, 16800,
-16800, 2400, -7200, 4800, 0, 0, 0, 0], [1, -13, 70,
-126, 21, -273, -16, -112, 112, 336, 560, 224, -560,
-896, 196, -252, 756, 2436, -2912, -2016, 2464, 3276,
-3276, -672, 1344, -2016, 2688, 2688, -4032, 0, 1008,
-3360, -3696, 2688, 3360, 384, 5760, -6144, -3024,
3024, 0, 0], [1, -18, 90, -216, 81, 162, 24, -72, 792,
216, -240, -2016, -720, 1664, 36, -432, -324, -1944,
1008, 3024, -2016, -324, 1944, -432, 864, -1296, 1728,
1728, -2592, 0, 1728, 0, 5184, -6912, 0, -3456, 0,
3456, 1296, -7776, 5760, 0], [1, -25, 160, -300, 375,
-195, 80, -520, 400, -1800, -100, 1400, 2500, -800,
-230, 450, -450, 2550, 2800, 0, -1400, -3600, -3600,
408, 1200, 3240, -7680, -7680, 6480, 2016, 300, -4200,
-7500, 7200, 4200, -4800, 0, 4800, 14400, 14400,
-14400, -10080], [1, -34, 322, -840, 105, 210, 152,
-1960, 3640, 2520, 2240, -1120, -5600, -2240, -644,
5040, -1260, -4200, -7280, -15120, 11200, 1260, 12600,
2352, -8736, -9072, 2688, 26880, 18144, -16128, -6720,
3360, 16800, 20160, -33600, 12480, 25920, -38400,
-5040, -50400, -40320, 80640], [1, -45, 630, -3150,
4725, -945, 240, -5040, 25200, -25200, 8400, -50400,
25200, 22400, -1260, 18900, -56700, 18900, -50400,
151200, -50400, 56700, -56700, 6048, -60480, 90720,
120960, -120960, -181440, 72576, -25200, 151200,
-75600, -201600, 151200, 86400, -259200, 172800,
-226800, 226800, 403200, -362880]]

```

===== n=11 =====

```
[[1, 110, 3960, 55440, 277200, 332640, 1320, 73920,
```

1108800, 4435200, 2217600, 295680, 5913600, 17740800,
7884800, 15769600, 15840, 665280, 6652800, 13305600,
4435200, 53222400, 53222400, 70963200, 13305600,
79833600, 106444800, 177408, 5322240, 31933440,
21288960, 28385280, 170311680, 113541120, 127733760,
255467520, 204374016, 1774080, 35481600, 106444800,
141926400, 283852800, 425779200, 681246720, 15206400,
182476800, 182476800, 486604800, 729907200, 106444800,
638668800, 851558400, 567705600, 1135411200,
2043740160, 3715891200], [1, 89, 2448, 23688, 65520,
15120, 942, 38640, 367920, 624960, -110880, 126336,
1397760, 806400, 1111040, -788480, 9792, 284256,
1572480, 604800, 1471680, 7499520, -2661120, 3225600,
3144960, 3628800, -5322240, 92736, 1766016, 4499712,
-1064448, 6709248, 7741440, -5677056, 17998848,
-12773376, 9289728, 758016, 8386560, 4838400, 19998720,
-14192640, 19353600, -34062336, 5045760, 25712640,
-9123840, 22118400, -36495360, 25159680, 29030400,
-42577920, 79994880, -56770560, 92897280, -185794560],
[1, 72, 1547, 11550, 29820, 29400, 636, 19124, 129920,
253680, 174720, 43512, 274400, 482720, -31360, 277760,
5542, 111468, 444360, 633360, 338800, 873600, 2022720,
-963200, 346080, 544320, -295680, 42280, 515088,
1175328, 1243200, 738304, 1161216, -315392, -508032,
4499712, -2774016, 261072, 1646400, 2896320, -564480,
4999680, -5779200, -1892352, 1161600, 2995200, 6935040,
-6604800, -2027520, 2768640, 4354560, -2365440,
-2257920, 19998720, -27740160, -10321920], [1, 69,
1328, 6888, -1680, -18480, 642, 17360, 71120, -114240,
-77280, 45696, 143360, -448000, 35840, -71680, 5632,
96096, 94080, -470400, 374080, -295680, -779520,
-358400, 456960, -1209600, 591360, 43456, 395136,
-499968, -526848, 974848, -2580480, 630784, 580608,
-1161216, -1032192, 274176, 860160, -2688000, 645120,
-1290240, -2150400, 3784704, 1282560, -1013760,
-2672640, -2457600, 4055040, 3655680, -9676800,
4730880, 2580480, -5160960, -10321920, 20643840], [1,
59, 1053, 7143, 18120, 5220, 402, 9660, 66870, 149160,

-20280, 12936, 148560, 360000, 124640, 281920, 2682,
41346, 190080, 117000, 37980, 627120, -58320, 950400,
-109440, 151200, 740160, 14616, 143496, 486432,
-268128, -21312, 1595520, 1638144, -844992, -1161216,
-317952, 51096, 360960, 568800, 121920, 831360,
-662400, -354816, 16560, 786240, -1563840, 2880000,
-380160, -875520, 1209600, 5921280, -3755520, -5160960,
-3179520, -1935360], [1, 54, 773, 3018, 2820, 1320,
402, 7190, 17420, 6360, -8880, 10176, -15040, -25600,
-60160, -90880, 2842, 28956, 27480, 37200, 32080,
-115680, -145920, -185600, -25440, 129600, -157440,
16396, 70776, 46512, -32928, -106112, -34560, -375296,
-274752, -72576, 211968, 67536, 39360, 235200, -564480,
-599040, 441600, 236544, 137760, -63360, -167040,
-384000, 253440, -203520, 1036800, -1259520, -1221120,
-322560, 2119680, 1290240], [1, 50, 549, -294, -9660,
-2520, 414, 5922, -11340, -66360, 18480, 13776, -26880,
20160, 35840, 98560, 2934, 17892, -113400, -55440,
65520, -231840, 241920, 322560, 10080, -60480, 80640,
17388, 2520, -365904, 98784, 72576, 177408, 290304,
-108864, 217728, 193536, 76272, -288960, -262080,
134400, 752640, 403200, -709632, 197280, -1123200,
501120, 1336320, -760320, 80640, -483840, 645120,
-483840, 967680, 1935360, -3870720], [1, 50, 810, 5280,
11505, 9270, 240, 5880, 45000, 64920, 46680, 8400,
124800, 29520, 137600, -127040, 900, 16560, 91260,
104040, 39600, 432720, 259200, 548640, 44460, 413640,
649440, 1008, 28800, 23760, 234720, 149760, -270720,
-570240, 375840, 907200, -100224, -18240, -6240,
-234720, 692160, -913920, 1644480, -126720, -158400,
-457920, 535680, 702720, 3041280, -570960, -2250720,
-2217600, -800640, -910080, -1002240, -691200], [1, 43,
509, 2039, 1544, -3036, 226, 3164, 12646, -152, -5624,
1288, 22096, -17856, 20448, -4288, 1082, 8034, 17536,
-53880, -12228, 36912, -35920, -3968, -40576, -137568,
-166592, 3416, 17096, 7968, -13920, -11072, -16256,
-51456, -50880, -43008, 26112, -488, 41472, -160800,
150080, 72576, -238464, 50688, -58832, 111936, 50496,

184832, -447744, -178176, -221952, -161280, 164352,
589824, 261120, 276480], [1, 40, 395, 1310, 4220, 6360,
220, 1940, 1600, 20080, 27520, -1640, -29600, -4320,
-28800, 16640, 1190, 5100, 16840, 57360, -22800,
-78720, 84800, -64640, -9760, -85440, 21760, 4328,
2960, 60960, 114240, -81920, -204800, 122880, 78720,
-188160, 39936, 6160, -960, 73920, -98560, -7680,
11520, 0, -22400, 30720, 222720, -133120, -122880,
-42240, -468480, 460800, 445440, -645120, 399360, 0],
[1, 37, 263, -229, -1600, -1740, 232, 1580, -5360,
-6560, -7520, 724, -12320, -7920, -5760, 7040, 1244,
1824, -9920, -11760, -7020, 27120, -400, -6080, 1760,
64320, 76480, 4700, -11572, 1632, -35376, -32672, 3520,
20736, 90816, 100416, -36096, 8308, -30000, -21840,
1280, 53760, 66240, -50688, -15920, 99840, -85440,
-144640, 188160, -56640, 90240, 46080, 215040, 69120,
-360960, -276480], [1, 32, 63, -1914, -2100, 3960, 252,
900, -12960, 14640, 7680, 4704, 7680, 46080, 35840,
-28160, 1314, -5436, -42120, 48240, 13680, 40320,
-43200, 11520, -15840, -60480, -126720, 5400, -42192,
11232, 33984, 62208, 115200, -82944, -31104, -186624,
-55296, 12768, -124800, 178560, 238080, -215040,
-322560, 202752, 2880, -34560, 34560, 92160, -138240,
-23040, 138240, -184320, 138240, -276480, -552960,
1105920], [1, 45, 710, 4350, 10245, 4065, 150, 4760,
31100, 71880, -330, 11760, 58400, 182480, -40000,
165440, -20, 9300, 48540, 51060, 95800, 210480, 112200,
-345440, 242940, 177660, -616440, -4592, -22320, 43920,
-92400, 188800, 708480, 330880, 1205280, 332640,
1673856, -32400, -267360, -37680, -308160, 918720,
604320, 2808960, -112800, -866880, -586080, -1662720,
-1932480, -218640, -740880, -607200, -408960, -443520,
-558720, -403200], [1, 36, 404, 1542, 795, 1122, 114,
2114, 8222, -5934, -4812, 3192, 13472, -29560, 5216,
-4624, 88, 3036, 3396, 22224, 17284, -14916, -39000,
-30512, 24132, 56808, -1056, -1820, -2448, -35460,
-14424, 41344, -153792, 23584, 17496, -130032, -176832,
-12528, -23712, 87168, 35280, -4032, 98880, -289344,

-33744, -106128, 7488, -138624, -107712, -1776, 216864,
295680, 23904, 142272, 94464, 115200], [1, 31, 269,
1067, 1880, 852, 94, 644, 3562, 9496, -1352, -1568, -8,
32400, -1584, 12896, 218, 186, -1664, 7464, -10236,
-36816, 27920, -16832, -15808, -27552, 26944, -280,
1592, -8160, -24864, 5344, 50368, -41856, -56064,
29568, -22272, -4568, -4272, 23808, 6560, 74688,
-57600, -48384, -3824, -83328, -69312, -8704, 146688,
66624, -5376, -126720, 96384, -16128, 67584, 0], [1,
28, 164, 14, -1861, -606, 106, 554, 166, -10502, 2596,
-392, 4096, -5976, 288, -4048, 272, 204, -5204, -5280,
-2988, -8628, 2120, -7088, -4396, 1032, 13408, -124,
4016, -15972, 16680, 14848, 28864, 21024, -10920,
23952, 52032, -4688, 19392, 1920, -3760, -43584,
-33984, 82368, -9872, 10416, 21696, -16768, 27456,
24144, 79008, 11520, -32928, -115776, -49920, -69120],
[1, 25, 95, 95, 1040, 420, 100, -220, -1700, 1360,
-2960, -2060, -8000, -5040, 0, -8320, 380, -480, 6880,
5520, -5100, -7440, -24400, 32320, 13280, 6720, -15680,
428, -1300, 6240, -3120, -5600, 1600, 3840, 18240,
10560, 5376, -1820, 6480, 9840, -8320, -34560, 8640,
23040, -800, -29760, 3840, 85760, -53760, 35520,
-24960, 0, -49920, 92160, -84480, 0], [1, 21, -25,
-693, -384, -396, 120, -244, -1696, 1440, 2400, 84,
5216, 7184, -2176, 7040, 412, -2400, 2496, -5616, 1492,
18672, 17520, -6080, 7392, 2880, -10560, 604, -5364,
-1440, 720, 3424, -5184, -18176, -12096, -40896,
-29952, -1356, 13008, -22608, -23808, 38400, 38592,
-50688, -2928, 16128, 2880, -17664, -11520, 17088,
-26496, -15360, -64512, -23040, 105984, 92160], [1, 15,
-175, -945, 3000, 900, 150, -460, -550, 12600, -6600,
3480, 10400, -32800, 3200, -6400, 430, -7170, 4800,
5400, 7900, -37200, -22800, -32000, -24000, -36000,
52800, 1048, -14040, 50400, -10080, 44800, -80640,
56320, -60480, 126720, 101376, 120, -2400, 7200, 9600,
-19200, -28800, 46080, -1200, 14400, -14400, -38400,
57600, 9600, -57600, 76800, -57600, 115200, 230400,
-460800], [1, 33, 374, 1254, 1749, -3531, 66, 2024,

3476, 12408, 66, 5808, -13024, 24464, -37312, -33088,
-308, 2244, 3036, -54780, 38632, -5808, -22440, -10208,
69564, -167508, 123288, -3344, -17424, 58608, 18480,
1408, 215424, -66176, 142560, -66528, 139392, -11088,
-87648, -92400, -221760, -183744, -463584, -561792,
-7392, 69696, 117216, 244992, 386496, -8976, 90288,
121440, 12672, 88704, 63360, 80640], [1, 26, 234, 792,
1665, 1782, 24, 624, 1152, 4176, 6408, 1272, -1488,
-6840, -4384, -5984, -252, -864, -324, 4104, 3744,
26784, 8640, 2448, -3348, 52488, -25056, -1440, -10368,
-12960, 12096, -17856, 1728, 16704, -57024, 96768,
-50112, -1008, -18432, -69552, -20160, -38592, -38880,
72576, 12096, 41472, -50112, 38016, -93312, 24624,
26784, 17280, 36864, -16128, 31104, 0], [1, 23, 144,
-96, -921, -711, 36, 684, -1944, -2892, -2004, 1788,
-7224, -1116, 848, 8272, -198, 774, -1674, -630, 7092,
-17568, 7020, 19512, 3384, -19008, -5112, -1404, -1044,
14148, -5220, -6912, -26496, -3456, -16200, -9288,
-23328, -2388, 3432, 28980, 4080, 44016, 40536, 102528,
2448, 38016, 5616, 38592, 12096, -4896, -41472, -84960,
-6048, -33696, -21600, -34560], [1, 23, 189, 819, 504,
-3276, 6, 84, 3906, 8568, -5544, -672, 11256, 23184,
13328, 25312, -198, -2646, -8064, -22680, -7308, 9072,
-45360, 44352, -12096, -6048, -4032, -504, -5544, 6048,
10080, -14112, -12096, 88704, 0, -56448, -16128, 1512,
-21168, 0, -50400, -108864, 112896, 16128, 16848, 3456,
92736, -142848, 20736, 28224, 16128, -80640, 24192,
48384, 0, 0], [1, 18, 74, 144, -31, -266, 16, -136,
-104, 968, -104, -632, -944, -2856, -1792, -5408, -68,
-256, -2444, -1480, -928, 4992, 1920, -7888, -4836,
3752, 1568, -384, 1696, 5568, -320, 4928, 2944, -12736,
5920, -14528, 8512, 112, -5728, -1360, 10720, 15616,
21856, -10112, 6368, 3616, 4736, -2048, -8064, -5136,
-9952, 31360, -16768, -2816, -17280, 0], [1, 14, -18,
-420, -867, 990, 36, 36, -324, 348, 48, 168, 1632,
3096, 848, 3232, -36, 288, -3132, 6984, 288, 1872,
-4320, 5904, -2772, 2376, -3168, -432, 4464, -432,
-2304, -1728, -3168, 6912, 9072, 9504, 10368, -768,

1920, -2448, -14064, -16032, -15840, -42624, 2448,
3024, -11232, -2880, -3456, -8784, -28512, -4608,
12096, 41472, 17280, 27648], [1, 14, 18, 348, 1425,
2070, 12, -660, -1260, -1500, 6720, -1224, -3600,
-9000, 9680, 14560, 72, 576, 720, -5040, 2160, -10080,
-12960, 5040, 5580, -18360, 7200, -144, 1296, 432,
6912, 4608, -7200, 8064, 8208, -22176, 7488, 336,
-4080, -16560, 18960, 23520, -7200, -14976, 3600,
15120, -33120, -37440, 51840, -17280, 80640, -63360,
-28800, 28800, 0, 0], [1, 11, -45, -3, -24, -756, 30,
-444, 414, -600, -1560, -576, 36, 504, 1904, 640, 72,
360, 2736, 144, 1872, 3312, 8640, -5760, 3312, 0, 0,
-216, 576, -2160, -1440, -4536, -5904, 5184, -5616,
15264, -4032, 84, -3432, 5472, 8592, -11040, -27648,
6912, 2952, -6912, 7200, -5184, 0, -10512, 6624, 0,
13248, -28800, 31104, 0], [1, 6, -130, -108, 381, 414,
60, -244, 1844, 180, 960, 744, 896, 2264, -3856, -4960,
52, -960, 156, -2376, 1312, -4368, -12000, 400, -1428,
-6840, 5280, -176, 1296, -7920, 2880, -7616, 13536,
-4736, 3024, -10656, -12672, -96, 3648, 3312, 1392,
11040, 25632, 35712, 1392, -7632, -1440, 8256, 5760,
-8112, 12384, 7680, 30528, 11520, -49536, -46080], [1,
-1, -207, 543, 2040, -1980, 102, -300, 2250, -9480,
120, 3096, -10080, -7200, 3200, 14080, -18, -4194,
8640, -360, -900, -35280, 36720, 34560, -20160, 56160,
-31680, 216, 3816, 11232, -3168, 16128, 11520, -9216,
36288, -20736, 27648, -264, -2400, -15840, -21120,
-19200, -28800, -101376, 720, -8640, 8640, 23040,
-34560, -5760, 34560, -46080, 34560, -69120, -138240,
276480], [1, 20, 180, 630, 315, 1890, -30, 210, 3150,
-8190, -1260, 840, 16800, -17640, 22400, -20720, -360,
-3780, 3780, 15120, -6300, 26460, 37800, 65520, 3780,
-22680, 90720, -252, -15120, -34020, -22680, -40320,
-60480, -70560, 22680, -105840, 133056, 5040, 10080,
30240, -65520, 80640, -120960, 60480, 10800, 19440,
8640, -51840, -77760, 15120, 30240, 0, 10080, 20160, 0,
0], [1, 15, 80, 0, 455, 385, -20, 140, -1400, -2380,
-1820, 700, -1400, 420, -2800, 6160, -230, -490, 5110,

3290, -700, 6720, -10500, -18760, -840, 2240, -10360,
-252, -4340, -9660, 700, -4480, 17920, 8960, -3080,
-9800, 19936, 2380, 13160, 980, 22960, -3920, 280,
-35840, -400, -9920, 14480, 3520, 46080, -3360, -17920,
-5600, -7840, 1120, -10080, 0], [1, 11, 0, -528, 231,
-891, 0, 396, -2376, 3300, 2640, 924, -2904, 7524,
8624, -9680, -198, 990, 3366, -7326, -1188, -11088,
5940, 3960, 792, 0, 11880, -396, 396, 5940, 1980,
-6336, 6336, -6336, -2376, 13464, 3168, 924, 9768,
-5148, 15312, -18480, 16632, -19008, -3168, -28512,
-15840, -57024, -47520, 3168, 25344, 47520, 3168,
15840, 9504, 17280], [1, 12, 68, 126, -805, -350, -38,
-70, 1750, -1750, 1540, -56, 4480, -840, 2240, -560,
-176, -1876, -980, -1120, -2380, -12180, 840, -6160,
5460, -10360, -21280, 420, -1232, 6972, 3304, -1792,
-2240, -2464, 19096, 38416, -21056, 2128, 2240, 12320,
-7280, 4480, 4480, -18368, -400, -2000, -22720, 27520,
14400, -5040, -1120, 17920, -7840, -15680, 0, 0], [1,
9, 38, 198, 725, 445, -38, -280, -860, 1400, -230, 16,
-800, 6000, -3520, -2240, -68, -364, -3380, -940, 1160,
-4080, 11640, 4640, 780, -5860, 3800, 336, 976, -8688,
-7088, 7808, -10880, 7424, 7648, 2464, -8192, 976,
7520, -1360, -2240, -25280, 4000, 16384, -4000, 13120,
8480, 2560, -20160, -8880, 10640, -1760, -6400, 6400,
0, 0], [1, 6, -10, -108, -139, -146, -20, -4, 4, -220,
160, -56, 256, -1416, -1936, 1120, -68, 320, 1636, 104,
-448, 2832, -2400, 3920, -948, 1160, 6560, 144, 16,
1680, 1600, 3584, -224, -256, -1136, -4256, -6272, 544,
-2752, -208, -4688, 4000, -8288, 11392, -2128, -6032,
-2080, 1216, -5760, 1968, 3104, -12800, 6848, 2560,
8064, 0], [1, 1, -70, -238, 641, 249, 10, 296, -116,
1960, -1070, 64, 1216, -3456, 2304, 320, -88, 600,
-2144, -816, -2208, -1248, 2960, -5120, 2012, 2220,
-10760, -16, 1136, -1680, -1680, -896, -3584, -576,
4704, -2976, -2112, 64, -3072, -5568, -4288, 7680,
-4608, 9792, -1088, 3648, 12480, 16256, 24000, 5568,
17664, 2880, -7872, -25920, -10176, -17280], [1, 2,
-18, 240, 165, 270, -24, -336, -720, -1680, -1560, 72,

1440, 1800, 3200, -2240, 72, 1008, -720, 1440, 1440,
-5760, -4320, 720, -900, 3240, -4320, 0, -1152, 1728,
2880, 864, 13536, -6912, -6912, 4032, -576, 192, 240,
-3600, -13440, 10560, 12960, -6912, -2880, 8640, 2880,
-8640, 0, 2880, -20160, 17280, 11520, -11520, 0, 0],
[1, -2, -58, 140, -427, -210, 4, -28, 700, 700, 1456,
-56, -224, 504, -1008, 224, 20, 672, -644, -168, 0,
-1680, 1568, -560, 140, 2184, -2912, -112, -2128, 336,
-2688, -896, -6944, 2688, -4368, -4704, 13440, 448, 0,
2352, 5264, -6048, 6048, -8064, -1520, 4944, -2784,
6464, 4992, 5712, -3360, 0, -6720, 16128, -18816, 0],
[1, -8, -88, 410, -25, 330, 46, 134, 10, -1010, -1700,
352, -2240, -2160, -720, 1760, -88, -372, -3260, 480,
-1740, 9660, 1160, 2080, 2660, -10200, 9760, 20, 848,
2748, 3720, -896, 7936, -1152, 168, 13872, -7296, 352,
960, 2640, 9680, -2400, 1440, -12672, -1520, -240,
-4800, -21760, -27840, 6000, -9120, -5760, -22560,
-8640, 36480, 34560], [1, -16, -72, 1218, -1785, -630,
102, -210, -3150, -2730, 4620, 2016, -10080, 25200,
14000, -12320, -288, -1764, 11340, 5040, -6300, 21420,
-22680, -30240, -1260, 7560, -10080, 756, 7056, -9828,
-8568, 16128, -40320, 8064, 13608, -27216, -24192,
-1344, -16800, -5040, -31920, 16800, -50400, 88704,
720, 23760, 8640, 23040, 95040, 5040, -30240, 40320,
-30240, 60480, 120960, -241920], [1, 5, 54, 126, -315,
-1575, -66, -168, 1260, 7560, -1890, 336, -3360, 5040,
2240, 11200, -36, -2268, -8820, 3780, 2520, -15120,
-22680, -10080, 11340, 41580, 27720, 1008, 5040, -3024,
13104, -8064, -24192, -32256, -18144, -14112, 32256,
-1008, 10080, -15120, 20160, 20160, -50400, 16128,
-4320, 8640, -1440, 23040, -25920, -5040, -5040, 10080,
0, 0, 0, 0], [1, 2, 18, -144, -855, 1350, -48, 120,
1800, -1800, -360, -96, -1920, -1440, 2240, -4160, -36,
-1296, 1620, 1080, 720, -6480, 8640, -5760, 4860, 3240,
4320, 720, 1728, 9072, -7776, -4032, 25920, 14976,
-18144, -22464, -3456, -1152, -5760, -17280, 11520,
-11520, 17280, 6912, 0, 0, 17280, -17280, 0, 2160,
-4320, -17280, 5760, 11520, 0, 0], [1, -1, 18, 18, 225,

-405, -48, -60, -360, 900, 720, 336, -1200, -3600, 80,
-2240, 72, -324, -1080, -540, 1260, 9720, 540, 5040,
-1620, -4860, -10800, 396, 1836, -2268, -108, -4032, 0,
5904, -2592, 3024, 6048, -1584, 720, 8640, -1440, 7920,
0, -14256, 0, -6480, -4320, -8640, 19440, 4320, -2160,
-2160, 3600, -3600, 0, 0], [1, -5, -10, -130, 125, 195,
-20, 260, 400, -1100, -500, -320, -800, 3600, 0, 2000,
20, -120, 1900, -600, 300, -600, -1300, 400, -1300,
-3900, 400, 188, -820, -2940, 1380, 1120, -6560, -8880,
1680, 9120, 3936, -1040, -2400, 1200, 2000, -4800,
7200, -2160, 2800, 8400, -1200, -1600, -8400, -1200,
2400, 18000, -6000, -3600, -6720, 0], [1, -11, -22,
-22, 1265, -1155, 22, 440, -1100, -3080, 1870, -704,
3520, 0, 0, -3520, -88, -264, -1760, 2640, 0, -5280,
-880, -7040, 3740, 7260, 10120, 176, 176, -528, -528,
1408, 14080, 14784, -7392, -11616, -2112, -704, 0,
10560, -3520, 0, 0, -6336, 3520, 10560, -10560, 7040,
-10560, -10560, -42240, -31680, 10560, 31680, 10560,
17280], [1, -6, 38, 168, 525, 1470, -48, -280, -1960,
-4200, 2520, 1176, 5600, 1400, -1120, 8960, 232, 336,
-1680, -13440, -2240, 6720, -3360, -17360, -420, 17640,
16800, -224, 2016, 14112, -9408, -9632, -10080, -14336,
6048, 8064, -4032, -1344, -1680, 21840, 3360, -26880,
-16800, 21504, 2400, -24480, 17280, 39360, -34560,
6720, -20160, 13440, 0, 0, 0, 0], [1, -9, 26, 42, -231,
-357, -24, -28, -280, 1092, -504, 336, 560, -1456, 560,
224, 160, 84, 336, 3948, -980, -2856, 2940, -5264,
-1428, -4284, 5712, -308, -756, -252, 1428, -896, 4032,
3472, 12096, -7056, -10080, -336, 2352, -9408, 1344,
-3696, 1344, 8400, 2400, -2448, -3456, 8256, -4752,
-1344, 13104, -11760, -9072, 9072, 0, 0], [1, -14, 26,
32, -271, 438, 16, 152, 40, 952, -104, -464, -800, 144,
0, -2176, 20, -336, -404, -3192, 1200, -816, -2560,
4576, -868, 7656, -3488, -208, -1216, 1488, -672, 1984,
-1088, 3072, 2976, 1344, -3840, 544, 5952, 1632, -2176,
11904, -17856, 0, 640, -8448, 6144, -6784, 8448, -6384,
-1056, -5760, 6528, -16128, 19200, 0], [1, -21, 68,
228, -285, -255, 72, -100, -2200, 420, 120, -324, 4520,

-1900, -2800, 4880, -218, -294, 1290, 3990, 1900, -480,
4020, 6760, 840, -8640, -9480, 436, 1836, 4932, -1428,
-3392, -2880, -15296, -12312, -4536, 8928, -324, -600,
-13740, -720, -18000, 18600, 14784, -480, -15840, 1440,
-960, 15840, -3360, 34560, 37920, 27360, 10080, -44640,
-40320], [1, -30, 194, 336, -3255, 2310, 144, -1288,
-3640, 19320, -4200, 2016, 5600, -17920, 2240, -4480,
-596, 2352, 17220, -24360, -7280, -28560, 6720, -22400,
4620, 7560, 36960, 2128, 0, -43344, 11424, 9856, 16128,
39424, -18144, 36288, 32256, -6048, -16800, 53760,
-20160, 40320, 67200, -118272, 12480, 48960, -11520,
76800, -126720, -18480, -30240, -147840, 40320, -80640,
-161280, 322560], [1, -15, 110, -210, 525, 525, -30,
-280, -700, -4200, -3150, 1680, 5600, 14000, -11200,
-11200, 340, -420, 2100, -2100, -9800, -8400, 4200,
28000, 14700, 6300, -21000, -1232, 5040, 5040, 11760,
4480, -40320, 17920, -30240, -10080, 32256, 1680,
-16800, -8400, 33600, 33600, -16800, -26880, 2400,
14400, -21600, -38400, 43200, -8400, 25200, -16800, 0,
0, 0, 0], [1, -19, 126, -378, 189, -567, 6, -168, 1260,
1512, 2646, 336, -3360, -7056, 2240, 5824, 180, -756,
756, 2268, -2520, 3024, -7560, 2016, 5292, -6804, 1512,
-1008, 3024, -9072, -9072, 8064, 24192, -16128, -18144,
18144, 0, 3024, -6048, 9072, -12096, -12096, 18144, 0,
-4320, 15552, 18144, -13824, -15552, -3024, -27216,
30240, 16128, -16128, 0, 0], [1, -25, 180, -540, 675,
405, 60, -420, 1800, -2700, -2700, -420, -3000, 4500,
4400, -2000, -90, -270, -1350, -4050, 4500, 10800,
13500, -19800, -5400, 0, 5400, -252, 2700, 1620, 11340,
-5760, -17280, 11520, 3240, -22680, 7776, 2700, -5400,
8100, -10800, -10800, 16200, 0, -10800, 0, -32400,
43200, 0, 21600, 0, -21600, -7200, 50400, -38880, 0],
[1, -33, 308, -924, 1155, -1155, 132, -1540, 3080,
-4620, 4620, 924, 3080, 7700, -6160, -6160, -506, 3234,
-2310, 11550, 1540, -18480, -32340, 15400, -9240, 0,
9240, 1540, -2772, 2772, -17556, -19712, 0, 9856,
49896, 49896, -22176, -2772, -9240, -23100, 55440,
55440, -46200, -29568, -2640, 31680, 55440, -52800,

-31680, 36960, 0, -36960, -110880, -110880, 110880,
80640], [1, -43, 558, -2394, 2205, 945, 222, -4200,
16380, -2520, -6930, 6384, -23520, -25200, 2240, 24640,
-1116, 14364, -26460, -18900, -32760, 15120, 83160,
50400, 26460, 56700, -83160, 5040, -39312, 9072, 33264,
56448, 120960, -88704, -18144, -199584, -72576, -19152,
70560, 75600, -20160, -221760, -151200, 266112, 56160,
-25920, -142560, -172800, 285120, -105840, -226800,
332640, 40320, 443520, 362880, -725760], [1, -55, 990,
-6930, 17325, -10395, 330, -9240, 69300, -138600,
34650, 18480, -184800, 277200, 123200, -123200, -1980,
41580, -207900, 207900, -138600, 831600, -415800,
-554400, 207900, -623700, 415800, 11088, -166320,
498960, -166320, 443520, -1330560, 443520, -997920,
997920, 798336, -55440, 554400, -831600, -1108800,
1108800, 1663200, -1330560, 237600, -1425600, 712800,
1900800, -1425600, -831600, 2494800, -1663200, 2217600,
-2217600, -3991680, 3628800]]

===== n=12 =====

[[1, 132, 5940, 110880, 831600, 1995840, 665280, 1760,
126720, 2661120, 17740800, 26611200, 591360, 17740800,
106444800, 70963200, 31539200, 189235200, 63078400,
23760, 1330560, 19958400, 79833600, 39916800, 10644480,
212889600, 638668800, 425779200, 851558400, 39916800,
479001600, 479001600, 1277337600, 638668800, 304128,
12773376, 127733760, 255467520, 85155840, 1021870080,
1021870080, 1362493440, 510935040, 3065610240,
4087480320, 1226244096, 2452488192, 3548160, 106444800,
638668800, 425779200, 567705600, 3406233600,
2270822400, 2554675200, 5109350400, 8174960640,
6812467200, 36495360, 729907200, 2189721600,
2919628800, 5839257600, 8758886400, 14014218240,
319334400, 3832012800, 3832012800, 10218700800,
15328051200, 2270822400, 13624934400, 18166579200,
12262440960, 24524881920, 44590694400, 81749606400],
[1, 109, 3870, 52920, 252000, 257040, -30240, 1300,
71520, 1038240, 3830400, 1108800, 282240, 5376000,

13708800, -3225600, 6809600, 7884800, -2867200, 15480,
635040, 6048000, 10281600, -1814400, 4152960, 45964800,
26611200, 54835200, -38707200, 12096000, 61689600,
-21772800, 53222400, -29030400, 171648, 4983552,
27578880, 10644480, 25804800, 131604480, -46448640,
56770560, 110315520, 127733760, -185794560, 157925376,
-111476736, 1693440, 32256000, 82252800, -19353600,
122572800, 141926400, -103219200, 329011200,
-232243200, 340623360, -309657600, 14238720, 157593600,
91238400, 376012800, -265420800, 364953600, -637009920,
96768000, 493516800, -174182400, 425779200, -696729600,
490291200, 567705600, -825753600, 1579253760,
-1114767360, 1857945600, -3715891200], [1, 90, 2559,
27384, 108360, 161280, 65520, 920, 38688, 412608,
1276800, 1491840, 116256, 1417920, 3239040, 3413760,
680960, 1075200, -143360, 9438, 283920, 1930320,
3769920, 2590560, 1292928, 8171520, 14353920, -1344000,
12364800, 2520000, 6531840, 14999040, -14192640,
-1451520, 87744, 1766016, 7047936, 10031616, 5376000,
13934592, 31997952, -15138816, 11031552, 17418240,
-9289728, -3870720, 35610624, 697536, 8507520,
19434240, 20482560, 12257280, 19353600, -5160960,
-8064000, 74188800, -90832896, -15482880, 4432896,
28016640, 49213440, -9216000, 84787200, -97320960,
-31850496, 20160000, 52254720, 119992320, -113541120,
-34836480, 49029120, 77414400, -41287680, -38707200,
356106240, -495452160, -185794560], [1, 87, 2286,
19656, 30240, -75600, -30240, 926, 36144, 295344,
60480, -997920, 119616, 1088640, -1370880, -1451520,
896000, -2365440, 286720, 9540, 258048, 1058400,
-1693440, -1149120, 1358784, 4273920, -13305600,
1612800, -3225600, 2782080, -2177280, -5806080,
-5322240, 2903040, 89280, 1524096, 1499904, -7451136,
5935104, -4644864, -12386304, -5677056, 14515200,
-38320128, 18579456, 4644864, -9289728, 717696,
6531840, -8225280, -8709120, 16128000, -42577920,
10321920, 9676800, -19353600, -34062336, 30965760,
4658688, 14653440, -45619200, 11059200, -22118400,

-36495360, 63700992, 22256640, -17418240, -46448640,
-42577920, 69672960, 64512000, -170311680, 82575360,
46448640, -92897280, -185794560, 371589120], [1, 75,
1779, 16659, 63810, 70380, -11880, 620, 20928, 201228,
709200, 386640, 42336, 547320, 2358240, 128160, 330560,
3369600, 1354240, 5178, 120450, 775620, 1536120,
-480240, 285528, 2773920, 6023520, 2611200, 6499200,
39600, 1542240, -2972160, 5535360, -241920, 37824,
584496, 2687616, 1665216, 549600, 8871552, -759168,
13346304, -3017088, 4354560, 20777472, -5875200,
-8073216, 215256, 2121120, 7172640, -3882240, -251520,
23443200, 23946240, -12240000, -16819200, -9225216,
-2580480, 779616, 5523840, 8691840, 1958400, 12672000,
-9884160, -5308416, 316800, 12337920, -23777280,
44282880, -5806080, -13409280, 19353600, 92344320,
-58752000, -80732160, -50319360, -30965760], [1, 70,
1419, 9184, 15960, 10080, -1680, 620, 17308, 92568,
70000, 30240, 38696, 127120, -171360, -271040, -170240,
-537600, -322560, 5358, 97160, 258720, 191520, -63840,
284928, -105280, 174720, -1814400, -2464000, 268800,
-120960, -322560, -752640, 161280, 40184, 410256,
391776, 522816, 459200, -1628928, -2059008, -2630656,
-701568, 3628800, -4451328, -1935360, -516096, 241696,
1048320, 685440, -483840, -1541120, -537600, -5519360,
-4032000, -1075200, 6150144, 1720320, 1025856, 618240,
3536640, -8524800, -9062400, 6589440, 3538944, 2150400,
-967680, -2580480, -6021120, 3870720, -3118080,
16128000, -19783680, -19353600, -5160960, 33546240,
20643840], [1, 66, 1131, 3192, -22680, -40320, 5040,
632, 15312, 24864, -315840, -80640, 44352, 53760,
-618240, 430080, 143360, 645120, 286720, 5466, 76944,
-176400, -987840, 191520, 352128, -994560, -322560,
860160, 2795520, 383040, -2177280, 967680, 2580480,
-483840, 41568, 254016, -1604736, -790272, 930048,
-3290112, 3419136, 4558848, 290304, -1741824, 2322432,
-774144, 1548288, 256704, 40320, -5402880, 1451520,
1075200, 2580480, 4300800, -1612800, 3225600, 5677056,
-5160960, 1158912, -4377600, -4008960, 2027520,

11427840, 6082560, -10616832, 3064320, -17418240,
7741440, 20643840, -11612160, 1290240, -7741440,
10321920, -7741440, 15482880, 30965760, -61931520], [1,
64, 1350, 11940, 41865, 46620, 25740, 400, 12480,
127440, 384480, 262560, 20160, 400800, 911520, 281280,
531200, 293120, -384640, 2340, 51480, 383580, 653040,
699840, 93600, 2018880, 1699200, 4184640, -639360,
-37620, 1898640, 3514320, 8196480, 5175360, 10368,
171072, 780480, 581760, 259200, 2522880, 368640,
2972160, -305280, 1693440, 4608000, -1085184, -1230336,
14880, 389280, 377280, 2960640, 1923840, -3210240,
-7057920, 4740480, 11439360, -2534400, -806400,
-224640, 11520, -2903040, 9054720, -11658240, 21288960,
-1658880, -2051280, -5814720, 7110720, 9561600,
40193280, -7580160, -29813760, -29306880, -10851840,
-12303360, -13824000, -9676800], [1, 57, 951, 5661,
10890, -6300, -3240, 386, 8364, 47094, 69480, -96120,
9576, 78240, 121920, -54720, 44000, 48960, -39680,
2550, 33798, 115200, -75240, -76320, 10524, 243120,
-795600, 307200, -384000, -132120, -233280, -341280,
-815040, -812160, 13560, 106056, 274464, -549216,
-109056, 902016, -2304, 547584, -768960, -2032128,
-2294784, 221184, 801792, 44616, 224640, 105120,
-184320, -139200, -213120, -660480, -662400, -576000,
658944, 322560, -1872, 555840, -2116800, 1958400,
921600, -3144960, 663552, -776160, 1503360, 639360,
2465280, -6013440, -2419200, -3041280, -2211840,
2211840, 8017920, 3594240, 3870720], [1, 54, 795, 3840,
11160, 27360, 13680, 380, 6540, 17400, 60720, 174240,
5160, -73200, -71520, 294720, -160000, -261120, 87040,
2670, 27240, 61920, 300960, 300960, -7680, -367680,
28800, -647040, 188160, -46080, -51840, 276480,
-506880, -207360, 14808, 65232, 223200, 740160,
-271680, -864000, 1163520, -660480, -190080, -1762560,
967680, 608256, -884736, 56160, 40320, 789120, 1474560,
-1059840, -2626560, 1566720, 990720, -2396160, 1013760,
0, 83520, -11520, 1002240, -1336320, -92160, 138240, 0,
-299520, 414720, 3041280, -1843200, -1658880, -599040,

-6359040, 6266880, 6082560, -8847360, 5529600, 0], [1, 51, 621, 957, -5130, -7020, -3960, 392, 5832, -2736, -47040, -51840, 9132, -44640, -48240, -64320, -48640, -26880, 17920, 2736, 19944, -46800, -41040, -82080, 27288, -156960, 1440, -8640, 357120, -9360, 371520, 60480, 305280, 380160, 15408, 20376, -151776, -201312, -104112, 111168, -224064, -364032, -66816, 936576, 1020672, 297216, 96768, 61044, -148680, 15120, -456480, -422400, 46080, 268800, 1166400, 1296000, -912384, -322560, 112032, -403200, -293760, 11520, 714240, 898560, -663552, -211680, 1330560, -1157760, -1935360, 2557440, -783360, 1244160, 645120, 2972160, 967680, -4976640, -3870720], [1, 46, 351, -2688, -14280, 10080, 5040, 412, 4572, -29736, -55440, 137760, 15792, -13440, 221760, 26880, 143360, 197120, -71680, 2826, 5544, -201600, 70560, 90720, 76608, -221760, 685440, 725760, -967680, -20160, -362880, -241920, -645120, -483840, 16488, -63504, -485856, 681408, 197568, 822528, -209664, 580608, -233856, -532224, -1870848, 193536, -387072, 70224, -547680, 141120, 443520, 806400, 1505280, -1075200, -403200, -2419200, -1419264, 1290240, 171072, -1670400, 2384640, 3179520, -2856960, -4285440, 2654208, 40320, -483840, 483840, 1290240, -1935360, -322560, 1935360, -2580480, 1935360, -3870720, -7741440, 15482880], [1, 57, 1140, 9630, 32625, 40005, -12690, 260, 9120, 91320, 273600, 278100, 20160, 274800, 636000, 565200, 195200, 230400, -80000, 660, 25860, 209700, 465300, -363600, 162480, 1286400, 2228400, 609600, 1884000, 431100, 1773900, -1906200, 198000, -2354400, -3072, 7776, 135360, 853920, 507840, 1313280, 4582080, -1436160, 3162240, 7439040, 2229120, 4720896, 9873792, -50640, -410400, -817200, -1756800, 768000, 28800, -1507200, 6746400, -7228800, 16093440, -403200, -325440, -2649600, -302400, -2880000, 9388800, 6652800, 28823040, -1184400, -8974800, -5983200, -16948800, -19440000, -2419200, -8121600, -6566400, -4682880, -5045760, -6566400, -4838400], [1, 48, 726, 4212, 6489, 2556, -756, 224, 4944, 32640, 13680, 1728,

6048, 84000, -115392, -88704, 97280, -203904, 42112,
804, 12504, 52668, 15696, -18432, 20928, 199200,
-89280, 230016, -160512, 7308, 130896, -83376, 54144,
-174528, 672, 19008, -53856, 134208, 99456, -691200,
-555264, -774912, 115776, 93312, -649728, -566784,
-1022976, -17376, 6048, -220608, -52992, 577920,
-824832, 777216, 796032, -154368, -1774080, 115200,
-133632, -247680, 926208, 396288, -73728, 1064448,
-3151872, -373968, -1176768, 74304, -1543680, -1223424,
-34560, 2391552, 3262464, 262656, 1631232, 1105920,
1382400], [1, 43, 531, 2707, 6914, 6636, -1896, 204,
2624, 12780, 37840, 46288, -1792, -3240, 74208, 45856,
-8640, 114816, -19968, 954, 6274, 20868, 20856, -41712,
-32232, -112480, 298080, -144384, 344448, -61392,
-399264, 6144, -249216, 206592, 2752, 13488, 42624,
93888, -52384, -124800, 145536, -102912, -102784,
-419328, -40448, 16896, -208896, -2536, 22368, -58848,
-248832, 73600, 676608, -359424, -517248, 509952,
-168960, 0, -50592, -46720, 271488, 66048, 842752,
-655872, -540672, -47488, -945408, -777216, -97280,
1652736, 752640, -73728, -1437696, 1115136, -196608,
798720, 0], [1, 40, 390, 748, -3271, -8340, 1452, 216,
2312, 3336, -29528, -19280, 464, 11328, -53520, 7840,
11904, -16320, 3840, 1020, 4456, -4956, -101760, 33024,
-14160, 38576, -76704, -37152, -67392, -31140, -72528,
61008, -100224, 52800, 3088, 6912, -26640, -30240,
-6784, 79488, 69504, 71040, 23648, 347328, 468736,
149376, 240384, -1216, 35328, -226176, 148608, 117568,
54528, 57600, -309888, -119040, 515328, -69120, -51648,
214208, 14592, -39168, -479744, -377088, 924672,
-113296, 116160, 250944, -189440, 318720, 276864,
914688, 138240, -373248, -1330176, -583680, -829440],
[1, 37, 285, 355, 2150, 3900, -600, 210, 1100, -5550,
7000, 2200, -2320, -37500, -34800, -54800, -24000, 0,
0, 1140, 2080, 9900, 48000, -13200, -19920, -30400,
-12000, 38400, -187200, 19200, 62400, -33600, 211200,
-76800, 3928, -9024, 51840, 54720, -75160, -170400,
-199200, 318720, 196160, 97920, -87680, -11904, 198912,

4820, -16800, 58800, -43200, -75200, -48000, 0, 158400,
19200, -30720, 0, -20520, 72800, 112800, -96000,
-396800, 105600, 261120, -11200, -336000, 38400,
985600, -614400, 412800, -288000, 0, -576000, 1075200,
-998400, 0], [1, 33, 117, -1401, -2970, -1620, 360,
230, 828, -10314, 2280, -1080, 1752, -180, 43920,
48720, 6080, 30720, -5120, 1188, -2880, -21420, -4320,
6480, 792, 96480, 48960, -23040, 118080, 7920, 86400,
-17280, 28800, -34560, 4320, -28872, 4608, -78624,
-1800, 77472, 153504, -168192, 73152, -172800, -358272,
-210816, -297216, 7044, -54720, 19440, 31680, 70080,
132480, -76800, 8640, -172800, -221184, 92160, -15192,
145440, -254880, -264960, 437760, 432000, -580608,
-34560, 190080, 34560, -207360, -138240, 201600,
-311040, -184320, -760320, -276480, 1244160, 1105920],
[1, 27, -105, -2745, 2250, 13500, -1800, 260, 240,
-14460, 54000, -3600, 8040, 27600, 12000, -100800,
70400, -192000, 25600, 1230, -12810, -47700, 145800,
-32400, 25080, -12000, -381600, -76800, -19200, -61200,
-280800, 86400, -316800, 172800, 5088, -63504, 132480,
112320, 157440, 34560, -253440, -61440, -190080,
-138240, 1105920, 193536, 663552, 11400, -169200,
496800, -158400, 441600, -1267200, 384000, -950400,
864000, 1382400, -460800, 1440, -28800, 86400, 115200,
-230400, -345600, 552960, -14400, 172800, -172800,
-460800, 691200, 115200, -691200, 921600, -691200,
1382400, 2764800, -5529600], [1, 54, 1065, 8700, 30735,
24390, 37575, 200, 8160, 74640, 287520, -3960, 23520,
175200, 1094880, -590880, -160000, 1985280, 1152640,
-30, 18600, 145620, 306360, 877410, 229920, 841920,
1346400, -2072640, 1008960, 728820, 1065960, 5355180,
-7397280, -839160, -7872, -53568, 175680, -1108800,
566400, 4250880, -7355520, 3970560, 4821120, 3991680,
-11301120, 10043136, -10734336, -64800, -802080,
-226080, 2014560, -1232640, 11024640, 13489920,
3625920, 29528640, 33707520, 42940800, -270720,
-3467520, -7032960, -9976320, -14261760, -23189760,
-30274560, -655920, -4445280, -2563920, -7286400,

-7166880, -1635840, -5322240, -4101120, -3352320,
-3559680, -4838400, -3628800], [1, 43, 636, 3442, 6249,
-1449, -1266, 134, 4024, 21180, 33640, -31482, 9968,
25600, 65808, -21344, -57920, 27456, -73728, -96, 6764,
23388, -14004, -21972, 78648, 43760, -215160, -329184,
-284992, 186828, -66204, -169416, -221496, 325872,
-4528, -23472, 24144, -126192, 125696, 385920, 11136,
268928, 724896, -731808, 559872, 729216, -343296,
-28016, -212832, 63792, 53568, -363200, 293568,
-798464, -305568, -1304448, -908160, -3037440, -77472,
-479040, -155232, -928512, -35328, -1374912, -1078272,
-78288, 454032, 859104, 1716000, 2707776, -94080,
772992, 1035264, 107136, 824832, 610560, 806400], [1,
36, 426, 2112, 4653, 7812, 5580, 92, 1644, 8580, 15468,
13752, 1344, 7008, 13728, -1632, -5056, 13344, -7424,
-12, 744, 36, 55800, 75888, 4056, -21144, 61200,
-70464, 16512, -5364, 147744, 181872, -12672, -98496,
-1896, -10368, -64728, -84528, 10560, -89856, -103104,
-34368, -161136, 272160, 100224, -407808, 317952,
-9648, -43488, -8784, 63648, 6624, 117504, -77184,
-91872, 339264, -607104, -338688, -8928, -143712,
-532224, -105984, -175104, -120960, 953856, 101808,
342144, -437184, 320256, -787968, 221760, 224640,
142848, 349056, -158976, 304128, 0], [1, 33, 306, 552,
-2781, -1809, -2286, 104, 1584, 2160, -25440, -10152,
2508, 3600, -52092, 17976, 6080, 12576, 8992, 54, 2034,
-5922, 13446, -29052, 12888, -54720, -49320, -3384,
63648, 13968, 22896, -44496, 31824, 19872, -1728, 1368,
-28656, 13608, 32976, -188640, 132336, 134208, -29664,
-254448, -37728, -156384, 65664, -10596, 11808, 183492,
-30312, 29760, 17568, 46176, 146232, 78192, 190080,
636480, -22752, -5760, 144288, -107712, 99072, -76032,
217728, 19872, 335232, 52704, 336960, 115776, -40320,
-347328, -740736, -52704, -312768, -207360, -345600],
[1, 33, 351, 1917, 3834, -5724, -3816, 74, 684, 8910,
36360, -38232, -2352, 14760, 170208, -21024, 19760,
219936, 141952, 54, -2106, -13392, -34344, -45792,
-21492, -66960, -49680, 59616, -50112, -42552, -108864,

-171936, 160704, 24192, -648, -3672, -7776, -114912,
-9504, 138240, -65664, 183168, -126144, -96768, -27648,
-117504, 152064, -3816, -34992, 80352, 65088, -73440,
-67392, 700416, 101952, -667008, -241920, -161280,
12528, -181440, 19008, -404352, -891648, 1099008,
304128, 149472, 24192, 825984, -1278720, 193536,
259200, 145152, -746496, 228096, 456192, 0, 0], [1, 28,
186, 472, 269, -204, -276, 84, 164, 300, -380, -3992,
-2032, -3840, 5808, -1664, -3840, -38304, -21888, 204,
-296, -2772, 2856, -2832, -8472, -25000, 240, -2784,
-38592, -7332, -3264, -8976, 46464, -9408, -248, 3648,
-2376, -10512, 14336, 87360, 15936, -76992, -14224,
57312, -11648, 74496, -70656, -3856, 6528, 31152, 6048,
12640, 14208, -65664, -20448, -17088, 124800, 103680,
288, -56800, -28032, 75648, 93952, 133248, -195072,
58352, 33792, 43584, -16640, -75264, -45120, -91008,
290304, -157824, -23808, -168960, 0], [1, 24, 54, -708,
-3159, 972, 684, 104, 216, -1224, -10824, 16848, -48,
9792, 7920, -5856, -256, 23232, 15616, 252, -792,
-7164, 864, 5184, -1008, 11088, 36000, -6048, 27072,
-2340, 12528, 9936, 1152, -8640, -144, 4608, -21744,
50976, 13824, 36864, -70272, 61056, -8928, 19008,
-71424, 79488, -6912, -4224, 29952, -36288, -25344,
-53184, -133632, 31488, -48384, 13824, -76032, -281088,
-6336, 33984, 27648, -64512, -18432, 48384, -82944,
22896, 29376, -105408, -27648, -34560, -81792, -269568,
-46080, 110592, 387072, 165888, 276480], [1, 24, 90,
420, 3645, 7020, 4860, 80, -720, -3600, 240, 17280,
-3360, -18000, -41040, 39840, 17600, 24960, 33280, 360,
0, 12240, 4320, 36720, -4320, -34560, -230400, 119520,
112320, 29340, -28080, -149040, -63360, 60480, 288,
-288, 14400, 17280, -2880, -14400, -5760, 69120, 54720,
-51840, -46080, 38016, -20736, -1680, 5040, -12960,
69120, 16320, -97920, 99840, 8640, -155520, 69120, 0,
2880, -37440, -155520, 178560, 218880, -69120, -138240,
34560, 138240, -311040, -345600, 483840, -161280,
760320, -599040, -276480, 276480, 0, 0], [1, 21, -3,
-333, 486, -2052, -1368, 98, -564, -1758, 1944, -10152,

-1584, -2076, 5136, -2448, 1088, 0, 4096, 372, -1248,
11340, 0, -8208, -240, 18624, 26784, 26112, 23232,
21312, 15552, 63936, -85248, 0, 312, -3744, 1152,
-15552, -7896, -22176, 27360, -19200, -4032, -17280,
40320, -51840, 20736, -1644, 11232, -6480, -20160,
-19392, -44928, 12288, 1728, 62208, -55296, -73728,
792, -26784, 61344, 94464, -69120, -210816, 138240,
28224, -65664, 69120, -50688, 0, -100224, 62208, 0,
124416, -276480, 304128, 0], [1, 16, -138, -908, 1161,
828, 972, 128, -464, 192, 8944, 7488, 1616, 11584,
-144, -5408, -9152, -1920, -13824, 372, -4648, 5100,
-16560, 4032, 5280, 4544, -13056, -37728, -73408,
-1668, -38448, -73584, 54912, 14400, 512, -8064, 7872,
4608, 10304, -35136, -21120, -33280, -44352, -74880,
92160, -34560, 55296, -1184, 20352, -41760, 31680,
-32192, 223872, -15872, 145728, -35712, 13824, 248832,
-1728, 19776, -14976, -49536, -19200, 59904, 46080,
13584, -74304, -14400, 79872, 57600, -79104, 119808,
76800, 297216, 115200, -479232, -460800], [1, 9, -285,
-495, 7650, -2700, -1800, 170, -660, 1830, 9000,
-41400, 6600, 2400, -124800, 43200, 12800, 38400,
25600, 330, -11550, 19800, 16200, 0, 9060, -145200,
61200, -4800, 182400, -66600, 43200, 151200, 158400,
-86400, 1128, -13608, 128160, -82080, 94080, -224640,
126720, 307200, -60480, 691200, -552960, 400896,
-331776, -120, -7200, -21600, -28800, -19200, -230400,
-76800, -172800, -172800, -276480, -460800, -720,
14400, -43200, -57600, 115200, 172800, -276480, 7200,
-86400, 86400, 230400, -345600, -57600, 345600,
-460800, 345600, -691200, -1382400, 2764800], [1, 33,
396, 1782, 5049, 3861, -5346, 44, 1584, 3960, 23760,
60588, 4488, -11880, -792, 121176, -45760, -141504,
37312, -396, -396, 1188, -51084, -76032, 26928, 79200,
23760, -1584, -210672, 36828, 32076, -121176, 80784,
28512, -3168, -28512, 9504, 161568, -41184, 285120,
560736, -12672, -57024, 741312, -399168, -57024,
627264, -6336, -99792, -446688, -147312, -253440,
-836352, 449856, -779328, 218592, -760320, 1330560,

19008, 190080, -171072, 494208, -874368, 114048,
-1596672, 52272, 242352, -85536, 475200, 228096,
126720, 76032, 25344, 228096, -114048, 207360, 0], [1,
30, 285, 348, -1161, -7650, 2907, 56, 1632, -2064, 672,
-19080, 5184, -25152, 24000, -50880, -27136, 0, 4480,
-330, 2136, -2196, -68760, 42534, 32160, -60864, 13536,
81408, 185088, 49860, -292248, 108108, 246816, -111240,
-3072, -10368, 92160, -5760, -15744, 131328, -268416,
-192000, 62208, -248832, 20736, 55296, -193536, -8256,
-44352, 28224, 53568, -164352, -18432, 26880, -361728,
288000, -364032, 282240, 1152, 177408, 335232, 479232,
423936, 1043712, 1078272, -17136, -90720, -217296,
-524160, -920160, -9216, -110592, -322560, -27648,
-193536, -138240, -241920], [1, 28, 306, 1512, 2709,
756, -756, 4, 564, 6300, 8820, 3528, 1008, 23520, 1008,
-8064, 35840, 4256, -60928, -396, -4536, -5292, -10584,
-9072, -6552, 83160, -15120, 203616, 157248, -12852,
72576, -27216, 169344, -36288, -1368, -24192, -49896,
21168, -68544, -120960, -108864, 197568, -63504,
-127008, 508032, 72576, -435456, 3024, -34272, -111888,
6048, -171360, -346752, -330624, -66528, -36288,
604800, 241920, 31968, 90720, 165888, -283392, 248832,
-611712, -41472, 69552, 145152, 108864, -241920,
-290304, 100800, 185472, -32256, 72576, 145152, 0, 0],
[1, 23, 166, 292, 519, 701, -166, 14, 344, -1560,
-1120, -782, 928, -6980, -12792, -12604, -7760, 4816,
9632, -246, -426, 478, 4866, -2112, 3068, 16920, 2700,
-26784, -10632, -5832, 34176, -11256, -80896, 21312,
-1168, -5272, 1104, 8968, -9304, 9360, -26664, -8992,
-37584, 35872, -76368, -13024, -38976, 284, -952,
-25788, 5408, 35120, 95248, 28896, 65272, -77568,
178720, -152320, 10728, 45360, 2648, 75808, 83232,
-4272, 35328, -1568, -78848, 63264, -35840, 170496,
-19520, -111488, -21056, -56544, 10752, -77760, 0], [1,
19, 54, -708, -1689, -423, 234, 34, 576, -3384, 936,
2238, 1752, -7068, 18720, 16044, 12464, 11792, -12064,
-198, 1278, -2394, 3114, 1944, 4572, -31032, 25020,
56592, -41688, 360, -28512, 2376, 7632, -4320, -1224,

3888, 23256, -23184, -13896, -44496, 38088, -864,
-7488, 60048, 76176, -11232, 53568, -1524, 13992,
37332, -6624, -144, 15888, -43872, 63576, -3456, 95328,
-85248, 1944, 17424, -90072, -37152, -181152, -139536,
-290304, -12384, -100224, -31968, -163008, -17280,
16128, 136512, 279360, 19872, 110592, 70848, 138240],
[1, 20, 130, 448, -651, -4060, 812, -4, -148, 2436,
4172, -3080, -896, 7168, 6720, 5600, 5824, 1120, -4480,
-180, -2184, -8036, -24360, 9744, -5320, -504, -53424,
-4032, -37632, -7140, -12768, 34608, -79744, 6720,
-232, -448, 24360, 26320, 896, -4032, 41664, 42560,
37968, -29792, -142464, -25984, 102144, 1904, -15232,
19824, -11872, -11872, -46592, -13440, 166432, 114240,
-113792, -44800, 13152, 7008, 83072, -61568, 66816,
35712, -35328, -2576, -22400, -159936, 152320, 53760,
-34496, -6272, 125440, -56448, -112896, 0, 0], [1, 17,
76, 406, 1545, 2645, -1090, -4, -496, -1416, 2480,
14620, -1064, -4280, -6600, 12680, -320, -4160, 4160,
-60, -252, -6380, -12060, -8640, 944, -4320, 26640,
-6480, 3120, -2580, -23460, 38280, 41360, -16800, -160,
3296, -1056, -13856, 17504, -22464, -10464, -21376,
27840, -123968, 73536, 16064, -51648, 896, -2800,
-26400, -24400, 32000, 40960, 12480, 60160, 49440,
-25856, -58240, 5568, 36480, -18880, -45440, -144000,
-1920, 168192, -26480, 90640, 55200, 15040, -134400,
-62720, 79360, -16640, -48000, 48000, 0, 0], [1, 14, 4,
-158, -669, -568, 284, 14, -214, 6, 446, -3572, -548,
472, -3180, -2056, -2216, -3248, 1856, -48, 348, -224,
5964, 1704, 152, 13248, 8640, -4968, 21552, -4140,
10848, -18384, 24512, 0, -304, 3368, 5856, -3344, 3584,
-7056, -3552, -11584, 6552, -1712, 38976, 6848, 18048,
176, -8368, 1752, 9296, 1496, 208, 5568, -36464,
-23136, -62912, 56192, 4824, -8136, -592, -10592,
-12672, -56256, -17664, -13664, -32624, -4128, 34432,
0, 12448, 20992, -89600, 49152, 16512, 62208, 0], [1,
9, -96, -558, -99, 3537, -666, 44, 96, 696, 3456,
-1332, 552, 3912, 3720, -1656, 704, 2112, -2624, -48,
168, -5904, 11664, -4536, -768, -3072, -44640, 4272,

-20208, -2340, 108, 19656, -44208, 4320, -384, 6048,
-10944, -9504, -8736, 5184, 11808, 16896, 24192, 1728,
-57024, 1728, -41472, -624, 1872, -12528, -1584,
-27264, -12672, -192, -9504, 26784, -58752, 47232,
2304, 2304, -6912, 39168, 91008, 100224, 158976,
-10944, -13824, 50112, 12672, 17280, 39168, 127872,
23040, -53568, -183168, -76032, -138240], [1, 10, -36,
294, 915, 720, -180, 10, -762, -702, -4590, -780, -924,
-360, -4500, -16440, 15080, 25520, -9280, 108, 1260,
3420, -1980, -1080, 4248, -9360, 1440, -9000, -23760,
6660, -12960, 2160, -2880, 0, -216, 216, -1224, 19296,
-2880, 4752, 8352, 16704, -14328, 54000, -42048, -4320,
39744, 336, -6720, -10440, 3600, 10440, 34800, -27840,
-56880, -4320, -23616, 40320, 2376, 10440, -19440,
-73440, 57600, 112320, -89856, -20880, 62640, 21600,
-63360, 0, 20160, -146880, 126720, 86400, -86400, 0,
0], [1, 6, -108, 42, -189, -1512, 252, 38, -414, 2142,
294, 2268, -84, 504, 5796, 13272, -2632, -11760, 3136,
72, 252, 2520, -3780, 1512, 2520, -2016, 8064, -13608,
-11088, 2772, -6048, -3024, 4032, 0, -288, -504,
-11088, -9072, -12096, -7056, -10080, 20160, -11592,
15120, -20160, 0, -48384, 336, -1008, 22680, -5040,
22008, -41328, 9408, -9072, 6048, 108864, -56448, 2232,
-11304, 15984, 15264, -5760, 39744, 34560, -12096,
27216, -30240, 24192, 0, 42336, -24192, 0, -48384,
120960, -145152, 0], [1, 0, -186, 324, 1305, 540, -180,
80, -192, 2928, -5760, -1440, 1776, -4800, -3120,
-15840, -7360, -1920, 2560, -12, -2280, -180, -6480, 0,
-192, -12000, -14400, 31200, 58560, -6660, -2160,
15120, 28800, -8640, -96, 3456, -6624, 29376, -6720,
67392, 12672, -47616, 24192, -34560, 41472, -34560,
82944, 96, 5760, 4320, -2880, 6720, 28800, -7680,
60480, -17280, 13824, -46080, 576, -20160, -17280,
-5760, -57600, -138240, -193536, -7920, 43200, 8640,
-46080, -34560, 46080, -69120, -46080, -172800, -69120,
276480, 276480], [1, -8, -234, 1596, 1785, -8820, 1260,
136, -456, 504, -27720, 21840, 5376, -30240, 30240,
26880, 29120, 49280, -17920, -180, -6552, 28980, 10080,

0, -7056, -55440, 171360, 60480, -241920, -39060,
226800, -105840, -282240, 60480, 720, 12096, 13104,
-62496, 48384, -48384, -88704, -32256, 110880, -278208,
112896, 48384, -96768, -1344, -23520, -70560, 20160,
-100800, -67200, 53760, -221760, 120960, -354816,
322560, 1728, 14400, 103680, 138240, 115200, 172800,
663552, -5040, 60480, -60480, -161280, 241920, 40320,
-241920, 322560, -241920, 483840, 967680, -1935360],
[1, 24, 270, 1260, 945, 11340, 11340, -40, 360, 7560,
-32760, -15120, 1680, 50400, -105840, -70560, 89600,
-248640, 138880, -540, -7560, 11340, 90720, 90720,
-15120, 105840, 453600, 393120, -665280, 11340,
-136080, 498960, 1088640, 1270080, -432, -36288,
-136080, -272160, -120960, -362880, 362880, -846720,
90720, -1270080, -2177280, 798336, 1016064, 10080,
30240, 181440, -362880, -262080, 967680, 887040,
-725760, -1451520, 725760, 0, 25920, 77760, 103680,
-311040, 622080, -933120, 414720, 45360, 181440,
-181440, 0, -725760, 40320, 241920, 322560, 0, 0, 0,
0], [1, 17, 130, 280, -525, 1295, -910, -40, 80, 1680,
-11200, -1400, 700, 11200, -14700, 9800, 11200, -5600,
5600, -330, -3150, 5950, 15750, -6300, -5320, 0, 12600,
-12600, 16800, 8400, -42000, -42000, -36400, -117600,
128, -10024, -18480, -11480, -22960, -10080, -1680,
-78400, 43680, 19600, 57120, 84896, 37632, 5180, 22400,
60900, 35000, -11200, 128800, 16800, -77000, 159600,
-183680, -78400, 2400, -9600, -52000, 49600, -144000,
182400, -28800, -5600, -22400, -16800, 78400, 168000,
-22400, -56000, -22400, -23520, -47040, 0, 0], [1, 14,
85, 220, 1815, 2510, 3875, -40, -160, -2640, -1120,
-11240, 640, -3200, 21120, -8320, -12800, 17920,
-10240, -210, -840, 1180, 5640, 12990, 800, 2880,
21600, -34560, 3840, 180, -13560, 15420, -29920,
-24840, 128, -3328, -36480, -43520, 7040, 11520, 59520,
97280, 11520, -35840, 96000, 25856, 56064, 3200, 30080,
-1920, -69760, 35840, -189440, -30720, 14080, -119040,
-81920, 204800, -5760, 11520, 133760, 17920, -23040,
111360, -245760, -19280, -12320, 34320, -41600, 38880,

-28160, 48640, -20480, -26880, 26880, 0, 0], [1, 11,
22, -308, 231, -847, -1078, -22, 176, -1848, -616,
1078, 616, -2156, 3696, 5852, -1232, 6160, -2464, -198,
462, 8470, -2310, -1848, -1540, 5544, -36036, -11088,
-1848, -1848, 7392, 12936, 38192, 36960, -88, -2464,
-1848, 17248, -616, 33264, -9240, 12320, -7392, -30800,
-18480, 12320, -14784, 2156, 10472, -4620, 12320,
23408, -23408, -7392, -10472, 29568, -71456, 19712,
-4488, -43824, -3256, -50336, 15840, 1584, 84480, 2464,
9856, -36960, -4928, -147840, 9856, 54208, 24640,
22176, 0, 36288, 0], [1, 6, -63, -708, 1431, -1242,
1287, 8, 576, -2448, 9984, 4968, 816, -1296, 5616,
-17808, 19328, -44160, 10816, -198, 1512, 180, -20520,
1242, -4320, -20736, 49824, -8928, 28512, 4572, 7992,
-18684, -20448, -46440, -288, 2016, 5472, -2592, -9216,
2304, -11520, -34560, 7488, 43200, -23040, 0, -13824,
816, 6192, -32400, -12240, 14208, -33408, 37248, 23328,
-37152, -20736, 27072, -4608, -36864, 13824, -78336,
92160, -55296, 69120, 13824, 124416, 69120, 248832,
207360, -13824, -110592, -207360, -13824, -69120,
-41472, -86400], [1, 11, 76, 322, 105, -1225, -1330,
-58, -328, 924, 6440, 70, 112, 1120, 21840, -4480,
-2240, 11200, -4480, -144, -2436, -11060, -420, -2100,
728, -35280, 17640, -10080, 47040, 13020, 12180,
-24360, 6440, 72240, 848, 2576, -10416, 2128, 4928,
-64512, -55104, -42112, 24864, 127456, -69888, -25984,
29568, 1904, 19040, 1680, 42560, 2240, -82880, -13440,
-39200, -67200, 63616, 35840, -7008, 29760, -40480,
87040, 46080, -123840, 8448, -20720, 22960, 3360,
81760, -87360, -22400, -22400, 44800, 0, 0, 0, 0], [1,
8, 22, -116, -1335, 620, 620, -40, 8, 1896, -3640,
4720, -128, 2560, -7680, -3520, -320, -4160, 1280,
-132, -1080, 2980, 0, 0, -1648, -10800, 7200, -2880,
-13440, 5340, -7440, 14160, -8320, 10560, 560, 128,
17808, 1696, 2240, 27072, 9984, 27008, 1632, 30400,
54528, -55936, -59136, 1184, -6400, -3360, -26560,
-8320, 12160, 3840, -320, -67200, 38656, 28160, -3072,
-15360, -39040, 23680, 11520, 3840, 18432, 880, 3520,

56640, -74240, -42240, 12160, -1280, -51200, 26880,
53760, 0, 0], [1, 5, 4, 94, 465, -55, -130, -40, -232,
-912, -40, -1880, 136, 40, 600, -40, -2720, -10880,
2720, -12, 420, -980, 420, 120, 1448, 5040, 3240,
21600, -17760, -2340, -5460, -5640, 320, -14400, 344,
776, -3864, -104, 6320, 5472, 8112, 11744, -4608, 3040,
-18048, -16480, -8736, 176, 1280, 4560, 8000, -21760,
13600, 8160, 1120, 36480, 34144, -42880, -5184, 1440,
4160, -16640, 28800, -19680, 7104, 2320, -10160,
-24000, -25760, 57600, 19360, -13280, -6080, 19200,
-19200, 0, 0], [1, 1, -48, -158, -19, -87, 102, -12,
176, 552, 784, 1108, -184, 264, -1464, 232, -2112,
11520, -2304, -48, 712, 1440, -1680, -168, -1200, 1184,
-3216, 2832, 9072, -708, 2892, 1896, -1488, -6240, 112,
-1104, -1008, -432, 3584, -22656, -4800, -18240, -832,
-14400, -17600, 7680, 25536, 176, -6288, -1680, -3600,
-3392, 4992, -6912, -5472, -672, 43584, -10368, -1728,
5696, 7104, 27264, -24320, 18624, -32640, 8384, 24576,
9600, -3008, 24960, -7104, -9792, 51840, -28224,
-13440, -37632, 0], [1, -5, -96, -26, 1805, -285, -330,
30, 488, -732, 40, -6890, -64, 2400, -13920, 7360,
3840, -1920, 960, -132, 280, -7080, 1920, 2100, -3792,
3200, 19200, -21600, -15840, 7740, -60, -5880, -5400,
26160, 64, 2016, -864, 576, -1120, 21312, 6432, 33024,
2912, -4320, 67072, -21120, -15936, -64, -3840, 1920,
11520, -1280, 38400, -2880, -11520, 1920, 384, -17280,
-384, 16640, 30720, 23040, -41600, 24960, -53376, 6080,
-19200, -68160, -87680, -130560, -30720, -97920,
-17280, 43200, 142080, 55680, 103680], [1, 0, -6, 444,
765, 3420, 3420, -40, -552, -2472, -9240, -6480, 696,
7440, 10200, 21360, 8480, 6720, -1280, 168, 1680,
-2880, -13680, -13680, 1248, -10560, -48960, -22800,
54240, -2340, 41040, -19440, 11520, 43200, -96, -864,
19296, -2304, -5280, 45792, -30528, -105216, -14688,
60480, -27648, -8640, -38016, -384, -720, 16560,
-21600, -36960, 14400, -3840, 33120, 89280, 2304,
-46080, -3744, 1440, 77760, 20160, -144000, -103680,
152064, 11520, -120960, 86400, 195840, -172800, 34560,

-103680, 69120, 0, 0, 0, 0], [1, -3, -36, 294, -567,
-567, -882, -16, -216, 0, 168, 0, 168, 1512, 2520,
-840, 2912, -6720, 1120, 108, 1260, -1260, 8316, 4536,
504, -13104, 504, -8064, 8064, -1764, 5292, 10584,
-14112, 0, -216, -3528, 2520, 1512, -1008, 14112,
-1008, -2016, -4032, -30240, 40320, 18144, 6048, 336,
2016, -15120, -2016, -6720, -2016, 3360, 42336, -60480,
-42336, 40320, -2304, 16992, -13824, 12672, -2304,
11232, -22464, 9072, -27216, -12096, 30240, 0, -6048,
66528, -60480, -48384, 48384, 0, 0], [1, -8, -66, 364,
-847, 588, 588, 24, 104, 840, 1288, 2800, -112, -2688,
-1680, -5600, -2688, 0, 0, -12, 280, -3780, -4704,
-4704, -336, 5936, 4704, 8736, -12096, 1596, 2352,
-10416, 2688, 6720, -176, -2688, 5040, -6048, -448,
-9408, 10752, 21504, -5152, 20160, -8960, 21504,
-10752, 896, 5376, 13440, 8064, 17920, -5376, 0, -8064,
53760, -86016, 0, -2304, 512, -11904, -25728, 30976,
-31488, 39936, 7952, -25536, 14784, -35840, -26880,
-29568, 16128, 0, 32256, -86016, 107520, 0], [1, -15,
-66, 924, -945, 315, -630, 80, 48, -2352, -3360, -5040,
756, -4200, 7980, 11760, 2240, 10080, -2240, -222,
-1050, -630, 11970, 6300, -3192, 33600, -12600, -4200,
3360, 5040, -45360, 15120, 25200, -30240, 384, 4536,
7056, 9576, 1680, -6048, -31248, -45696, -6048, 45360,
-66528, -30240, -12096, -84, -5040, -16380, -22680,
6720, -50400, 6720, -2520, -85680, 88704, 40320, -2304,
-5760, -17280, -63360, 14400, -8640, 82944, 10080, 0,
30240, 141120, 181440, -40320, 60480, 40320, 151200,
60480, -241920, -241920], [1, -24, 6, 1932, -6615,
1260, 1260, 152, -888, -7896, 14280, 25200, 4032,
-16800, 77280, -53760, 42560, -120960, 17920, -564,
-1176, 39060, -20160, -20160, -15792, 28560, -171360,
-168000, 134400, 1260, 45360, 15120, 40320, 60480,
1968, 12096, -77616, -34272, 43008, -145152, 153216,
204288, 18144, -108864, 145152, -48384, 96768, -5376,
-50400, 70560, 60480, -114240, 282240, -53760, -100800,
201600, 354816, -322560, 9792, 123840, 34560, 230400,
-115200, 380160, -663552, -5040, -181440, -60480,

-161280, -725760, -40320, 241920, -322560, 241920,
-483840, -967680, 1935360], [1, 6, 81, 252, -945,
-9450, 4095, -88, -288, 3024, 30240, -22680, 672,
-10080, 30240, -10080, 8960, 134400, 152320, -54,
-4536, -26460, 22680, 9450, 6048, -60480, -272160,
-60480, -423360, 34020, 249480, 86940, 332640, -234360,
1728, 12096, -12096, 157248, -24192, -145152, 314496,
-387072, -72576, -169344, 628992, 193536, -387072,
-2016, 30240, -90720, -131040, 80640, 241920, -483840,
-302400, 302400, 193536, 80640, -10368, 34560, -17280,
138240, 276480, -311040, -110592, -15120, -30240,
-105840, 120960, 30240, 0, 0, 0, 0, 0, 0, 0], [1, 1,
36, -18, -495, -675, 270, -68, -48, 1224, 5040, -180,
432, -5280, -9360, 4320, 4160, -6400, -18880, 36,
-1836, -4860, 3780, 0, 3168, 4320, -12960, -2880,
30240, 7020, 30780, 3240, -2160, -12960, 1008, 5616,
3024, -432, -14112, 19008, -9504, 24768, -38016,
-82944, -44928, 46656, 36288, -2736, 1440, -15120,
-8640, 23040, 54720, 77760, -21600, 0, -39744, -34560,
-1728, -8640, 25920, -34560, -69120, 77760, 10368,
6480, -19440, 12960, -51840, 51840, 14400, 14400,
-28800, 0, 0, 0, 0], [1, -3, 0, -270, -675, 3645, -810,
-40, 360, 2160, -5400, -5400, -480, -3600, 10800, 0,
3200, -2400, 13600, 0, -1080, 5400, 0, 0, 1080, -10800,
27000, -10800, -10800, 2700, -8100, -16200, 21600, 0,
648, 216, 5400, -22680, -2160, 30240, -2160, -4320,
-21600, -25920, -17280, 7776, 28512, -2160, -10800,
-32400, 32400, 21600, -86400, -64800, 64800, 64800,
12960, 0, 4320, 21600, 64800, -43200, 43200, -64800,
-25920, 0, 0, -64800, 64800, 0, -7200, 21600, 72000,
-25920, -51840, 0, 0], [1, -3, 36, 126, 945, 945,
-1890, -64, -216, -2016, -2520, 15120, 1176, 2520,
-12600, -2520, -1120, 13440, 14560, 180, -252, -3780,
-26460, 7560, 504, 35280, -7560, -10080, -10080, -3780,
11340, 22680, -30240, 0, 360, 4536, 10584, -34776,
-17136, -18144, -33264, -2016, 0, 54432, 72576, 18144,
54432, -3024, 0, 75600, 0, 0, -30240, -90720, -30240,
-120960, -42336, 120960, 1728, -47520, 25920, 34560,

86400, 38880, -139968, 15120, -45360, 0, 30240, 0,
10080, -30240, 20160, 0, 0, 0, 0], [1, -6, 15, -60,
135, -990, 585, -40, 120, -120, 840, -1440, 180, -1500,
-1380, -1140, 800, 1440, 1840, 120, -240, 1440, 5040,
-2520, 480, 7680, 7200, 480, 3360, -4320, -25920,
-4320, -17280, 17280, 168, 72, -7560, 11160, -3360,
-7200, 8640, -4800, 14400, 25920, 11520, 1296, -27216,
-1980, 180, 1260, -2340, 2880, -5760, -12960, 18720,
10080, -31680, 10800, 4320, 1440, -34560, -4320,
-18720, 17280, 34560, 1440, 25920, 12960, 28800,
-69120, -15840, 4320, 11520, -15120, 15120, 0, 0], [1,
-11, 0, -110, 605, 165, -330, 0, 440, 0, -3080, 880,
-880, 0, 10560, 880, 0, -5280, -5280, 0, -440, 1320,
-5280, 2640, 1320, -6160, -19800, 2640, -7920, -660,
12540, 9240, 10560, -10560, 88, -1848, -3960, 3960,
4400, -5280, -2640, -5280, 1760, 31680, 14080, 1056,
-11616, -880, 2640, 18480, -7920, -1760, 21120, 47520,
-15840, -36960, -26400, 0, 5280, 12320, -5280, -10560,
24640, -36960, 10560, -14080, -42240, 5280, 8800,
42240, 5280, -15840, -95040, 31680, 21120, 38400, 0],
[1, -18, 21, 156, 1935, -4770, 1035, 56, 384, -3696,
-6720, 14040, -1104, 11760, -4560, -10320, -4480,
-1920, 9280, -210, -552, -1620, 19080, -7650, 1824,
-13440, 12960, -9120, 34080, 7740, 5400, -11340, 27360,
-9720, 480, 2016, 6624, -10656, -1536, 43776, -2304,
33024, -37440, -105408, -105984, 13824, 41472, -1104,
-720, 5040, 2160, -9600, -86400, -90240, 44640, 70560,
25344, 20160, 4608, 0, -69120, 23040, 0, 0, 41472,
-23040, -69120, 69120, -46080, 69120, 69120, 276480,
207360, -69120, -207360, -69120, -120960], [1, -11, 60,
70, 105, 945, -210, -40, -200, -1680, -3080, -2520,
1400, 7000, 7560, -8120, -5600, 6720, -10080, 300, 140,
420, -3780, 840, -5880, -6160, 21000, -20160, -17920,
2940, 11340, -7560, 53760, -20160, -712, 1512, 14280,
5880, -6160, -30240, 38640, 19040, 20160, -50400,
-40320, -18144, -22176, -560, -3360, -15120, 10080,
24640, -43680, 68320, -30240, 47040, 77280, -67200,
5760, -19680, -17280, 51840, 3840, -56160, 31680,

-1680, 45360, -40320, -84000, 80640, -23520, 70560,
-47040, 0, 0, 0, 0], [1, -15, 60, -42, -567, -315, 126,
-4, 48, 168, 4368, 1260, 0, -1680, -9408, 6384, 2240,
0, 3136, 156, -420, 252, 4284, -1008, -672, -4704,
-10080, -672, 1344, -756, 2268, 1512, 15120, -6048,
-624, -1008, -3024, -11088, 4704, 28224, -30240, 6720,
16128, 0, -16128, -36288, 36288, 1008, 8064, -13104,
-2016, -8064, 20160, -28224, -26208, 4032, 44352, 0,
1728, -9792, 43200, -6912, 18432, -8640, -38016,
-11088, 9072, 18144, -40320, 24192, 4032, -60480,
56448, 48384, -48384, 0, 0], [1, -21, 90, 0, -405,
1485, -270, 50, 0, -720, 1080, -5130, -840, 900, 1440,
-3780, -400, -3120, 2080, -90, -630, -270, -8370, 2160,
4500, 3960, 18900, 9360, 16920, -3240, 12960, -3240,
-45360, 12960, -72, 432, 9720, 10800, -1800, -23760,
29160, -7200, -4320, -45360, 10800, 7776, -20736, 1260,
7560, -9180, 4320, -12240, 6480, -18720, -18360, -8640,
47520, 0, -3240, -36720, -9720, 12960, -73440, 110160,
0, -4320, 51840, -38880, 43200, -51840, 40320, 8640,
37440, -38880, 103680, -129600, 0], [1, -29, 186, 112,
-1365, -315, 210, 122, -848, -3696, 8680, 3150, 392,
13300, -15120, 5740, -10640, 21840, -10080, -474, 1274,
8610, 8190, -3360, 1428, -28840, -18060, 25200, -65800,
-840, -30240, 2520, -1680, 10080, 1448, 2016, -7896,
-27552, -12712, 1008, -27384, -45472, -12096, 117936,
130032, 42336, 16128, -2996, -12600, -36540, 10080,
22960, 21840, 108640, 88200, 33600, -125664, -53760,
2232, 2640, 101160, 7200, 132000, -134640, -110592,
3360, 120960, -10080, 6720, -120960, 26880, -262080,
-288960, -211680, -80640, 342720, 322560], [1, -39,
396, -378, -6615, 12285, -1890, 212, -3168, 504, 60480,
-56700, 5712, 0, -115920, 30240, 8960, 13440, 17920,
-1044, 9324, 26460, -139860, 30240, -29232, -80640,
257040, -50400, 100800, 26460, 102060, -22680, 166320,
-90720, 4608, -18144, -133056, 187488, 56448, 217728,
-48384, 177408, -72576, -108864, -580608, 72576,
-145152, -17136, 0, 347760, -90720, -80640, -120960,
-322560, 151200, -302400, -532224, 483840, 50112,

138240, -440640, 172800, -345600, -570240, 995328,
-105840, -408240, 90720, -665280, 1088640, 161280,
241920, 1290240, -362880, 725760, 1451520, -2903040],
[1, -18, 165, -420, 1575, 3150, 7875, -40, -480, -1680,
-16800, -37800, 3360, 16800, 84000, 84000, -44800,
-134400, 44800, 510, -840, 6300, -12600, -97650,
-23520, -33600, 50400, 168000, -33600, 44100, 37800,
283500, -252000, -37800, -2112, 12096, 20160, 141120,
13440, -241920, -443520, 215040, -120960, -120960,
241920, 193536, 387072, 3360, -50400, -50400, 151200,
134400, 403200, -268800, -100800, -705600, -322560,
403200, 5760, 57600, -259200, -230400, 460800, 518400,
-552960, -25200, 151200, -75600, -201600, 151200, 0, 0,
0, 0, 0, 0, 0], [1, -21, 180, -630, 945, -945, -1890,
-10, -360, 1260, -2520, 5670, 1680, 0, 5040, -10080,
-11200, -6720, 4480, 360, -1260, 3780, 3780, 26460,
-12600, -5040, -37800, 70560, 40320, 26460, -11340,
-68040, -83160, 45360, -1872, 9072, -15120, -15120,
20160, 0, 60480, -40320, -90720, 90720, 0, 72576,
-72576, 5040, -30240, 15120, -60480, 20160, 60480,
-40320, 30240, 120960, -120960, 0, -4320, 60480, 38880,
-138240, -138240, 77760, 103680, -15120, -45360, 90720,
151200, -181440, 40320, -120960, 80640, 0, 0, 0, 0],
[1, -26, 225, -900, 1215, -810, 1215, 40, -480, 3600,
-1440, 3240, 0, -9600, -11520, -5760, 12800, 28160,
-10240, 90, -1080, -540, -3240, -18630, 1440, 25920,
21600, -46080, -34560, 1620, -22680, 50220, 38880,
-22680, -1152, 6912, -17280, 0, 5760, 34560, 17280,
-46080, -34560, 0, 34560, 20736, -20736, 5760, -17280,
51840, 51840, -46080, -138240, 92160, 103680, -103680,
0, 0, -17280, 34560, -51840, 69120, 69120, -103680, 0,
23760, -90720, -110160, 86400, 90720, 23040, 161280,
-184320, -103680, 103680, 0, 0], [1, -33, 330, -1320,
2475, -495, -990, 110, -1320, 5280, -13200, -4950, 0,
-3300, 33000, 16500, 4400, -39600, 8800, -330, 1650,
-4950, 4950, 19800, 8580, 6600, -9900, -52800, 6600,
-19800, 0, -59400, 79200, 0, 528, 2376, 7920, 27720,
-30360, -71280, -91080, 132000, 71280, 0, -71280,

-9504, 76032, 1980, -19800, -9900, -79200, 39600,
118800, -79200, -19800, 158400, -110880, 0, -19800,
39600, -59400, 79200, 79200, -118800, 0, 79200, 0,
237600, -316800, 0, -158400, 0, 158400, 47520, -380160,
302400, 0], [1, -42, 537, -2436, 4095, -4410, 1575,
200, -3552, 13776, -16800, 27720, 4032, -6720, 6720,
-47040, -17920, 0, 4480, -942, 10920, -21420, 32760,
-33390, -12768, -47040, -110880, 134400, 134400, -6300,
68040, 117180, -110880, -22680, 3840, -24192, 16128,
-88704, -13440, 145152, 249984, -118272, 145152, 0,
-145152, -193536, -193536, -12096, 20160, -20160,
141120, 161280, 0, -80640, -403200, -403200, 354816,
120960, 21888, 80640, 190080, -460800, -460800, 380160,
248832, 25200, -272160, -468720, 443520, 272160,
-322560, 0, 322560, 967680, 967680, -967680, -725760],
[1, -53, 900, -5670, 11025, -945, -1890, 310, -8040,
51660, -63000, -34650, 15120, -117600, 25200, 100800,
56000, 123200, -44800, -1800, 34020, -132300, 18900,
56700, -103320, 378000, 415800, -50400, -604800,
132300, -56700, -340200, -415800, 226800, 9648,
-123984, 226800, 166320, 282240, -120960, -725760,
-443520, -453600, -997920, 1451520, 72576, 870912,
-45360, 352800, -75600, -302400, -504000, -1108800,
806400, 151200, 1814400, 1330560, -1209600, 177120,
-648000, -712800, 172800, 2073600, 1425600, -2488320,
-529200, 226800, 1360800, 1663200, -2721600, 1008000,
2217600, -3225600, -362880, -4354560, -3628800,
7257600], [1, -66, 1485, -13860, 51975, -62370, 10395,
440, -15840, 166320, -554400, 415800, 36960, -554400,
1663200, -554400, 492800, -1478400, 246400, -2970,
83160, -623700, 1247400, -311850, -332640, 3326400,
-4989600, -3326400, 3326400, 623700, -3742200, 1871100,
4989600, -1247400, 19008, -399168, 1995840, -1995840,
1330560, -7983360, 3991680, 5322240, -3991680,
11975040, -7983360, 4790016, -4790016, -110880,
1663200, -4989600, 1663200, -4435200, 13305600,
-4435200, 9979200, -9979200, -15966720, 6652800,
570240, -5702400, 8553600, 11404800, -11404800,

-17107200, 13685760, -2494800, 14968800, -7484400,
-19958400, 14968800, 8870400, -26611200, 17740800,
-23950080, 23950080, 43545600, -39916800]]

===== n=13 =====

[[1, 156, 8580, 205920, 2162160, 8648640, 8648640,
2288, 205920, 5765760, 57657600, 172972800, 69189120,
1098240, 46126080, 461260800, 922521600, 102502400,
1230028800, 1230028800, 820019200, 34320, 2471040,
51891840, 345945600, 518918400, 23063040, 691891200,
4151347200, 2767564800, 1845043200, 11070259200,
4920115200, 103783680, 2075673600, 6227020800,
8302694400, 16605388800, 8302694400, 494208, 27675648,
415134720, 1660538880, 830269440, 221405184,
4428103680, 13284311040, 8856207360, 17712414720,
1660538880, 19926466560, 19926466560, 53137244160,
39852933120, 5313724416, 31882346496, 42509795328,
6589440, 276756480, 2767564800, 5535129600, 1845043200,
22140518400, 22140518400, 29520691200, 11070259200,
66421555200, 88562073600, 53137244160, 106274488320,
88562073600, 79073280, 2372198400, 14233190400,
9488793600, 12651724800, 75910348800, 50606899200,
56932761600, 113865523200, 182184837120, 303641395200,
830269440, 16605388800, 49816166400, 66421555200,
132843110400, 199264665600, 318823464960, 7380172800,
88562073600, 88562073600, 236165529600, 354248294400,
53137244160, 318823464960, 425097953280, 289839513600,
579679027200, 1062744883200, 1961990553600], [1, 131,
5830, 106920, 776160, 1718640, 332640, 1738, 123420,
2531760, 16077600, 20512800, -2882880, 570240,
16558080, 91660800, 35481600, 28582400, 145868800,
-51251200, 31539200, 23320, 1283040, 18627840,
68745600, 19958400, 10127040, 192931200, 492307200,
-115315200, 366643200, 425779200, -205004800, 37255680,
412473600, 239500800, 984614400, -691891200, 319334400,
296208, 12152448, 115758720, 196922880, -34594560,
79478784, 879943680, 510935040, 1050255360, -738017280,
463034880, 2363074560, -830269440, 2043740160,

-1660538880, 1055932416, 1226244096, -1771241472,
3421440, 99348480, 549964800, 212889600, 514483200,
2625638400, -922521600, 1135411200, 2199859200,
2554675200, -3690086400, 6301532160, -4428103680,
3406233600, 34721280, 661478400, 1687910400,
-395366400, 2514124800, 2919628800, -2108620800,
6751641600, -4744396800, 7007109120, -12651724800,
298045440, 3299788800, 1916006400, 7876915200,
-5535129600, 7664025600, -13284311040, 2057932800,
10502553600, -3690086400, 9083289600, -14760345600,
10559324160, 12262440960, -17712414720, 34371993600,
-24153292800, 40874803200, -81749606400], [1, 110,
4003, 58536, 342216, 766080, 650160, 1276, 71508,
1113504, 5493600, 9293760, 4737600, 265824, 5353152,
21383040, 30401280, 5438720, 14156800, 32291840,
-7598080, 15046, 632880, 6752592, 20905920, 24403680,
3804864, 46448640, 106202880, 111605760, 33600000,
53222400, -9318400, 10584000, 67011840, 117573120,
-21288960, 202245120, -76930560, 164664, 4955328,
33711552, 65850624, 45166464, 22579200, 142958592,
250822656, -22708224, 215728128, 88107264, 229340160,
523127808, -492355584, -75479040, 96768000, 153280512,
-80510976, 1594944, 32118912, 128298240, 182407680,
97896960, 254822400, 581253120, -273530880, 201600000,
319334400, -167731200, -136249344, 1294368768,
-820592640, 13045248, 159252480, 364124160, 382648320,
230400000, 364953600, -95846400, -145981440,
1386823680, -1688076288, -575078400, 84672000,
536094720, 940584960, -170311680, 1617960960,
-1846333440, -603832320, 391587840, 1019289600,
2325012480, -2188247040, -670924800, 967680000,
1532805120, -805109760, -743178240, 7060193280,
-9847111680, -3715891200], [1, 107, 3670, 46440,
171360, -95760, -393120, 1282, 67980, 898800, 2167200,
-4284000, -2157120, 270720, 4623360, 4569600,
-22579200, 6003200, -4659200, -12544000, -2867200,
15160, 591840, 4838400, 1008000, -16329600, 3917760,
35683200, -44755200, -47577600, 44083200, -116121600,

18636800, 11128320, 35078400, -108864000, 26611200,
-53222400, -29030400, 166608, 4507776, 18506880,
-29514240, -20079360, 23740416, 74833920, -232243200,
28385280, -56770560, 97251840, -75479040, -203212800,
-185794560, 150958080, 126959616, -334430208,
161021952, 1624320, 27740160, 27417600, -135475200,
108057600, -83865600, -225792000, -103219200,
264499200, -696729600, 335462400, 170311680,
-340623360, -309657600, 13432320, 122342400,
-153446400, -163123200, 302284800, -796262400,
191692800, 182476800, -364953600, -637009920,
1150156800, 89026560, 280627200, -870912000, 212889600,
-425779200, -696729600, 1207664640, 432230400,
-335462400, -903168000, -825753600, 1341849600,
1269596160, -3344302080, 1610219520, 928972800,
-1857945600, -3715891200, 7431782400], [1, 93, 2847,
35841, 194418, 401940, 93240, 902, 41112, 548730,
2758980, 4281480, -488880, 112416, 1980216, 11158560,
12180000, 1354640, 18231360, 9481920, 12812800, 8994,
298422, 2755620, 9039240, 3583440, 1155924, 13333320,
52481520, -7489440, 7096320, 103259520, 59377920,
1690416, 12005280, 18869760, 4415040, 27457920,
-7015680, 81432, 1896552, 12223008, 24210144, -7475328,
4517856, 43843968, 94953600, 41174784, 102219264,
1433376, 49206528, -92534400, 173892096, -11321856,
-23321088, 34836480, 162957312, 620232, 9602208,
44160480, 27498240, 9189600, 145837440, -11652480,
218158080, -48585600, 72576000, 339494400, -190536192,
-261854208, -74833920, 3637584, 35946720, 121331520,
-64748160, -3432960, 395504640, 402370560, -204145920,
-280558080, -153944064, -86261760, 13523328, 96042240,
150958080, 35320320, 219663360, -168376320, -90574848,
6370560, 218695680, -411264000, 772853760, -100638720,
-233210880, 348364800, 1629573120, -1039288320,
-1428295680, -898007040, -557383680], [1, 88, 2397,
23336, 72408, 63840, 21840, 902, 36022, 334880, 645680,
312480, -178080, 107776, 1031296, 143360, -448000,
215040, -3978240, -4372480, -2867200, 9194, 258352,

1422960, 1391040, 971040, 1168384, 4486720, -833280,
-5187840, -5626880, -12615680, -14049280, 2216256,
1370880, 7580160, -18332160, -19514880, 4677120, 84452,
1532832, 4091808, 3018624, -1003968, 4503296, -1569792,
2688000, -28542976, -38793216, 8539776, -3773952,
-10160640, -23998464, 7547904, -5419008, 28385280,
-35094528, 660032, 6749568, 6478080, 8547840, 7616000,
-26664960, -33761280, -43294720, -11289600, 59136000,
-73113600, -63393792, -17031168, 49889280, 4086144,
17790720, 11589120, -8156160, -25743360, -9461760,
-93143040, -67921920, -18247680, 102629376, 57507840,
17730048, 10967040, 60641280, -146657280, -156119040,
112250880, 60383232, 37954560, -16773120, -45158400,
-106659840, 67092480, -54190080, 283852800, -350945280,
-345784320, -92897280, 598671360, 371589120], [1, 84,
2037, 13320, -25704, -211680, -45360, 914, 33066,
195552, -730800, -1965600, 393120, 116160, 790272,
-3467520, -322560, 1057280, -537600, 5591040, 3727360,
9318, 224208, 317520, -5019840, -1723680, 1290240,
907200, -22498560, 9918720, 4515840, 17418240,
12042240, 2503872, -9434880, -8709120, 4354560,
24675840, 4354560, 86292, 1215648, -2776032, -15603840,
3011904, 5564160, -15676416, -5225472, 13547520,
44126208, 12120192, -68802048, 30481920, 81285120,
-22643712, 2322432, -13934592, 18579456, 683712,
4185216, -26369280, -13063680, 15321600, -54190080,
56125440, 74833920, 4838400, -29030400, 38707200,
-25546752, 51093504, 46448640, 4344192, 725760,
-91445760, 24468480, 18247680, 43130880, 72990720,
-27371520, 54743040, 95551488, -172523520, 20030976,
-75479040, -69672960, 34836480, 197406720, 104509440,
-181149696, 53867520, -305786880, 135475200, 361267200,
-201277440, 23224320, -139345920, 185794560,
-139345920, 278691840, 557383680, -1114767360], [1, 80,
2158, 25116, 128001, 236580, 170460, 616, 24888,
329784, 1603800, 1977360, 1099200, 51264, 1169952,
6054240, 2988480, 1507520, 8617600, -2095360, 2587520,
4756, 138600, 1339452, 4114320, 3948480, 342384,

7385040, 20479680, 15130560, 15844800, 22838400,
-5900800, -30420, 7709040, 17381520, 47471040,
38689920, 43640640, 31824, 671328, 4617072, 6145344,
8167104, 927360, 20166912, -129024, 41953536,
-40591872, -3950496, 16813440, 60939648, 130461696,
141972480, -11669760, -45854208, -45029376, 152544,
2523552, 11519040, 8628480, 3879360, 37286400, 5694720,
43537920, -4156800, 25401600, 67430400, -31071744,
-35177472, -18224640, 243648, 6050880, 6428160,
43902720, 28915200, -45388800, -103219200, 70364160,
169620480, -37490688, -23961600, -3266640, 1206720,
-42344640, 137905920, -174205440, 321788160, -25159680,
-30994560, -86515200, 109601280, 149852160, 617011200,
-116697600, -458542080, -450293760, -169482240,
-191877120, -218695680, -154828800], [1, 73, 1647,
14021, 44778, 21540, -48360, 602, 18952, 157430,
428780, -128520, -145680, 36256, 351736, 1177760,
-1132000, 72240, 1536960, -287680, 396800, 4994,
105742, 553380, 622440, -1466160, 218764, 1328920,
610320, -1955040, 171520, -2545280, -2970880, -58224,
-148320, -7712640, -1181760, -8081280, -6900480, 35912,
483672, 1744608, -551136, -828288, 226016, 4729728,
-7190400, 6873344, -185856, -3160224, -628992,
-3749760, -7110144, -22242816, -3783168, -4792320,
-3483648, 198632, 1561248, 4022880, -7983360, -1544800,
13107840, -151680, 7930880, -11145600, -29568000,
-33369600, 6302208, 23012352, 4730880, 677424, 3426720,
1609920, -2828160, -2050560, -3240960, -9891840,
-10033920, -8916480, 9732096, 9584640, 23808, 8605440,
-32325120, 29713920, 13685760, -48107520, 10063872,
-11869440, 23316480, 9446400, 38031360, -93265920,
-37831680, -47923200, -34836480, 34375680, 125521920,
56770560, 61931520], [1, 70, 1443, 10376, 33096, 94080,
112560, 596, 16348, 90944, 207200, 826560, 638400,
29944, -20048, -451360, 1426880, -530880, -2284800,
1514240, -609280, 5126, 93040, 328272, 1149120,
2362080, 190624, -916160, 497280, 6908160, -4457600,
-8825600, 3046400, 147840, -322560, 1048320, -3816960,

-2580480, -1128960, 37544, 385728, 904512, 4349184,
4281984, -85120, -4827648, 1430016, -8479744, 3913728,
-1161216, 0, 9289728, -10450944, -5806080, -967680,
-9934848, 9805824, 216944, 961632, 3272640, 10846080,
-3955840, -12633600, 17041920, -9748480, -2822400,
-25536000, 13977600, 17504256, -25546752, 7311360,
848448, 631680, 11900160, 22187520, -15974400,
-39321600, 23347200, 14607360, -35665920, 15040512, 0,
1303680, -161280, 15644160, -20858880, -1290240,
1935360, 0, -4623360, 6451200, 47738880, -29245440,
-25804800, -9676800, -99348480, 98058240, 95477760,
-139345920, 87736320, 0], [1, 67, 1221, 5381, -7854,
-33180, -31080, 608, 15148, 43232, -183400, -252000,
-178080, 36124, 5824, -621040, -589120, -161280,
-309120, -44800, -232960, 5204, 79096, -2352, -478800,
-581280, 258748, -811160, -21840, -1448160, -1158080,
1120000, 1379840, 247632, -181440, 1229760, 2412480,
6168960, 2983680, 38420, 277452, -716856, -826896,
-1272096, 356720, -2858688, -1912512, -1410304,
2451456, -491904, 7487424, -1185408, 951552, 10257408,
-1241856, 1967616, 1032192, 226004, 303912, -2236080,
-2953440, -1509760, 1559040, -3279360, -5286400,
-987840, 13695360, 14945280, 8633856, 2838528,
-6558720, 922704, -2228160, 158400, -6865920, -6362880,
698880, 4055040, 17475840, 19491840, -13492224,
-9584640, 1741152, -6249600, -4556160, 107520,
10967040, 14031360, -10063872, -3252480, 20482560,
-18063360, -29890560, 39997440, -12418560, 19676160,
10321920, 47093760, 15482880, -78704640, -61931520],
[1, 62, 871, -1464, -44184, -26880, 65520, 628, 13068,
-26208, -453600, 436800, 208320, 46464, 21504, -215040,
2042880, 465920, 2222080, -716800, 573440, 5314, 53136,
-502992, -1176000, 1602720, 358848, -1532160, 2338560,
752640, 3333120, 3225600, -3727360, 286272, -4112640,
1935360, 2580480, -12579840, -6289920, 39960, 84672,
-2753856, 1338624, 1459584, 1128960, -2193408,
12515328, 12128256, -9805824, -209664, -5999616,
-2515968, -6709248, -11999232, -516096, 3096576,

-4128768, 242304, -930048, -7150080, 9999360, 2903040,
12042240, -3010560, 8601600, -3440640, -7741440,
-27525120, 5677056, -11354112, -10321920, 1062144,
-8271360, 2073600, 6727680, 12165120, 22855680,
-16220160, -6082560, -36495360, -21233664, 38338560,
2644992, -25804800, 36771840, 49029120, -43868160,
-65802240, 40255488, 645120, -7741440, 7741440,
20643840, -30965760, -5160960, 30965760, -41287680,
30965760, -61931520, -123863040, 247726080], [1, 71,
1780, 19770, 95385, 185955, 54630, 418, 17220, 232260,
1047600, 1763250, -88260, 37440, 858480, 3280800,
5725200, 1114400, 1676800, 7076000, -2780800, 2020,
68940, 743940, 2373900, 1350000, 286440, 5227200,
12972600, 1304400, 9451200, 10072800, -5886400, 585180,
7924500, 6193800, 24139800, -6922800, 12420000, 4608,
172368, 1361520, 4772880, -2601360, 1036224, 7994880,
35490240, 3260160, 54990720, 5323680, 31937760,
-6618240, 42572160, -6626880, 9398016, 64907136,
92222208, -40560, -153120, -1266000, 4118400, 4147200,
-9067200, 29774400, -51312000, 25413600, 12700800,
-76252800, 51384960, 113541120, -7545600, -609120,
-4809600, -9396000, -21441600, 10252800, 1785600,
-18720000, 85060800, -88387200, 200517120, -10483200,
-4070160, -32871600, -2959200, -34423200, 119649600,
88041600, 367061760, -15235200, -114768000, -76089600,
-215308800, -245606400, -32042880, -107066880,
-85962240, -63417600, -68083200, -90547200, -67737600],
[1, 62, 1240, 10050, 29235, 16260, 11700, 382, 11010,
100230, 216810, -40080, -70440, 15840, 290400, 254640,
-558240, 390800, -481760, -678400, -321280, 2200,
43020, 270900, 196080, 384480, 52620, 1246860,
-1008000, -1266000, 2707680, -3625920, 1126400,
-111420, 762480, 2179440, 3432960, -2030400, 1494720,
9468, 134136, 430020, -320400, -294480, 118656, 581760,
-3726720, 72000, -3484800, -699480, -2976480, -3702240,
-9112320, -9659520, -1540224, -5730048, -7538688,
11280, 296160, -248640, 2407680, 1518480, -5498880,
-3921600, -5571840, 2962560, 10264320, 4012800,

-6779520, -10771200, 1267200, -213840, 134640,
-2825280, -705600, 7453440, -10759680, 9792000,
10177920, -2073600, -22809600, 2995200, -1724400,
-3147840, 11931840, 5299200, -1267200, 13858560,
-41333760, -4957920, -15649920, 892800, -20597760,
-16473600, -576000, 31656960, 43223040, 3456000,
22118400, 15206400, 19353600], [1, 57, 975, 6645,
22410, 34020, 11160, 362, 7560, 45990, 160140, 260280,
-32400, 3840, 2520, 243360, 942240, -86800, 173760,
686400, -43520, 2370, 30510, 129060, 236520, 231120,
-39060, -273960, 32400, 237600, -622080, 1998720,
-364800, -192240, -1277280, -224640, -2756160, 3484800,
-1278720, 12168, 95256, 419040, 514080, -570240,
-280224, -190080, 4060800, -449280, 2695680, -865440,
-6739200, -1537920, -4400640, 4078080, 769536,
-1548288, -3852288, 35880, 182880, 620640, 1336320,
-634080, -1077120, 2390400, -629760, -1100160,
-3870720, 1497600, 1589760, -2903040, 921600, -29520,
300960, -717120, -3196800, 898560, 8801280, -4608000,
-6808320, 6566400, -2211840, 0, -668160, -610560,
3663360, 806400, 11289600, -8847360, -7188480, -679680,
-12718080, -10368000, -1290240, 22118400, 10091520,
-1105920, -19353600, 15206400, -2764800, 11059200, 0],
[1, 54, 792, 3210, -2589, -33180, -8460, 374, 6906,
22302, -47550, -267600, 48120, 7680, 29952, -82320,
-262560, 14480, -40800, -111360, -16640, 2448, 25068,
22140, -360240, -175680, -420, 109500, -1272960,
420720, 150240, -423360, 215040, -118188, -16080,
-202320, -944640, -183360, -498240, 12732, 62328, 8388,
-1086480, 422064, -124800, 1052544, -127872, 417600,
-339072, -478488, 175392, 2023200, 871680, 2994048,
849792, 4094208, 3987456, 39792, 78336, -473280,
-650880, -169200, 11520, -96960, -410880, -201600,
1440000, 2016000, 1450368, 1430784, -668160, -12048,
458160, -2986560, 1932480, 1524480, 698880, 760320,
-4014720, -1474560, 6755328, -1797120, -679344,
2823360, 123840, -491520, -6305280, -4988160, 12340224,
-1536480, 1537920, 3427200, -2534400, 4354560, 3755520,

12487680, 1935360, -5022720, -18063360, -8017920,
-11612160], [1, 51, 645, 1845, 3570, 17700, 5400, 368,
5100, -3600, -1800, 69600, -45600, 3420, -115200,
-188400, -129600, -160000, -278400, -480000, 217600,
2580, 19320, 3600, 250800, 136800, -11460, -360600,
-18000, -780000, -292800, 172800, -115200, 6480,
571200, 446400, 907200, -1449600, 403200, 13908, 19788,
62280, 503280, -133920, -285456, -811200, -273600,
-11520, -1689600, 232320, 492480, -144000, 4680960,
-1428480, 681216, 308736, 933888, 50580, -117720,
632400, 640800, -988800, -2419200, -2803200, 3724800,
2376000, 547200, -2073600, -852480, 3870720, -1152000,
65040, -225600, 792000, -576000, -1017600, -652800, 0,
2131200, 230400, -368640, 0, -274080, 969600, 1526400,
-1305600, -5376000, 1497600, 3502080, -172800,
-4492800, 460800, 13363200, -8294400, 5644800,
-3916800, 0, -7833600, 14745600, -13824000, 0], [1, 47,
421, -1599, -12774, -7980, -4680, 388, 4428, -22428,
-61200, 1200, 35520, 10284, -38256, 162960, 170880,
19520, 215680, 435200, -79360, 2644, 8856, -129312,
-27600, -125280, 37548, -47160, 707760, 587040, 294720,
806400, -232960, -1008, 509760, -267840, 204480,
293760, 449280, 14580, -40068, -318456, -171216, 64224,
-22320, 752832, 13248, -900864, 1115136, -10944,
713664, -805248, -1698048, -2045952, -66816, -2502144,
-3022848, 56004, -362328, 139920, -822240, 37440,
1731840, 2691840, -1190400, 1296960, -51840, -1720320,
-3654144, -4165632, 1428480, 94464, -732960, 259200,
420480, 933120, 1774080, -1013760, 138240, -2280960,
-2985984, 2396160, -201888, 1929600, -3404160,
-3502080, 5898240, 5736960, -7852032, -478080, 2626560,
483840, -2856960, -1935360, 2787840, -4285440,
-2580480, -10506240, -3870720, 17141760, 15482880], [1,
41, 115, -5055, -11550, 52500, 12600, 418, 3240,
-44730, 31500, 348600, -109200, 20760, 28560, 420000,
-638400, 324800, -224000, -716800, -179200, 2710,
-9990, -286020, 499800, 226800, 99540, -315000, 327600,
-1293600, 1075200, -5241600, 1164800, -115920,

-1360800, -604800, -2923200, 1814400, -1209600, 15768,
-137592, -383040, 2227680, -403200, 451584, 1532160,
-3064320, 1290240, -322560, -675360, -1935360, 2056320,
-1290240, 6289920, 838656, 3096576, 6709248, 65400,
-838320, 1528800, 1108800, 1915200, -940800, -4704000,
-2688000, -3158400, -6048000, 8601600, 1612800,
10321920, 3225600, 151920, -2253600, 6609600, -2102400,
5875200, -16819200, 5068800, -12614400, 11404800,
18247680, -11980800, 20160, -403200, 1209600, 1612800,
-3225600, -4838400, 7741440, -201600, 2419200,
-2419200, -6451200, 9676800, 1612800, -9676800,
12902400, -9676800, 19353600, 38707200, -77414400], [1,
66, 1605, 17220, 82935, 147330, 86355, 308, 14220,
183960, 906600, 1102500, 446940, 39840, 614880,
3520800, 1567200, 190400, 5884800, -1560000, 5123200,
570, 42840, 481140, 1751400, 1478250, 408240, 3625200,
12279600, 4820400, -1828800, 20116800, 15849600,
1418580, 6507000, 11526300, -17701200, 20077200,
-23031000, -7992, -34272, 490320, 643680, 2400840,
1378944, 10586880, -120960, 4181760, -21415680,
12350880, 39735360, 24766560, -38672640, -43973280,
29327616, 25318656, -66673152, -104160, -1458720,
-2556000, -3981600, -4800, 27676800, -13665600,
55392000, 24033600, 89812800, 83491200, 148642560,
44478720, 211478400, -659520, -9633600, -18792000,
5054400, -24307200, 3801600, 52416000, -31363200,
111196800, 79211520, 363916800, -2550960, -31341600,
-60685200, -86011200, -117374400, -191354400,
-240589440, -6883200, -45792000, -25833600, -73036800,
-69638400, -18074880, -58164480, -44029440, -38361600,
-40435200, -56851200, -43545600], [1, 55, 1044, 8090,
22809, 18003, -27066, 242, 7972, 71012, 151472, 77058,
-30372, 16960, 194416, 157088, 25616, 114720, -379392,
-489568, -286336, 548, 20620, 139524, 187596, -671568,
130600, 740032, 425208, -526128, 39616, -392480,
-834496, 333276, 828756, -3765240, -381480, -1104048,
-1890144, -3328, -3120, -2832, 526992, 24048, 387008,
-66048, 2263488, -2328832, -3011712, 2187936, 2527200,

-1531008, 2169216, 4335552, 2209536, 3712896, -2426112,
-46960, -343584, -629328, -2083968, 536576, -1530048,
-1454016, -1979776, 3628512, -17263488, -414336,
1676928, -13787136, -17855232, -271968, -1863552,
2075616, 1455552, -2207232, 10534656, -2825472,
2996928, -1710720, 9414144, -30131712, -813840,
-4963248, -1581408, -9517728, -513216, -14228352,
-11771136, -910464, 4477824, 8900352, 17475072,
27555840, -1132416, 8464896, 11321856, 1149696,
9441792, 7142400, 9676800], [1, 48, 750, 5052, 14913,
27684, 25308, 200, 4248, 31896, 72120, 140688, 127296,
2400, 49824, 30528, -52224, 46400, 13056, -203520,
-19328, 660, 9000, 44604, 159120, 257472, -8784,
-19440, 689472, 662976, -146304, 1103616, -242688,
-53460, -124560, 951696, -482112, 1360512, -222912,
144, 6624, -92880, 101952, 575424, 21888, -958464,
-1492992, -1327104, -73728, -283680, 114048, 1952640,
-1225728, -635904, -1322496, -1520640, 2912256, -16608,
-33120, -290304, -761472, 461760, 688896, -2025216,
56832, -211968, 3829248, -2884608, -4561920, 1824768,
-1829376, -101952, -434880, 89856, 822528, 211968,
2174976, -239616, -345600, 5087232, -4423680, -3649536,
-105552, -1599552, -5752512, -1200384, -1847808,
-1334016, 10340352, 1100160, 3663360, -4824576,
3465216, -8570880, 2488320, 2433024, 1548288, 4036608,
-1880064, 3594240, 0], [1, 45, 594, 2400, -3201,
-13677, -10026, 212, 3972, 17712, -63588, -71292,
-45552, 4620, 54576, -278412, -65784, 80720, -239952,
267072, 174304, 738, 8850, 13554, -104514, -86148,
11820, 74472, -427212, -58728, 123816, -272160, 115104,
-5544, 49296, -219600, -49320, -188688, -67104, 492,
13980, -106092, 139212, -236952, 83568, -836448,
-199152, -353952, 1001568, 47976, 52920, -179568,
211296, 778752, -569184, -1010304, 14208, -16260,
48096, -113388, 318312, 519696, -817488, 1703904,
2403744, 501912, -386928, 915264, -424512, 2908224,
3999168, -114288, 71808, 1598256, -548928, 34368,
-1607424, -646272, 229248, -1828800, -2226816, 6559488,

-251520, -69888, 1586592, -1194528, 1118784, -839232,
2456064, 212256, 3733344, 608832, 3745152, 1347840,
-434016, -3760704, -8204544, -578304, -3575808,
-2419200, -4147200], [1, 45, 639, 4305, 14034, 2388,
-36936, 182, 2712, 23562, 120612, 30408, -106032,
-3840, 14616, 526368, 168096, 17360, 1082688, 318912,
776704, 738, 3990, 10404, -27384, -568368, -58380,
-292728, 824688, -969888, -190464, 1952640, 2659584,
-135504, -1110624, -1059840, -308160, -3474048,
1518336, 1752, 10920, 57888, -57888, -231552, -81312,
20352, 540288, 246528, 910848, -371424, -1693440,
-540288, -443904, 916992, -213504, -405504, 43008,
-5880, -15264, 41952, -1225728, 3936, 2017152,
-1070976, 2110464, -920448, -903168, -1737216,
-1331712, 1465344, -1032192, -42288, -367392, 956736,
703872, -717312, -144384, 7999488, 1352448, -6658560,
-1622016, -1769472, 128640, -2028288, 156672, -4412928,
-9839616, 12146688, 3354624, 1656576, 221184, 9188352,
-14266368, 2211840, 2939904, 1622016, -8515584,
2635776, 5271552, 0, 0], [1, 40, 414, 1460, 2129, -252,
-2916, 192, 1712, 2912, 1632, 5008, -5472, -2960,
-19104, -18032, -51104, -17440, -48192, -87168,
-165376, 908, 3480, 5844, -24464, -40608, -31920,
-82608, 140928, 5312, -84064, -302400, -399616, -35364,
-234704, 16080, 83520, -35968, 219456, 2512, 6720,
29808, 75072, -25152, -39232, 42752, 19968, 144768,
-442112, 69696, 376320, -173568, 769536, -465408,
279936, 266496, -248832, -2880, 24576, -98528, -122688,
75296, 613632, 397184, -882176, -448448, 496512,
809984, 845568, -370176, 503808, -42848, 62688, 291456,
28032, 89088, -129024, -934912, -436992, -614400,
712704, 1148928, -400, -633408, -308928, 854272,
1027584, 1506048, -2174976, 660736, 390144, 494592,
-176128, -860160, -496896, -1027584, 3311616, -1818624,
-258048, -1996800, 0], [1, 36, 234, -840, -8187, -9564,
10764, 212, 1524, -4212, -42852, 18096, 11760, 912,
20880, -6000, 129696, 14768, 89664, 7872, 100864, 972,
408, -25164, -125808, 172512, -9312, 122064, 47232,

-56064, -80160, 267840, 279552, -21204, 21360, 237456,
-137664, 124800, 37440, 2832, -4560, -56304, -1728,
29376, 12000, 250176, 235008, 87552, 118272, 59280,
447552, -127296, 219648, -347904, 152832, -18432,
-454656, -1680, 33408, -334752, 467136, 70704, -145728,
-896448, 195072, -472896, -837504, -1357056, 375552,
-870912, -1815552, -45456, 354192, -247680, -168768,
-439680, -616704, 912384, 87552, 1393920, 1170432,
-2875392, -72528, 385728, 327744, -731136, -218112,
541440, -958464, 263232, 345600, -1214208, -322560,
-414720, -937728, -3119616, -552960, 1253376, 4442112,
1935360, 3317760], [1, 36, 270, 720, 7545, 23700,
27900, 188, 300, -9900, 11700, 63600, 128400, -5280,
-72000, -164400, -93600, -10000, 81600, 312000, 217600,
1080, 1920, 28800, 112800, 154800, -26160, -105600,
-792000, 168000, 343200, -475200, 652800, 63180, 73200,
-1191600, 475200, -393600, -100800, 3408, -10032,
107280, 233280, 492480, -100896, -398400, -1324800,
1255680, 1459200, 406320, 146880, -2059200, -867840,
1048320, 57216, 1149696, -1108992, 2880, -15120, 98400,
172800, -94800, -475200, 52800, 652800, 360000,
-892800, -57600, 126720, 69120, 0, -18960, 56400,
-144000, 792000, 182400, -1132800, 1152000, 115200,
-1785600, 783360, 0, 30720, -422400, -1785600, 2054400,
2496000, -806400, -1566720, 403200, 1555200, -3571200,
-3916800, 5529600, -1843200, 8755200, -6912000,
-3225600, 3225600, 0, 0], [1, 33, 141, -801, 78, -2100,
-9720, 206, 312, -10458, 10620, -31560, -33360, -1728,
-26748, 21840, -32400, -12400, 49920, 29760, 10240,
1104, -1560, 7272, 46320, -74880, -10416, 84720,
148320, 59520, 72960, -60480, 80640, 45360, 193920,
256320, 103680, 387840, -357120, 3576, -24528, 46944,
-91584, -131328, -59448, -145632, 43488, 171648, 77568,
209136, -181440, 859968, -1179264, 195840, -354432,
-195840, 417792, 3924, -31536, 69360, -167040, -34800,
-8640, 131520, -168960, 181440, -92160, -241920,
-589824, -359424, -184320, -18264, 132240, -33120,
-204480, -182400, -295680, 276480, 178560, 1025280,

-147456, -829440, 7440, -294720, 688320, 1067520,
-768000, -2407680, 1566720, 328320, -760320, 806400,
-599040, 0, -1163520, 714240, 0, 1428480, -3225600,
3594240, 0], [1, 28, -54, -2416, -747, 5700, 5580, 236,
172, -11788, 37220, 19440, 21840, 4432, 23152, 77840,
58400, 18000, -70080, -130240, -79360, 1124, -9080,
-28308, 27120, 11520, 12544, 122320, -199680, -151680,
-158240, 70720, -232960, -12180, -78480, -445680,
22080, -581760, 175680, 4016, -48048, 66864, -97344,
113472, 57632, 67008, 250368, -570112, -402432, -51984,
-774720, -706752, 446976, 449280, -329472, -138240,
479232, 6224, -76416, 180960, 135360, 194000, 144960,
-98880, 74240, -125760, 167040, 1562880, 504576,
1875456, 1428480, -14064, 201840, -616320, 256320,
-489600, 1701120, -721920, 1013760, -1624320, -1760256,
2396160, -20400, 233280, -175680, -583680, -230400,
702720, 552960, 160320, -875520, -172800, 936960,
691200, -933120, 1405440, 921600, 3502080, 1382400,
-5621760, -5529600], [1, 21, -285, -2955, 13050, 22500,
-23400, 278, -360, -13230, 100500, -149400, -25200,
13560, 38160, -252000, -350400, 132800, -480000,
499200, 332800, 1110, -22590, -34020, 343800, -205200,
36540, -261000, -1004400, 698400, -172800, 1094400,
268800, -166320, -496800, 1555200, -475200, 950400,
518400, 4968, -82152, 423360, 82080, -172800, 324864,
-426240, -760320, 829440, 1059840, -401760, 1866240,
1192320, 3317760, -2695680, 1299456, 1990656, -2875392,
10200, -223920, 1000800, -1195200, 667200, -4780800,
1440000, 1920000, -2390400, 4320000, -5990400, 3456000,
-7188480, -5990400, 720, -21600, 129600, -86400,
115200, -691200, 460800, -518400, 1036800, 1658880,
-2764800, -8640, 172800, -518400, -691200, 1382400,
2073600, -3317760, 86400, -1036800, 1036800, 2764800,
-4147200, -691200, 4147200, -5529600, 4147200,
-8294400, -16588800, 33177600], [1, 52, 975, 7280,
22035, 3900, 29445, 182, 7150, 56420, 184340, -188370,
-74490, 20800, 101920, 690560, -950560, -218400,
1335360, 260000, 490880, -130, 14560, 89700, 65520,

777270, 200200, 378040, -475800, -803400, -2113280,
-2175680, -2641600, 613860, 159120, 4326660, -5679960,
-3346200, 2859480, -7852, -56784, 123240, -1400880,
-400140, 430976, 3194880, -8561280, 3935360, 3569280,
3566160, -1965600, -4127760, -6739200, 7328880,
6829056, -16743168, 11112192, -58240, -692640, 162240,
3013920, -1437280, 8249280, 2277600, 6506240, 224640,
19481280, -13915200, 14551680, -7413120, 14851200,
-205920, -2439840, -5073120, -842400, -7587840,
-17272320, -8736000, -21827520, -18532800, -48522240,
-60652800, -340080, 37440, 7122960, 5834400, 19562400,
23531040, 40098240, -761280, 1422720, 4305600, 7388160,
11606400, -898560, 5541120, 7338240, 748800, 6739200,
5241600, 7257600], [1, 43, 660, 4202, 13233, 20559,
9438, 110, 3388, 20636, 70400, 130878, 6996, 7480,
11704, 82808, 445016, -92400, -220704, 384560, -75328,
-220, 2860, 12804, 33660, 102432, 56056, 77440, -28248,
389136, -425744, -1497584, 310112, 118140, 298980,
208296, -148632, -1405008, 319968, -4576, -40656,
-76560, -85008, -204336, 41888, 534336, 1735008,
203456, 65472, 142560, 1492128, 1425600, 361152,
-627264, -323136, 3769920, -1989504, -22528, -245520,
-590304, -83952, -484000, -1017984, 2153184, -603328,
-1539648, -229152, 2092992, -4646400, 7717248,
-4177536, -28512, -327360, -2227104, -1406592, -308352,
-4861824, 1017984, -1869120, -2965248, -3421440,
5854464, 132528, 1436688, -947232, 4161696, -4834368,
2813184, -7527168, 422400, 1837440, -925056, 3607296,
1393920, 1140480, 595584, 177408, 2158848, -1119744,
2027520, 0], [1, 40, 519, 1880, -1581, -15792, -5331,
122, 3322, 9212, -20068, -110142, 9858, 8800, -4544,
-25312, -150784, -53280, 72768, -128608, -98176, -142,
5440, 1644, -79344, -58038, 67480, -126008, -384072,
-9528, -152384, 515200, 279104, 148596, -415584,
-228780, 361560, 1217592, 428616, -4348, -15120, 65928,
-118128, 136548, 88448, 87552, -262272, 341888, 91008,
447696, -2207520, 26352, 1172736, -1226448, 320256,
-1211904, 154368, -24160, -123264, 481632, 159552,

-341344, 364992, -1026336, -1482496, -439488, -1371648,
579264, -1237632, -544896, -1928832, -54048, -105312,
986976, 515232, -287232, 2343936, 937728, 335808,
3706560, 3400704, 8863488, -26160, 945792, 1453392,
2002272, 271584, 3263328, 1232064, -129984, -429696,
-1528128, -3652608, -6572160, -66816, -866304,
-2790144, -232704, -1790208, -1324800, -2419200], [1,
38, 520, 3402, 9603, 6084, 7668, 70, 1578, 16926,
60930, -29232, -18504, 360, 39984, 226488, -122544,
56000, 436336, -129760, 179072, -200, -3780, -14796,
25200, 132192, -15204, 17820, 11232, 94896, 298416,
664416, -124288, -48060, 209520, 66096, 675648,
1639872, -533952, -2196, -29736, -140940, -345168,
-174096, -64512, -166464, -1233792, 736416, -1009728,
-372600, 127008, -1542240, 2840832, -445824, -634176,
-155520, 193536, -6048, -97920, -99504, 550368,
-268560, -706464, 797184, 554112, -124128, -1052352,
4488192, -319680, -2719872, -919296, 26928, -213840,
-756864, -50112, -1107072, -2778624, -3177216, 207360,
-1513728, 5184000, 843264, 267408, 779328, 1539648,
-2173824, 2460672, -4271616, 870912, 606240, 1221120,
987264, -2202624, -2465280, 915840, 1638144, -387072,
684288, 1368576, 0, 0], [1, 33, 330, 1152, 1023, 3759,
1998, 80, 1068, 2016, -9540, -10392, -13704, 540,
-6336, -43932, -32904, -12400, -43824, -480, -36128,
-30, 330, -4446, 51990, 36252, 2436, -43800, 2412,
-162744, -88824, -48384, 14112, -7560, 148560, 102096,
-79272, -328848, -48672, -1716, -4116, -43020, -53028,
-8856, 20688, -48864, 58608, -64224, 216672, -143160,
149688, -128880, -350688, 268416, -251616, 167040,
-138624, -7668, -4320, 130596, 88488, 76080, 381456,
-213216, -154848, 137592, 261648, -883008, 426240,
-758592, 529344, -1632, -64320, -323424, 103968, 95808,
744576, 566784, 87840, 81792, 1376640, -539136, 89088,
346368, -91872, 505056, 405312, -484416, -465408,
-4320, -669600, 552384, -284544, 1451520, -165600,
-991296, -145152, -531072, 112896, -760320, 0], [1, 29,
178, -672, -6465, -1437, -3978, 100, 1188, -2448,

-33444, 24564, 19824, 2508, 4080, -19020, 119112,
20816, 103216, -26176, 40160, 34, 1458, -12942, 22494,
-71172, 10764, -75672, 54036, 164184, 81960, 136800,
-97888, 8280, -2160, -103248, 78552, 74736, 11232,
-1620, 7452, -20268, 78156, 26856, 21744, -245088,
354960, 371808, -425376, -45720, -261576, 149904,
-65952, -138240, -88416, 473472, 91008, -9156, 48864,
227796, -253080, -32112, -222672, 71904, 82848, 209688,
322704, 499008, 411840, 221760, 607680, -16560, 54144,
92016, -96192, -285120, -638208, -595584, -380160,
-513216, -1047168, -2794752, 21888, 274176, -436320,
131040, -662976, 174528, -345600, -105696, -870048,
-298944, -1443456, -172800, 132768, 1142208, 2430720,
172800, 1022976, 677376, 1382400], [1, 30, 264, 1170,
819, -10332, -3276, 62, 162, 4662, 18522, -49392,
18648, -3000, 7056, 109368, -13104, 8960, 48048, 672,
52864, 48, -2340, -15876, -53424, -36288, -18900,
-65268, -175392, 89712, 17136, -514080, -287616,
-29484, -83664, -136080, 60480, -76608, 12096, -468,
2520, 24948, -51408, 81648, 16128, 245952, 217728,
6048, 197568, -20664, 30240, 538272, -854784, 24192,
52416, 314496, -64512, -2880, -18144, 140112, 74592,
-23184, -127008, -112896, 572544, 296352, -520128,
-1161216, -84672, 653184, 177408, 14832, -148752,
141696, -70848, -150912, -405504, -6912, 1340928,
1278720, -953856, -41472, 115920, 44352, 689472,
-620928, 451584, 96768, -677376, -18144, -193536,
-1427328, 1354752, 483840, -314496, -48384, 1161216,
-532224, -1064448, 0, 0], [1, 27, 180, 810, 3585, 9615,
3870, 62, -420, -2340, 2880, 47310, -7500, -3480,
-16920, -32280, 148680, 4400, -86880, 42000, -21440,
180, -420, -4140, -12660, 23040, -8520, -59520,
-192600, 142800, 74640, 62640, 141600, 2700, -68460,
-188280, 163080, 207600, -1440, -192, 6096, 3600,
-45360, -123120, 32736, 108480, 18720, -187200,
-358080, 48480, -228960, 83520, 217920, -83520, 192576,
-704448, 385152, -2880, 6480, 480, 62640, 68640, 34560,
189600, -64320, 74880, -188640, 72000, 351360, -604800,

259200, 6240, -50880, -303840, -201600, 193920, 255360,
201600, 279360, 633600, -495360, -518400, 51600,
325680, -182880, -400800, -1291200, -11520, 1509120,
-236160, 829440, 489600, 126720, -1209600, -581760,
754560, -172800, -460800, 460800, 0, 0], [1, 24, 78,
-252, -1695, -2172, -1188, 80, -192, -1008, -4464,
-9456, 2784, -1872, 1440, 10320, -34848, -5344, -41664,
384, -12800, 204, -552, 468, 14064, -8352, -4656,
15888, 95616, -27456, 5280, 112320, 99072, 540, 37680,
53712, 32832, 57216, -47808, -240, 4992, -5328, 12096,
29376, 14784, 85632, -57600, -104832, 86784, -9600,
82944, -112896, 112128, 23040, 104064, -85248, -33792,
-3456, 13824, 2976, -37440, -29472, -179712, -41856,
-72192, -119232, 8064, 442368, -126720, 345600,
-184320, 2400, -51936, 61056, 56448, 88320, 10752,
-82944, -149760, -516096, -534528, 165888, 45168,
-55104, 48960, -26880, 29184, -306432, 184320, -124416,
-304128, -36864, 313344, 0, 108288, 188928, -829440,
460800, 147456, 608256, 0], [1, 19, -72, -1282, -2475,
8643, 2502, 110, 28, -268, -1984, 47574, -14556, 1048,
20200, 19160, -52408, -5904, 58656, 8144, 21440, 224,
-2312, -10272, 6384, 12168, 1024, 12448, -51504,
-16896, -38000, -187760, -158368, -5700, -16380,
-57528, -36888, -135504, 22752, -160, 5232, -35088,
103536, -56304, 9824, 34752, -334560, 144128, 30144,
-10080, -56736, 117504, -384192, 112320, 97344, -96768,
119808, -3856, 42384, -120144, -39600, -123232, -34752,
247584, 104768, 44448, 107424, -439872, -319680,
-322560, -385920, -3840, 57984, 26496, 7488, -80640,
342912, 122496, 469440, 532224, 582912, 1628928, 18048,
-48384, -279360, 81600, 284544, 91008, 138240, -102336,
-134208, 470016, 121344, 172800, 364608, 1208448,
230400, -489600, -1707264, -728064, -1382400], [1, 20,
-2, 96, 3081, 2580, 1980, 76, -1092, -3516, -3420,
-11280, -14640, -2976, -10368, -28080, -16800, 31280,
95680, -78400, 43520, 376, 0, 21312, -480, 28080, 2064,
-5760, -169920, -127680, 116640, 239040, -202240,
43020, -15120, 41040, -308160, -86400, 129600, 144,

-3312, 7632, 28224, 10944, -12960, -42048, 182016,
66816, 27648, 4464, 43200, 260928, -105984, -103680,
-74880, 283392, -101376, -1536, 7152, -39840, 57600,
-3600, -133440, -143040, 130560, -93120, -17280,
-42240, -140544, 419328, -184320, 3888, -42480, -51840,
20160, 167040, 403200, -322560, -345600, -172800,
-27648, 368640, 23040, 92160, -172800, -679680, 529920,
1036800, -829440, -195840, 587520, 207360, -599040, 0,
184320, -1382400, 1198080, 829440, -829440, 0, 0], [1,
16, -114, -580, 945, -4956, -1764, 104, -776, 728,
9464, -5040, 14784, -368, 5824, 18032, 44576, -9408,
-34944, 43904, -7168, 356, -2648, 16044, -23856,
-16128, 4816, 21616, 61824, 95424, -24416, -182336,
19712, 21084, -27216, 43344, -95424, -88704, 44352,
176, -7392, -7728, -52416, -4032, -13888, -81984, 2688,
-39424, -118272, -54432, -112896, -266112, 354816, 0,
-112896, 0, 0, -1312, 21504, -11424, -20160, -16576,
131712, 102144, 57344, 135744, 201600, -333312, 193536,
-516096, 129024, 1728, -30144, 157824, -18432, 117888,
-400128, 224256, -271872, 359424, 949248, -202752,
20496, -124992, 100800, 75264, -193536, 177408, 0,
-115584, 258048, -290304, 236544, 0, 403200, -225792,
0, -451584, 1161216, -1419264, 0], [1, 10, -252, -634,
5031, 1380, 2340, 146, -602, 3314, 8870, -10800,
-15960, 4144, 9472, -65440, -58240, -19440, 16320,
-32320, -33280, 296, -8180, 11652, -37680, 24480, 7324,
-61460, -35520, -80400, -21440, 136960, 170240, -28380,
-61200, -147600, 359040, 411840, -83520, 524, -8232,
48612, 36144, 18864, 32000, -54528, 122496, -12544,
265728, -55656, 171360, 498528, -2304, -224640, 57600,
317952, -239616, -976, 28992, -86880, 135360, -46480,
594240, -323520, -248320, 323520, -558720, 387840,
-117504, 465408, 599040, -1392, 7440, -123840, -54720,
-138240, -268800, -215040, -74880, -483840, -1179648,
-1751040, 9840, -112320, 83520, 280320, 115200,
-334080, -276480, -77280, 420480, 86400, -445440,
-345600, 449280, -668160, -460800, -1681920, -691200,
2672640, 2764800], [1, 2, -380, 750, 13335, -23100,

-6300, 202, -930, 2730, -22050, -92400, 54600, 11280,
-30240, -252000, 470400, 64400, 280000, -78400, 89600,
160, -17460, 61740, 58800, 0, 4620, -346500, 705600,
-8400, 100800, 0, -582400, -142380, 529200, 529200,
-201600, -1512000, -302400, 1548, -5544, 255780,
-478800, 5040, 193536, -645120, 443520, 1048320,
-1128960, 42840, 1784160, -1844640, -3467520, 1572480,
1080576, -2999808, 1677312, -1200, -36960, -184800,
-100800, -176400, -1041600, 436800, -268800, -840000,
-604800, 940800, -2016000, 1128960, -1612800, 720,
46800, 129600, 187200, 115200, 1497600, 460800,
1123200, 1036800, 1658880, 5990400, 5040, -100800,
302400, 403200, -806400, -1209600, 1935360, -50400,
604800, -604800, -1612800, 2419200, 403200, -2419200,
3225600, -2419200, 4838400, 9676800, -19353600], [1,
35, 484, 2970, 9009, 7623, -29106, 22, 1452, 12012,
44352, 142758, -30492, 3960, 31416, 1848, 437976,
30800, -278432, 407792, -379456, -572, -5940, -8316,
-102564, -399168, 9240, 266112, -16632, -787248,
595056, 498960, -859936, 8316, 257796, -748440, 914760,
-232848, -199584, -3168, -55440, -99792, 432432,
232848, -155232, 44352, 1397088, 842688, 3503808,
-199584, 997920, -399168, 2794176, -399168, 133056,
-1197504, 5056128, 0, -144144, -953568, -565488,
-643104, -3282048, -3570336, -1020096, -1286208,
598752, -3237696, 1064448, -6120576, 7717248, 60192,
399168, 370656, 1406592, -139392, -1482624, -519552,
-2452032, 5702400, -7070976, 3725568, 166320, 765072,
598752, -66528, -1463616, -1596672, -4790016, 354816,
975744, 1153152, -177408, 887040, 532224, 798336,
-532224, 435456, 870912, 0, 0], [1, 30, 309, 900, 2079,
-1242, -3861, 32, 1152, -2088, 7272, 24408, 4968, 3840,
-27504, -22752, -31824, -50800, -90912, -188688,
158464, -402, 0, 324, -61344, -50058, 23400, 38232,
46008, 74952, -25344, -38880, 111264, 22356, -86184,
-66420, -45360, 410832, 4536, -2808, -19440, 55728,
164592, 648, -37152, 274752, 75168, -257472, -793152,
-76464, 492480, -276048, -1301184, 248832, -31104,

228096, -611712, -3600, -52704, -297648, -70848,
-108144, -247968, 240624, 1044864, -472608, 248832,
182304, -171072, -616896, 1323648, 22032, 276048,
234576, 47952, 839808, 279936, -145152, 1189728,
-505440, 82944, -2322432, 6480, -178848, -16848,
-347328, 1560384, -28512, 2985984, 576, -573696,
-19008, -845568, -552960, -72576, -497664, 72576,
-342144, 93312, -518400, 0], [1, 26, 169, -780, -4017,
-10374, 12519, 52, 1404, -6552, 2808, -23244, -8580,
4992, -31200, 87360, -28704, 5408, 55744, 227552,
-98176, -338, 2808, -6084, -71448, 169182, 26208,
-127296, 142272, -66144, 274560, 262080, -215488,
36036, -435240, 405756, 473616, -870480, -435240,
-2808, 0, 136656, -119808, -55224, -37440, 14976,
-591552, -344448, 703872, 37440, -157248, 247104,
793728, 258336, 29952, -179712, 509184, -6240, -4992,
151008, 127296, -146016, 42432, 185952, -319488,
-227136, 988416, -401856, -194688, 793728, 194688,
3744, 198432, 168480, -250848, 449280, -209664,
-239616, 1190592, -1010880, 1078272, -1377792, -35568,
-423072, -1072656, -1699776, -1564992, -3425760,
-3279744, 29952, 449280, 628992, 1497600, 3144960,
29952, 359424, 1048320, 89856, 628992, 449280, 967680],
[1, 32, 430, 2700, 5985, 13860, 26460, -8, 840, 14280,
-2520, -5040, 80640, 2160, 77280, -102480, -292320,
156800, -351680, -448000, -192640, -620, -9720, -3780,
55440, 181440, -18480, 287280, 604800, 504000, 1071840,
-423360, 224000, -18900, 105840, 1224720, 2479680,
-604800, 3447360, -1872, -58464, -226800, -302400,
60480, -209664, -766080, 0, -282240, -1370880, -90720,
-2540160, 2540160, -1451520, 5806080, 1040256,
-1306368, -4451328, 8640, -50400, -191520, -1028160,
-624960, -282240, 403200, -645120, -947520, -4717440,
-5644800, 4112640, 3386880, 2419200, 66240, 285120,
984960, -1382400, -1255680, 4354560, 4377600, -4458240,
-5184000, 829440, 1382400, 166320, 665280, 544320,
-1209600, 2419200, -5080320, 0, 282240, 1290240,
-806400, 645120, -3225600, 241920, 1451520, 1935360, 0,

0, 0, 0], [1, 25, 234, 880, 399, -2457, -1666, -8, 252,
2912, -3108, -7392, -2072, 620, 13776, -25452, -12824,
19600, 6608, 20832, -46816, -382, -3910, -3486, -12474,
-5348, -5740, 48552, -88452, 26152, 42056, 94080,
103264, -8904, 22736, -92400, -266280, -179088,
-320544, -948, -15540, -8652, 67452, -6552, -42672,
-62048, -119952, 79968, -114912, 8456, -41160, 25872,
49056, -522368, 75936, -290304, -167552, 4300, -8064,
-28, 101192, -45584, 72912, 266784, -358176, 193592,
576912, 279104, 311808, 843584, -738752, 25472, 81728,
204096, -13088, -54592, 516096, 110848, -90912, 120320,
-139136, -760832, 13440, -96768, -241248, 168672,
-500416, 1075648, 451584, -36064, -210336, -219968,
275072, 663040, -145376, -332864, -84224, -169344,
-338688, 0, 0], [1, 22, 165, 580, 3135, 7950, 7355, -8,
-120, -3880, 360, 11520, 27040, 320, -13200, -8160,
-37040, -21200, 33440, 18000, 33920, -250, -880, -4380,
-3120, -5570, 3800, 19560, 102600, -9800, -94720,
-28320, -58400, -8220, 9080, 163740, -168240, -82800,
-47880, -792, -3984, -30480, -80880, 39720, 10656,
-4160, 15840, 93120, 283200, -8080, -242880, 314640,
254400, -230720, 30336, -242688, 314752, 2320, 16800,
-85840, -315520, 111280, 18720, -241200, 101760,
217760, -583680, 552800, 267840, -63040, -358400,
10160, 109040, 190320, -246800, 83840, -286080,
-416000, 172320, -436000, 102400, 716800, -38160,
-15840, 689040, -129600, -1600, 417760, -921600,
-118720, -30720, 203200, -252160, 198400, -199040,
359680, -160640, -201600, 201600, 0, 0], [1, 19, 78,
-332, -825, -1407, -2398, 10, 228, -2968, -384, -5226,
-6956, 848, -8100, -840, 5092, -3104, 22256, 19344,
4640, -226, 638, 4878, 13434, -932, 2324, 16848,
-12204, 22504, -8800, -24360, -35168, -8400, 39920,
-68928, 6912, 100896, 181152, -960, -168, 17712, 11736,
-10704, -8376, 6352, -50760, -19872, 15744, -30880,
58464, -46896, 39408, 149920, 3744, 23232, 78208, 844,
4584, -3244, 87200, 47968, 120048, 13584, -1632, 41048,
-245376, -112672, 100320, 40640, -307520, 7160, -3616,

-94104, 63088, -22240, -120288, 4096, -273360, 192224,
-274688, 521728, -16752, -185184, -18960, -148800,
-206656, -24992, -207360, 16064, 110592, -137984,
177344, -560000, 56608, 331648, 112000, 158400, -8064,
279936, 0], [1, 14, -47, -1212, -705, 3558, 2367, 40,
648, -3528, 13896, 10704, 4704, 1968, -3840, 42000,
6432, 32336, -43424, -70096, -32320, -206, 1728, -7812,
-96, -8262, 504, -58392, 38376, -70536, 85920, -195840,
130592, 1260, -35640, 40932, -123408, 40176, -160488,
-1080, 9072, 19152, -82224, 18216, -27936, -59328,
197280, -21312, -40896, 26640, 221184, -44496, 7488,
-216000, -14976, 6912, -254592, -1056, 19344, 1536,
-81360, -20592, -50592, -85776, -79872, 112128, -16416,
77088, 48960, -313920, -83520, 720, -8496, -206064,
5328, -86400, -102528, 251136, -185760, 147744,
-373248, 557568, -12672, -36864, 328320, 74880, 866304,
718848, 1157760, 54144, 438912, 141696, 716544, 86400,
-70272, -594432, -1215360, -86400, -480384, -307584,
-691200], [1, 19, 132, 730, 1281, -1785, -8050, -26,
-564, 812, 13440, 34230, -18620, -1240, 1512, 24360,
72520, 2800, 12320, 48720, -11200, -172, -2692, -21420,
-52500, -19040, -1960, -40320, 7560, -114800, -29680,
58800, -19040, 1932, -42700, 242760, -22680, 193200,
211680, 192, 4368, 11088, 15120, 29904, 23520, -128576,
-114912, -60480, 49728, 96992, -147168, -208320,
-396480, 403648, -36288, 211008, -527744, 2752, 336,
-21280, -12880, 34720, -134400, -238560, -33600,
264320, 433440, 203840, -158592, 258944, -344960, 8672,
84800, 24480, 257920, -46720, -359040, -149120,
-177600, -551680, 817408, 90880, -46704, 166320,
-278880, 480480, 338240, -869120, 209664, -138880,
161280, 31360, 546560, -600320, -156800, -156800,
313600, 0, 0, 0, 0], [1, 16, 54, -20, -2247, -4284,
6524, -8, -216, 2408, 168, -6384, 4480, -928, 6720,
-10080, -10304, 448, -16576, -29568, 3584, -148, -1192,
-2604, -11088, 38752, -3472, 9744, -36288, 16576,
-17920, -26880, 28672, -5124, 560, 40656, -55104,
13440, 60480, -48, 3360, 44016, 30912, -28224, 6720,

16576, 137088, 77952, -16128, 39200, 10752, -45696,
43008, 50176, -83328, 177408, 308224, 1600, -24192,
18368, -79744, -14336, -43008, 10752, 10752, 84224,
-75264, 57344, -284928, -620032, 329728, 9344, -22528,
42240, -86528, -50560, 158976, 16384, -115968, -110080,
-140288, 299008, -17808, -84672, -267456, 182784,
-28672, -8960, -129024, 6272, 53760, 404992, -394240,
-143360, 82432, -14336, -358400, 193536, 387072, 0, 0],
[1, 13, 12, 166, 813, 1425, -1870, -8, -588, -1360,
-900, 2160, 760, -904, -1464, -12120, -21560, 3280,
-4000, -30240, 6560, -16, 812, -2040, -60, -11960,
3044, 12720, 55620, 15400, 9680, -19680, -5120, -3684,
-16660, -23640, 96720, -86400, -92160, -108, 4332,
1668, 84, 2712, 14256, -15392, 13680, -6096, -24096,
9056, -63312, -27360, 162816, -64256, -3648, 34080,
26752, 592, -10992, -17440, 32960, 2560, 110160,
112320, 19680, -57280, 130560, -234880, -131472, 43232,
62080, 3104, 16880, -35040, 14560, -126400, -107520,
125440, -41520, 188960, 85696, -124160, -31392, 46800,
48960, -29520, 132320, -47360, -119808, 13040, -66000,
-161120, -180160, 394240, 135040, -101120, -33920,
144000, -144000, 0, 0], [1, 9, -72, -342, -735, 273,
882, 20, -132, 1512, 3276, -4116, -336, -312, 2520,
840, 21672, -5824, 3696, 24864, 1120, -36, 768, -252,
11424, 1008, 84, 12768, -24444, -17976, -11760, 60480,
-22848, -3780, 14700, -38808, 9072, -1344, -16128,
-300, 3612, -7308, -29484, 4536, -3696, -43008, -35280,
-19152, -8736, 11760, -12096, 88704, -71232, -40320,
21504, -26208, -158592, 144, -12096, 10416, 10080,
-2352, -54432, -75936, 19488, -74592, -32256, 56448,
25200, 90720, 161280, 4080, -8976, 25776, -18432,
61440, 23232, -71424, 69840, -13536, 211392, -283392,
-15792, -1344, 50400, 112560, -8736, 137088, 161280,
53424, 130032, 22176, -133056, 0, -44352, -64512,
362880, -201600, -88704, -290304, 0], [1, 3, -168,
-354, 2133, 7155, -5850, 62, 252, 1620, 960, -20250,
3780, 1176, 3816, -14760, -26040, -400, -480, -12720,
-4160, -96, -648, -12960, 19440, -18360, -3456, -10080,

-114480, 69120, 9360, -13680, 36960, -324, -1980,
137160, -100440, 33840, 108000, -288, 9072, -22032,
15984, 4752, -15264, 105408, 133920, 48384, 22464,
56736, -54432, -172800, 58176, 126144, -59328, -69120,
340992, -528, 2448, -18000, 29520, -36960, 83520,
76320, -35520, 24480, 116640, 31680, -153792, 110592,
74880, 2304, 5760, 17280, 25920, 103680, 201600,
-40320, 146880, -241920, 158976, -380160, -12672,
-11520, 43200, -210240, -489600, -535680, -857088,
60480, 77760, -276480, -69120, -103680, -216000,
-708480, -138240, 293760, 1002240, 414720, 829440], [1,
8, -38, 636, 2253, 6900, 12780, -8, -1128, -2760,
-19800, -17040, 39360, -744, 5616, 1080, -54960, 42080,
126400, 186560, -87040, 184, 2592, 3600, -24960,
-66960, 7104, -31680, -96480, -168000, -58320, 18720,
30080, 9756, 19440, -62640, 11520, 345600, 181440,
-288, -288, 17568, 80064, 12672, -9504, 78048, -54720,
-147456, -158976, -46944, 364608, -345600, -486144,
290304, -24768, 190080, -281088, 192, -12432, -7440,
-59040, -15840, 183360, 193920, -261120, -120480,
336960, 49920, -99072, -188928, 161280, 864, 24480,
77760, -195840, -187200, -97920, 23040, 276480, 552960,
-152064, -322560, -27072, 14400, 552960, 132480,
-1025280, -725760, 1078272, 80640, -864000, 622080,
1405440, -1244160, 253440, -760320, 506880, 0, 0, 0,
0], [1, 5, -92, 366, 21, -2415, -3150, 16, -732, 1344,
-3780, 4200, -9240, -456, 1512, 7560, 840, 14000, 4480,
-7840, -14560, 136, 1620, 4032, 2940, 22680, 5124,
-25200, 23940, 71400, -45360, -110880, 49280, 6300,
-18900, 37800, -25200, 0, 0, -396, -2772, -12348,
16884, -9576, -15120, 14112, -23184, 77616, 66528,
-32256, 75600, 66528, -88704, 0, 20160, -66528, 88704,
624, -4368, 3360, -20160, 30240, -42000, -134400,
-43680, -26880, -241920, 228480, 138096, -94752, 40320,
1728, 13680, -25920, 41760, -48960, 178560, -46080,
334800, -315360, -260928, 126720, -20160, 85680,
-120960, 5040, 50400, 0, 0, 65520, -196560, -90720,
221760, 0, -40320, 483840, -443520, -362880, 362880, 0,

0], [1, 0, -162, 396, -159, -1500, 3420, 56, -312,
4104, -2520, 10320, 3840, 624, -4608, 5520, 4320,
-12160, -36480, -36480, 25600, 36, -600, -468, -20400,
-11520, 2064, -5520, 11520, -79680, 17760, 60480,
-26880, 540, -10320, -16560, 60480, 32640, 2880, -336,
-672, -15408, 5184, 5184, -18240, 40512, 26496, 32256,
-10752, -3936, 34560, -70272, -29184, 46080, -3840,
-73728, 98304, 864, 6912, 66720, -2880, 55680, -86400,
176640, 30720, 31680, 213120, -161280, 147456, 165888,
-460800, 768, -30720, -5760, -11520, -13440, -72960,
46080, -161280, 184320, -211968, 276480, -11760, 58560,
-83520, -76800, 30720, -218880, -184320, 63360,
-138240, 161280, -138240, 0, -218880, 115200, 0,
230400, -645120, 829440, 0], [1, -7, -218, 1236, 1563,
-2445, -2250, 112, -228, 1920, -23940, -600, -3720,
3396, -19224, 18540, -24240, -400, 50320, 90080,
-16960, -146, -4338, 7470, 6690, 27540, -4236, -4680,
43020, 109320, 97560, 90720, -58240, -16344, 36720,
23760, -42840, -261360, -108000, 252, 10332, 468,
82044, -21528, 5616, 129888, -172080, -294336, -112896,
76536, -223992, 79920, 169056, -107136, -103968,
406080, -396288, -228, -2832, -47100, -91080, -16560,
-54480, -250080, 50880, 35880, -326160, 94080, -9792,
-592128, 305280, -576, -37440, -25920, 18720, -40320,
-187200, 46080, -393120, 103680, -82944, 599040, -4032,
132480, 108000, 27360, 360000, 889920, 1251072, 53280,
-289440, -60480, 305280, 241920, -309600, 457920,
322560, 1157760, 483840, -1831680, -1935360], [1, -16,
-218, 3180, -2919, -23100, 16380, 184, -984, -5208,
-42840, 149520, -13440, 9120, -66528, 201600, -13440,
109760, -62720, -259840, -71680, -452, -8712, 84420,
-1680, -90720, -21840, -85680, 342720, -356160, -80640,
-1451520, 465920, -65268, 710640, -831600, -1108800,
1572480, 786240, 1872, 26208, -59472, -342720, 68544,
120960, -354816, -64512, 322560, 903168, 256032,
-1427328, 604800, 1612800, -387072, 64512, -387072,
516096, -5088, -85344, -94080, 443520, -342720, 349440,
618240, 215040, -779520, 1935360, -752640, -709632,

1419264, 1290240, 9792, 169920, 518400, -149760,
737280, 460800, -368640, 1589760, -829440, 2654208,
-4792320, -13104, -100800, -786240, -1048320, -806400,
-1209600, -5031936, 40320, -483840, 483840, 1290240,
-1935360, -322560, 1935360, -2580480, 1935360,
-3870720, -7741440, 15482880], [1, 21, 210, 720, -945,
10395, 5670, -52, 180, 5040, -44100, -18900, -30240,
1500, 40320, -107100, 12600, 64400, -210000, 168000,
263200, -510, -6750, 17010, 103950, 56700, -13860,
37800, 396900, -189000, 138600, -756000, -84000, 22680,
-226800, 226800, 567000, 226800, 453600, 108, -27972,
-102060, -260820, -22680, -87696, -211680, 498960,
-1058400, 514080, 158760, -793800, -952560, -2449440,
-2177280, 707616, 1886976, 1669248, 10620, 60480,
321300, -113400, -126000, 1436400, -151200, 1461600,
-642600, -226800, 2116800, -544320, -1270080, -907200,
10800, 0, -226800, 518400, 43200, -777600, -1641600,
388800, 1944000, 259200, -518400, 0, 0, -453600,
453600, -907200, 907200, 0, -50400, -151200, 302400,
201600, 1209600, -90720, -544320, -725760, 0, 0, 0, 0],
[1, 16, 135, 520, 1155, 2520, 4445, -62, -270, 140,
-2100, -24150, -1190, 800, 6720, 50400, -22400, -5600,
56000, -84000, -44800, -310, -4000, -7140, 25200,
16450, -1960, -46200, 113400, 133000, -78400, 336000,
-56000, 20580, -44800, -224700, -105000, 247800,
-113400, 708, -5712, -66360, -99120, -66780, -5376,
-116480, -80640, -67200, -40320, 84560, 319200,
-230160, 188160, 446320, 86016, 516096, 114688, 5920,
60480, 72800, 89600, 28000, -369600, 16800, -134400,
-145600, -268800, -1019200, -309120, 129920, 716800,
-8800, 44000, 55200, 66400, 243200, -345600, 486400,
196800, -136000, -1011200, 409600, -42000, 0, 92400,
285600, -95200, 263200, -504000, -78400, -67200, 78400,
89600, -22400, -62720, -62720, 125440, 0, 0, 0, 0], [1,
13, 66, -176, -1617, 1155, -3850, -44, 132, 1232,
-13860, 13860, 6160, 572, 7392, -23100, 33880, 6160,
-6160, 0, 12320, -286, -1870, 14322, 11550, -26180,
-5236, -9240, -41580, -40040, -33880, -36960, -12320,

9240, -43120, 18480, 9240, -55440, -110880, 396, -6468,
10164, 26796, 35112, -11088, 91168, 11088, -7392,
-7392, 25256, 46200, 232848, 391776, 394240, -7392,
-295680, -226688, 4444, 14784, 44660, 3080, 6160,
166320, -110880, 36960, -89320, 203280, -24640,
-310464, -261184, 24640, -5104, -77440, -192720,
-102080, 17600, -274560, -7040, 274560, -299200,
398464, 267520, 0, 0, 110880, -110880, 418880, -418880,
0, 12320, 36960, 24640, -246400, -492800, 61600,
172480, 98560, 80640, 161280, 0, 0], [1, 10, 33, -44,
1551, 330, 2255, -44, -132, -3256, -1320, -15180,
-10340, 704, -3168, 21120, 8800, -12320, -3520, 26400,
-14080, -154, 440, 6732, 1320, 19030, 704, 15840,
-47520, -49280, 7040, -116160, 45760, -4620, -10120,
52140, 55440, -66000, 19800, 264, -2112, -26928, -6336,
10824, 10560, 68992, 133056, 164736, -97152, -9856,
-95040, -33792, -4224, -86240, 0, -8448, -171776, 2464,
23232, 1760, -35200, 8800, -200640, 89760, -42240,
-3520, 126720, 186560, -130944, -26752, 225280, -10912,
-40480, 142560, 72160, -98560, 211200, -28160, 52800,
228800, -78848, -450560, -2640, -15840, -250800,
-137280, 38720, -202400, 570240, 28160, 126720,
-112640, 28160, -70400, 56320, -70400, 14080, 80640,
-80640, 0, 0], [1, 6, -39, -540, 735, -2226, -1449,
-16, 384, -1512, 5544, 10920, 8904, 432, -2016, 5712,
-8064, 4592, 8736, -30576, -4928, -174, 1392, 9324,
-20496, -6678, -3864, -2184, -39816, 39144, -15456,
108864, -6048, -756, 22344, 32004, 57456, 10416, 26712,
-24, -2352, -1008, 33264, -16632, 672, -1344, -94752,
-68544, 63168, -5712, -72576, -49392, -243264, -201600,
34944, 80640, 174720, 1728, 3024, -31584, 5040, 26544,
-66528, -23856, -5376, -12096, 50400, -54432, -28224,
108864, 68544, -6672, -55824, 30384, -45072, -62592,
85632, 20736, 11808, -148896, 281088, -110592, 18816,
150528, 40320, 223104, -86016, -64512, -282240, -8064,
-24192, 153216, 48384, 604800, -40320, -225792,
-120960, -88704, -8064, -169344, 0], [1, 0, -117, -624,
4251, -3120, 5265, 26, 858, -3276, 14820, -9750,

-19110, 624, 1872, -21840, -53040, 35360, -137280,
106080, 70720, -234, 1560, -9828, -35880, 22230, -8736,
-24960, 215280, -15600, -68640, 56160, -87360, 16380,
15600, -152100, -79560, -48360, -88920, -156, 4368,
6552, -5616, 15444, -12480, 54912, -22464, 14976,
-79872, 16224, 112320, 119808, 339456, 514800, -49920,
-194688, -114816, 624, 1872, -59280, 9360, 18720,
37440, 106080, 199680, 18720, -205920, 37440, -59904,
44928, 37440, -4992, -24960, 149760, 74880, -99840,
249600, -224640, -74880, 149760, 29952, -224640, 24960,
199680, -74880, 424320, -499200, 299520, -374400,
-74880, -673920, -374400, -1347840, -1123200, 74880,
599040, 1123200, 74880, 374400, 224640, 518400], [1,
12, 111, 576, -189, -11340, -5355, -82, -522, 2772,
34020, -24570, 13230, 384, -2016, 100800, -70560,
-1120, 208320, 36960, 286720, -186, -5184, -35532,
15120, -1890, 3528, -128520, -204120, -128520, -80640,
-423360, 490560, 43092, 226800, -71820, 400680,
-929880, 264600, 1620, 9072, -34776, 184464, 97524, 0,
-338688, 96768, -653184, -411264, 27216, 501984,
734832, 628992, -462672, 48384, -532224, 870912, 2304,
54432, -60480, 171360, 50400, -181440, 514080,
-1209600, -362880, -60480, 423360, 556416, -1233792,
564480, -16416, 99360, -237600, -401760, 414720,
1105920, -1175040, -1010880, 1166400, -152064, 207360,
-51408, 60480, -196560, 574560, 816480, -876960,
-326592, -60480, -120960, -423360, 483840, 120960, 0,
0, 0, 0, 0, 0, 0], [1, 7, 36, 106, -519, -765, -730,
-62, -252, 932, 3120, 2130, 3580, 224, -336, 0, -10160,
-2720, -33280, 8160, -33280, -76, -1444, -5772, 3420,
-3440, 1928, -16320, 22680, 8080, 28160, 20640, -50240,
9132, 13700, -26520, -8520, 5520, 64800, 960, 3792,
5424, 3984, -1296, 3840, 11392, -52992, 62976, 61056,
-14944, 85344, 22272, -167808, -187712, -70656, -94464,
-21248, 304, 5472, -5680, 23360, -22400, 39360, -16320,
211200, -40480, -142080, 210560, 172416, 71168,
-158720, -9376, -640, -60000, -32960, 24320, 126720,
60160, -79680, 22400, 138496, -189440, -1968, -15120,

83040, -169440, -185920, 135040, 154368, 33920, -44160,
29440, -175360, 156160, 64000, 64000, -128000, 0, 0, 0,
0], [1, 3, -24, -306, -1467, 3555, 1350, -34, 252,
2772, -5760, 7110, -7740, -408, 792, -5400, -13320,
-1840, 25440, 6000, 22720, -96, -360, 6912, -3600,
-1080, -2016, -15840, 36720, 5760, -6480, -23760,
34080, 4860, -10620, 33480, 3240, 16560, 4320, 576,
-1008, 20304, -24624, -3888, 5472, 13248, 6048, -6912,
-38592, -12384, -12960, -110592, 75456, -60480, -55872,
-17280, -4608, 144, -18576, -33840, -58320, -1440,
-60480, 61920, -181440, 38880, -133920, -181440,
236736, 331776, 51840, -2304, 5760, 17280, 112320,
57600, -5760, -51840, -8640, 172800, -193536, -103680,
11520, 57600, 146880, -89280, -40320, -17280, -69120,
-2880, -8640, -207360, 288000, 172800, -43200, 17280,
207360, -120960, -241920, 0, 0], [1, 3, 12, 306, 1593,
3375, 2430, -58, -468, -3060, -7200, 3510, -540, 816,
4896, -720, 44640, -1120, -19200, -20640, 55360, 84,
972, -4860, -31860, -12960, 2664, 25920, -55080, 75600,
31680, -38880, 41280, -6804, 27540, -35640, -22680,
-32400, -12960, 432, 2592, 10368, -46656, -42768, -864,
36288, -90720, -81216, 82944, -18144, 152928, 77760,
-31104, 108864, -36288, -25920, 41472, -1008, 1728,
88560, 12960, -66240, 34560, -276480, -169920, 4320,
207360, -17280, 88128, 93312, -155520, -7776, -25920,
142560, 77760, 0, 103680, -207360, -155520, -311040,
72576, 311040, 16848, -162000, 12960, 168480, 285120,
51840, -373248, 66240, -216000, 17280, 167040, -34560,
51840, -155520, 103680, 0, 0, 0, 0], [1, 0, -27, 36,
111, -1500, -765, -34, -42, -216, 1440, -2910, 1410,
84, 252, -420, -4140, -2440, -1920, 5640, 7600, 36,
1020, 612, 9300, 4680, 444, 2580, 8820, -18660, 24240,
2160, -960, -5400, -20040, 2880, -42120, 61800, -36000,
204, -1752, -7848, 14904, 10044, 5520, -19968, 28656,
-26064, -17232, 1464, -30240, -15192, -11904, 110880,
6960, 23472, 42144, -396, -3348, -8340, 3060, -26040,
25920, 26520, -24000, 44640, 5760, -70560, 63216,
-73872, -74160, -3552, 18960, -38160, -37440, 25440,

-51360, -1440, 39600, -55440, -82368, 185760, 14160,
21840, -44640, 20400, -62160, 144000, -93600, -3600,
43200, 77040, 77760, -194400, -69840, 30960, 38880,
-80640, 80640, 0, 0], [1, -5, -72, -34, 581, 315, 630,
6, 428, 644, 0, 910, -1260, -536, -168, -4760, 3640,
-2800, 23520, -8400, -24640, -64, 600, -2688, -10640,
-2520, -2016, 3360, -8400, 8960, 560, -35280, -1120,
2940, 18340, -5880, 7560, -73360, 10080, 64, -2352,
-1008, -3696, -3696, 5600, -40768, 8736, 5376, 13888,
-2016, 23520, 43008, 52416, 20160, 20160, 51072,
-32256, 144, -4368, 26320, 5040, 5600, 73920, -7840,
78400, -39200, 50400, 150080, -28224, -172032, -94080,
-512, 24960, 28800, 12480, 34560, -74880, 53120,
-12480, 42240, -158208, 49920, 8960, -26880, -33600,
-136640, 120960, -94080, 161280, -42560, -127680,
-53760, 8960, -134400, 33600, 40320, -268800, 147840,
80640, 215040, 0], [1, -12, -93, 456, 3003, -4620,
-1575, 62, 582, -3780, -7140, -13650, 9030, -144, 7056,
-28560, 62160, 5600, 6720, -23520, 24640, -246, -408,
-11340, 34440, 14490, -5376, 23520, 65520, -52080,
-63840, -10080, 20160, 18396, -43680, -23940, 57960,
152040, 63000, 372, 5712, 8568, 3024, -2268, -1344,
83328, -60480, 88704, -5376, -24864, -84672, -40320,
-21504, -349776, -69888, -40320, -83328, -528, -9072,
-8400, 15120, -3360, -60480, -77280, -241920, 10080,
-70560, -342720, 177408, 266112, 60480, 384, 24960,
-11520, -74880, 7680, -249600, 17280, 74880, -11520,
-2304, 224640, 2688, -107520, -201600, -147840, 268800,
-161280, 346752, -40320, 120960, 443520, 564480,
846720, 201600, 645120, 120960, -282240, -927360,
-362880, -725760], [1, -5, -12, 506, -399, 2415, 1470,
-34, -452, -1876, -7840, -11970, -11340, 1024, 10192,
22400, 24080, 6720, -6720, -38080, -24640, 236, 2020,
-3108, 5460, 1680, -1736, -35840, -29400, -15120,
-59360, 145600, -44800, -2100, 59220, 7560, 41160,
-75600, 50400, -496, -4032, 27552, 11424, 33264, -7840,
44352, 28896, -113344, -24192, -2016, -110880, 36288,
112896, -181440, 20160, -116928, 48384, -16, 672,

-38640, -40320, -17920, -53760, 181440, 217280, 104160,
-87360, 0, -41664, -24192, -13440, -1632, 18240, 21600,
-8640, 99840, -372480, 172800, -172800, 103680, 312192,
-172800, 18480, -126000, 10080, 238560, 60480, -201600,
0, -6720, 221760, -201600, -416640, 403200, -120960,
362880, -241920, 0, 0, 0, 0], [1, -9, -36, 450, -1743,
-357, -1386, 2, -60, 756, 5040, 8610, 8988, 48, -2016,
-7728, -12096, 2240, -17472, 18816, 15232, 108, 948,
-4788, 11172, -2016, -168, -13440, -2520, -336, -672,
-12096, 5376, -756, 15204, 9576, -7560, -30576, 14112,
-480, -5712, 7056, -27216, -27216, 1344, 37632, -44352,
56448, 5376, 672, -30240, -32256, 118272, -28224,
29568, 88704, -118272, 1296, 12096, -17808, 22176,
6720, 12096, -77952, -67200, 34272, -44352, -16128,
-249984, 145152, 209664, -2976, 15360, 288, 31680,
-26112, 192000, -78336, -59328, 146304, -39168,
-179712, 10416, -78960, 62496, -67872, 17472, -56448,
112896, -40320, 120960, 64512, -145152, 0, 16128,
-306432, 290304, 258048, -258048, 0, 0], [1, -15, -42,
756, -1989, 3195, 1350, 56, 108, -576, 540, -5760,
-11160, -156, -5688, 5580, -15120, -3280, 10320, 8160,
-320, -114, -450, -5778, -7470, -7020, 324, 38520,
26460, 32040, 25560, -21600, 9600, 3240, -26640,
-36720, -22680, 113040, -4320, -36, -612, 21492, 10044,
34344, -720, -52128, 70416, -5184, -18432, -16776,
68040, 21168, -228384, -17280, 27360, -174528, 129024,
1404, 9072, 5220, 1080, 26640, -84240, 7200, -37440,
-39960, 88560, -86400, -91584, -41472, 120960, -5472,
-31680, -82080, -47520, -109440, 31680, 0, 47520,
-328320, 525312, 0, 14400, -5760, 73440, 154080,
-192960, 198720, -241920, -50400, 159840, -95040,
236160, 172800, 185760, -95040, 0, -190080, 552960,
-725760, 0], [1, -23, 6, 1556, -4389, 1155, -2730, 128,
-452, -7168, 5180, 2520, 15960, 1924, -3416, 43820,
37520, 11760, -11760, -48160, -24640, -466, -914,
15918, 32130, 12180, -7532, 57400, -207060, -79800,
-66920, 14560, -4480, 8232, -136080, 156240, 131880,
-226800, -131040, 1340, 10332, -20076, -29316, -54936,

7280, -86688, -123312, -113344, 112896, -15624, 297864,
-51408, 74592, 459648, -62496, 92736, 64512, -2596,
-31248, -49980, -68040, -9520, 31920, 218400, 324800,
37800, -310800, 470400, 428736, 177408, -309120, 384,
35520, 115200, 162720, -55680, 373440, -46080, 27360,
622080, -635904, -599040, 17472, 40320, 131040, 480480,
-100800, 60480, -628992, -77280, 10080, -221760,
-1061760, -1370880, 312480, -463680, -322560, -1169280,
-483840, 1854720, 1935360], [1, -33, 156, 2466, -17199,
17955, 5670, 218, -2412, -12348, 85680, 24570, -49140,
8304, -32256, 115920, -413280, 109760, -557760, 349440,
232960, -996, 2916, 92988, -223020, -90720, -41832, 0,
-385560, 529200, -594720, 1632960, -295680, 20412,
260820, 68040, 476280, -226800, 272160, 4320, 9072,
-299376, 154224, 154224, 120960, -217728, 1306368,
1282176, -1016064, -18144, -707616, -217728, -580608,
-1415232, -72576, 435456, -580608, -15696, -96768,
619920, 272160, -342720, 1149120, -1209600, -1612800,
-151200, 907200, -1209600, 798336, -1596672, -1451520,
44064, 414720, -583200, -492480, 933120, -2280960,
414720, 855360, -1710720, -2985984, 5391360, -81648,
-1043280, -272160, -1905120, 907200, -3265920, 5660928,
40320, 1572480, 483840, 1290240, 6289920, 362880,
-2177280, 2903040, -2177280, 4354560, 8709120,
-17418240], [1, 2, 61, 36, -1449, -8190, 10395, -92,
-132, 3192, 27720, -21420, -8820, 864, -15456, -16800,
30240, 15680, 85120, -24640, 62720, 34, -4104, -20412,
27720, 17010, 7728, -15120, -317520, 85680, -47040,
-423360, -327040, 27972, 264600, 192780, 287280,
619920, -567000, 1800, 14112, 3024, 139104, -65016,
-40320, -16128, 459648, -209664, 274176, -139104,
-616896, -489888, 628992, 308448, 290304, -290304,
-580608, -4896, 14112, -110880, -332640, 100800,
524160, -342720, 0, -262080, 544320, -282240, -48384,
822528, -241920, -6336, -8640, 129600, 267840, -46080,
-276480, 783360, 155520, -777600, -82944, -138240,
9072, -90720, -45360, -181440, -544320, 635040, 217728,
40320, 80640, 282240, -322560, -80640, 0, 0, 0, 0, 0,

0, 0], [1, -1, 52, 90, 441, 315, -9450, -86, -204,
-588, 5040, 44730, -8820, 1440, -4368, -47040, 15120,
5600, 17920, 45920, -44800, 148, -2052, -11340, -44100,
45360, 4200, 60480, -68040, -126000, -26880, 151200,
109760, 5292, 94500, 158760, -98280, 75600, -90720,
1152, 11088, 21168, -105840, 93744, -40320, 8064,
-266112, 80640, -427392, -66528, -127008, 0, 120960,
36288, 145152, 580608, 435456, -5328, 2016, 115920,
-60480, 40320, 100800, 383040, 0, -110880, -725760,
-524160, -266112, -193536, 483840, -288, -86400,
168480, -146880, -11520, 34560, -11520, 388800, 155520,
-767232, 276480, 27216, -136080, 90720, -90720, 181440,
362880, -435456, 40320, -40320, -80640, -80640, 161280,
0, 0, 0, 0, 0, 0, 0], [1, -4, 25, -180, -585, 720,
2295, -62, 210, 1680, 1800, -13050, 1710, 180, -7860,
-3300, 8100, 7400, -10400, -17800, -14800, 100, -1620,
1620, 15300, -16200, 2940, 8100, 40500, 17100, -13200,
97200, 80000, 1080, -27000, -64800, -27000, -167400,
64800, 828, 3528, -5400, 1080, -16740, -15696, 37440,
15120, 22320, 30960, -27000, -103680, 87480, -138240,
90720, 66096, 40176, -2592, -4140, -5220, -47700,
51300, 41400, -50400, -41400, 0, 79200, 259200, 50400,
-153360, -179280, -54000, 5760, 10800, 32400, 21600,
-93600, -237600, -223200, 97200, 97200, 181440, 108000,
6480, 32400, -64800, 97200, 226800, -259200, -38880,
-18000, 72000, -61200, 187200, -180000, -58320, -58320,
116640, 0, 0, 0, 0], [1, -9, 0, -330, 165, 7095, -6930,
-22, 660, 1980, -13200, -11550, 7260, -1320, -3960,
46200, 6600, 4400, -26400, 13200, 35200, 0, -1320,
7920, -13200, 19800, 2640, -26400, 0, -26400, -13200,
-118800, -132000, 1980, 16500, -19800, 99000, 171600,
-79200, 528, -2112, 0, -47520, 23760, 4224, 42240,
-31680, -31680, 10560, -26400, 47520, 31680, 10560,
-31680, 16896, 69696, 8448, -2640, -7920, -13200,
118800, 26400, -158400, -26400, 0, 79200, 79200,
158400, -63360, -190080, 0, 10560, 52800, 158400,
-158400, -105600, 422400, 316800, -316800, -316800,
-63360, 0, -21120, -105600, -316800, 211200, -211200,

316800, 126720, 0, 0, 316800, -316800, 0, 31680,
-126720, -380160, 144000, 288000, 0, 0], [1, -8, 45,
20, 735, -420, -1365, -58, -50, -1960, -2800, 9450,
4410, 1300, 4060, -4900, -42700, -4200, 33600, -7000,
14000, 260, -260, 420, -14700, 4200, -2660, 30100,
52500, 6300, -30800, -64400, -78400, -5880, -37800, 0,
-4200, -12600, 50400, -52, 2856, 5880, 5880, -13860,
-17584, -67200, 112560, 14000, 139440, 42840, 70560,
-52920, 120960, -90720, -3024, -132048, -227808, -3340,
-2100, 48300, 18900, 26600, -134400, 12600, -78400,
-16800, -67200, 252000, -28560, 25200, 142800, 9120,
-44400, -118800, 14400, 79200, 98400, 146400, 10800,
140400, 2880, -338400, 8400, 75600, -50400, -8400,
-277200, -201600, 453600, -42000, 100800, 25200,
-33600, -50400, -35280, 105840, -70560, 0, 0, 0, 0],
[1, -12, 33, -132, 231, -1848, 2079, -22, 330, 0, 1848,
462, -5082, -396, -2772, 924, 21252, 3080, -7392, 9240,
-1232, 132, -660, 2772, 6468, -5544, 924, -924, -41580,
4620, 3696, -11088, 0, -5544, -24024, 22176, 5544,
46200, 22176, -132, -1848, -16632, 16632, 8316, 3696,
14784, -77616, -11088, -85008, 35112, 133056, -5544,
59136, -110880, -40656, -55440, 96096, -1452, 8316,
12012, -52668, -5544, 66528, -9240, 29568, -22176,
-88704, -110880, -55440, 166320, 55440, 8448, 5808,
-20592, 15840, -30624, 74976, 47520, -49104, -87120,
82368, -47520, -18480, -3696, 155232, 18480, 92400,
-88704, -155232, -11088, -133056, -55440, -133056,
332640, 77616, -11088, -66528, 80640, -80640, 0, 0],
[1, -18, 45, -60, 1335, -1050, -1125, 32, 480, -1800,
-7800, 7800, 4200, -1680, 5760, 22800, -31200, -2800,
-26400, -8400, -8000, -90, -960, 900, -9600, 10350,
5160, -13800, -16200, -3000, 12000, 86400, 69600, -180,
49800, 26100, -25200, -58800, -41400, 168, -1104, 6480,
23760, -18360, 3936, -12480, 93600, 2880, 85440,
-21360, -95040, -61200, -87360, 132480, 22656, -73728,
-87168, -480, 9360, 33600, -32400, -20400, -7200,
34800, 57600, -28800, -136800, -122400, 31680, 95040,
43200, 5520, -15600, -111600, 46800, 9600, -124800,

-288000, 93600, 223200, 161280, 0, -32640, -76800,
28800, 67200, -153600, 230400, -63360, 86400, 259200,
-28800, -57600, -259200, -28800, 115200, 604800,
-201600, -144000, -259200, 0], [1, -26, 117, 260, 1911,
-13650, 9555, 104, -104, -8008, -3640, 65520, -21840,
-1040, 32032, -36400, -58240, -21840, 43680, 50960,
29120, -442, 208, 5460, 65520, -79170, 3640, -61880,
10920, 76440, 14560, -29120, -189280, 12012, -32760,
-81900, 109200, -65520, -32760, 1352, 4368, 4368,
-109200, 45864, -14560, 122304, -148512, 29120,
-192192, -91728, -157248, 196560, -262080, 157248,
104832, 419328, 314496, -3328, -13104, -43680, 65520,
7280, -305760, 21840, -232960, 262080, 742560, 742560,
-192192, -576576, -87360, 8112, 3120, -46800, -9360,
74880, 624000, 648960, -318240, -505440, -179712,
-299520, -34944, 0, 524160, -174720, 0, 0, -314496,
174720, 524160, -524160, 349440, -524160, -524160,
-2096640, -1572480, 524160, 1572480, 524160, 967680],
[1, -14, 105, 20, 735, 5250, 9975, -52, -380, -3640,
-15400, -44100, 18900, 3040, 21280, 72800, 39200,
-33600, -67200, 123200, -44800, 470, 40, 2940, -21000,
-143850, -17360, -30800, 159600, -75600, 11200,
-257600, 156800, 20580, 63000, 359100, 109200, 226800,
-289800, -1432, 6048, 48720, 144480, -83160, -9856,
-241920, -255360, 277760, -564480, 10080, -383040,
272160, -80640, 90720, 32256, 354816, 580608, -160,
-23520, -84000, 352800, 123200, 67200, -302400, 358400,
-168000, -571200, -604800, 188160, 241920, -134400,
12480, -33600, -302400, 216000, 76800, 768000, -230400,
86400, -777600, -506880, 691200, -11760, 252000,
-579600, -638400, 907200, 1159200, -1088640, -67200,
403200, -201600, -537600, 403200, 0, 0, 0, 0, 0, 0, 0],
[1, -17, 108, -142, -399, 147, -3066, -22, -140, -700,
3248, 3402, -2772, 1264, 3808, -8176, -7168, -6720,
9408, -4480, -15232, 332, -620, 1932, 6468, 38976,
-8456, -17024, -19320, 25200, 6496, -4928, 62720, 9996,
15876, -131544, 104664, -5040, -58464, -1312, 2352,
4368, -37968, 17136, 7616, 21504, 55104, 33152, 37632,

14112, -38304, -48384, -290304, 181440, -72576, 40320,
32256, 1808, -1344, -44688, -66528, 21056, 22848,
-40320, 38528, -89376, 428736, -80640, 228480, -80640,
-295680, 5088, -14592, 144288, -72000, -13824, -75264,
-192000, -91584, 17280, 39168, 253440, -21840, 63504,
94752, -204960, -20160, 233856, -145152, -2688,
-153216, 161280, 317184, -322560, 112896, -338688,
225792, 0, 0, 0, 0], [1, -22, 133, -252, -729, 1242,
1539, 28, -60, 600, 7848, -5508, 1188, -576, -4512,
-24576, 14112, 8480, 15808, -23200, 13568, 82, -1080,
-108, -5832, -27054, 3264, 7776, 30240, -25920, -11904,
32832, -55360, -3564, 13176, 77436, -27216, -28080,
-14904, -792, 1152, -432, -10368, -1944, 6336, 42624,
-29376, -33408, 70272, 6912, -108864, 72576, 3456,
12960, -55296, 103680, -48384, 3168, 12096, -14688,
93312, -46944, -32832, 108000, -122112, -29376,
-186624, 216000, 259200, -259200, 0, -5472, -45792,
75168, 12960, 43776, -117504, 161280, 150336, -25920,
-248832, 0, -10800, 52704, -250128, 43200, -112320,
59616, 217728, 64512, -43776, -115200, 244224, -149760,
-13824, 352512, -338688, -311040, 311040, 0, 0], [1,
-29, 210, -280, -645, 3405, -3270, 98, -620, -1360,
3200, -20250, 3540, -800, 8620, 7400, 16100, -7200,
-13200, 35600, 800, -310, 250, 3210, -11250, 41700,
9340, -11600, 39900, 10200, 20800, -56600, -18400,
-12720, 3600, -122400, -117600, 7200, 136800, 608,
2328, 17040, 25080, -6480, -21496, -104880, -8040,
15200, -189120, 12960, 0, -45360, 369360, -168480,
59616, 14976, 56448, 620, -2520, -68700, -72000, 10400,
164400, -202800, 48800, 30600, 312000, -69600, -100320,
285120, -168000, -9000, -55200, 66600, -32400, 88800,
-45600, 134400, 133200, 64800, -345600, 0, 22800,
266400, 68400, -91200, 532800, -799200, 0, 33600,
-374400, 288000, -321600, 374400, -298080, -74880,
-282240, 273600, -777600, 1008000, 0], [1, -38, 381,
-604, -3129, 2730, 1995, 188, -2492, -1288, 36680,
-3780, -2940, 2944, 22624, -105280, 12320, -30240,
114240, -81760, -58240, -886, 6856, 16548, -27720,

-47670, -9632, -123200, 13440, -16800, 138880, -203840,
230720, 4452, 2520, 212940, 18480, 277200, -93240,
3560, -9408, -64176, -65856, 25704, -11200, 212352,
143808, -187264, 502656, 12096, 471744, -36288, 24192,
-235872, 48384, -451584, -499968, -11296, -16128,
57120, 221760, 99680, 6720, 218400, 358400, 100800,
-940800, -1041600, -680064, -266112, 497280, 23904,
100320, 309600, -82080, -180480, -188160, -890880,
-728640, -285120, 1022976, 898560, -17808, -10080,
-851760, -73920, -1108800, 1118880, 943488, -26880,
-1048320, 80640, -53760, 1048320, -241920, 2257920,
2499840, 1854720, 725760, -2983680, -2903040], [1, -49,
700, -2430, -9135, 43155, -24570, 298, -6540, 20580,
126000, -343350, 61740, 13680, -53760, -394800, 554400,
56000, 212800, -44800, 89600, -1700, 25380, -3780,
-485100, 453600, -91560, 0, 1852200, -478800, -218400,
-302400, -582400, 117180, 321300, -1020600, 415800,
-831600, -453600, 8928, -79632, -226800, 1194480,
-257040, 249984, 685440, -2177280, 443520, -887040,
-453600, -1723680, 362880, -2903040, 2358720, 314496,
435456, 2515968, -41040, 161280, 1184400, -1663200,
-504000, -1915200, 403200, -1612800, 655200, 907200,
5241600, -1330560, 2661120, 2419200, 156960, 0,
-3175200, 820800, 748800, 1036800, 2995200, -1425600,
2851200, 4976640, -8985600, -468720, -1285200, 4082400,
-1663200, 3326400, 5443200, -9434880, 1008000, 3830400,
-806400, 6451200, -10483200, -1572480, -2177280,
-12579840, 3628800, -7257600, -14515200, 29030400], [1,
-24, 255, -1080, 2835, 0, 4725, -22, -630, 1260,
-18900, -28350, -28350, 3840, 10080, 100800, 151200,
-61600, -235200, -184800, 179200, 570, -2160, 11340, 0,
-28350, -32760, -37800, -113400, 113400, 403200,
302400, -235200, 79380, 0, 170100, -793800, -340200,
340200, -3132, 21168, -22680, 136080, 124740, 48384,
-241920, -725760, 120960, 846720, -317520, 272160,
-408240, 725760, -136080, 435456, 435456, -870912,
8640, -90720, 0, -151200, 151200, 907200, 453600,
-1209600, 0, -907200, 907200, -1088640, -362880,

1209600, -4320, 194400, -194400, -324000, -691200, 0,
345600, 1166400, 1166400, -622080, -1036800, -45360, 0,
680400, 453600, -1360800, -1360800, 1632960, 100800,
-604800, 302400, 806400, -604800, 0, 0, 0, 0, 0, 0, 0],
[1, -28, 295, -1440, 2835, -3780, -2835, 22, -690,
5460, -6300, 28350, 20790, 1440, -13440, -16800,
-100800, 5600, 78400, 106400, -44800, 310, -2160, 3780,
0, 28350, -10920, 37800, -37800, -113400, 33600, 0,
-11200, 34020, -75600, -56700, -113400, 189000, 113400,
-2412, 17136, -52920, -45360, -102060, 32256, 80640,
483840, -282240, -524160, -196560, 272160, 317520,
241920, -317520, 193536, -580608, 387072, 10080,
-60480, 151200, 0, -50400, -302400, -151200, 403200,
302400, 0, -302400, -362880, 362880, 0, -24480, 151200,
-64800, 324000, -115200, -345600, 230400, -129600,
-648000, 622080, 0, 15120, -302400, -226800, 756000,
756000, -453600, -544320, 100800, 201600, -504000,
-806400, 1008000, -241920, 725760, -483840, 0, 0, 0,
0], [1, -34, 385, -1980, 4455, -2970, 4455, 88, -1320,
9240, -19800, 0, -23760, 0, -18480, 26400, 39600,
30800, 8800, -48400, -35200, -110, 0, -5940, 0, -44550,
9240, 59400, 59400, 178200, -211200, -237600, 149600,
-17820, -59400, 89100, 356400, -118800, -178200, -792,
11088, -23760, 71280, 106920, -22176, -31680, -332640,
158400, 348480, 23760, 0, -498960, -95040, 285120,
38016, 228096, -266112, 7920, -47520, 118800, 0,
-39600, -237600, -118800, 316800, 237600, 0, -237600,
-285120, 285120, 0, -39600, 118800, -356400, -356400,
316800, 950400, -633600, -712800, 712800, 0, 0, 118800,
-237600, 356400, -475200, -475200, 712800, 0, -158400,
633600, 792000, -633600, -633600, -190080, -1140480,
1330560, 777600, -777600, 0, 0], [1, -42, 561, -3036,
7623, -6930, -3465, 176, -3168, 16632, -46200, 27720,
27720, 2112, -11088, 110880, -18480, -6160, -184800,
-18480, 98560, -726, 7920, -24948, 55440, 62370, 5544,
-27720, -249480, -304920, 0, 554400, -184800, -41580,
83160, -124740, 166320, 166320, -83160, 2376, -11088,
33264, -33264, -149688, -66528, -44352, 66528, 399168,

-44352, 299376, 0, 898128, -1197504, 0, -266112, 0,
266112, -3696, -22176, -55440, -221760, 240240, 554400,
720720, -1034880, -554400, 0, 554400, 133056, -1197504,
443520, -17424, 166320, 71280, 641520, -316800,
-950400, 633600, 142560, -1283040, 912384, 0, 166320,
-332640, 498960, -665280, -665280, 997920, 0, -665280,
0, -1995840, 2661120, 0, 1330560, 0, -1330560, -362880,
3265920, -2661120, 0], [1, -52, 871, -5616, 13923,
-16380, 12285, 286, -7098, 44772, -81900, 106470,
-57330, 11232, -69888, 43680, -262080, -14560, 145600,
247520, -58240, -1586, 28080, -108108, 131040, -221130,
-63336, 98280, -98280, 753480, 436800, 0, -145600,
49140, 196560, 442260, -1081080, -1081080, 294840,
7956, -91728, 176904, -275184, 285012, 104832, 419328,
943488, -1153152, -1153152, 117936, -1179360, -2004912,
1886976, 589680, -628992, 0, 628992, -33696, 209664,
-131040, 786240, 131040, -1310400, -2227680, 1048320,
-1310400, 0, 1310400, 3459456, 3459456, -1572480,
108576, -168480, 168480, -1291680, -1497600, 0, 748800,
3706560, 3706560, -3234816, -2246400, -196560, -786240,
-1769040, 4324320, 4324320, -3538080, -2358720,
-262080, 2620800, 4455360, -4193280, -2620800, 3144960,
0, -3144960, -9434880, -9434880, 9434880, 7257600], [1,
-64, 1375, -11880, 38115, -27720, -10395, 418, -14190,
133980, -346500, 34650, 90090, 31680, -406560, 739200,
554400, 308000, -123200, -800800, -246400, -2750,
71280, -457380, 554400, 311850, -267960, 2079000,
-415800, -1801800, -1478400, -3326400, 1601600, 457380,
-1663200, -1871100, 415800, 5405400, 1247400, 17028,
-321552, 1247400, -166320, -540540, 975744, -3548160,
-3991680, 443520, 5765760, -2494800, 997920, 6486480,
7983360, -6486480, 2128896, 4790016, -6918912, -95040,
1219680, -2217600, -1663200, -2772000, 1108800,
7207200, 4435200, 4435200, 9979200, -14414400,
-1330560, -17297280, -6652800, 459360, -3564000,
712800, 3088800, 5068800, 11404800, -8236800, -1425600,
-18532800, -13685760, 24710400, -1829520, 6652800,
7484400, -1663200, -21621600, -14968800, 25945920,

5544000, -2217600, -14414400, -17740800, 28828800,
-10644480, -23950080, 34594560, 3628800, 47174400,
39916800, -79833600], [1, -78, 2145, -25740, 135135,
-270270, 135135, 572, -25740, 360360, -1801800,
2702700, -540540, 68640, -1441440, 7207200, -7207200,
1601600, -9609600, 4804800, 3203200, -4290, 154440,
-1621620, 5405400, -4054050, -720720, 10810800,
-32432400, 10810800, -14414400, 43243200, -9609600,
1621620, -16216200, 24324300, 32432400, -32432400,
-16216200, 30888, -864864, 6486480, -12972960, 3243240,
3459456, -34594560, 51891840, 34594560, -34594560,
-12972960, 77837760, -38918880, -103783680, 38918880,
20756736, -62270208, 41513472, -205920, 4324320,
-21621600, 21621600, -14414400, 86486400, -43243200,
-57657600, 43243200, -129729600, 86486400, -103783680,
103783680, 86486400, 1235520, -18532800, 55598400,
-18532800, 49420800, -148262400, 49420800, -111196800,
111196800, 177914880, -148262400, -6486480, 64864800,
-97297200, -129729600, 129729600, 194594400,
-155675520, 28828800, -172972800, 86486400, 230630400,
-172972800, -103783680, 311351040, -207567360,
283046400, -283046400, -518918400, 479001600]]

===== n=14 =====

[[1, 182, 12012, 360360, 5045040, 30270240, 60540480,
17297280, 2912, 320320, 11531520, 161441280, 807206400,
968647680, 1921920, 107627520, 1614412800, 6457651200,
3228825600, 287006720, 5740134400, 17220403200,
5740134400, 11480268800, 48048, 4324320, 121080960,
1210809600, 3632428800, 1452971520, 46126080,
1937295360, 19372953600, 38745907200, 6457651200,
77491814400, 77491814400, 68881612800, 242161920,
7264857600, 43589145600, 29059430400, 38745907200,
232475443200, 154983628800, 58118860800, 116237721600,
768768, 55351296, 1162377216, 7749181440, 11623772160,
516612096, 15498362880, 92990177280, 61993451520,
41328967680, 247973806080, 110210580480, 4649508864,
92990177280, 278970531840, 371960709120, 743921418240,

557941063680, 18598035456, 223176425472, 223176425472,
595137134592, 892705701888, 11531520, 645765120,
9686476800, 38745907200, 19372953600, 5166120960,
103322419200, 309967257600, 206644838400, 413289676800,
38745907200, 464950886400, 464950886400, 1239869030400,
929901772800, 247973806080, 1487842836480,
1983790448640, 619934515200, 1239869030400, 158146560,
6642155520, 66421555200, 132843110400, 44281036800,
531372441600, 531372441600, 708496588800, 265686220800,
1594117324800, 2125489766400, 1275293859840,
2550587719680, 4250979532800, 3643696742400,
1937295360, 58118860800, 348713164800, 232475443200,
309967257600, 1859803545600, 1239869030400,
1394852659200, 2789705318400, 4463528509440,
7439214182400, 20664483840, 413289676800,
1239869030400, 1653158707200, 3306317414400,
4959476121600, 7935161794560, 185980354560,
2231764254720, 2231764254720, 5951371345920,
8927057018880, 1352584396800, 8115506380800,
10820675174400, 7439214182400, 14878428364800,
27467867750400, 51011754393600], [1, 155, 8448, 199980,
2051280, 7817040, 6652800, -665280, 2264, 201520,
5544000, 53665920, 148579200, 34594560, 1066560,
43760640, 416908800, 709632000, -124185600, 95406080,
1056563200, 615014400, 630784000, -441548800, 33792,
2399760, 49230720, 312681600, 399168000, -55883520,
22176000, 643991040, 3565900800, 1383782400,
1667635200, 8515584000, -2980454400, 2460057600,
98461440, 1876089600, 4790016000, -1117670400,
7131801600, 8302694400, -5960908800, 6386688000,
-4470681600, 483648, 26611200, 386394624, 1426360320,
415134720, 210051072, 4002324480, 10218700800,
-2384363520, 7607255040, 8856207360, -4238868480,
1545578496, 17116323840, 9963233280, 40874803200,
-28612362240, 19926466560, 4802789376, 24524881920,
-8583708672, 21254897664, -34334834688, 6399360,
262563840, 2501452800, 4257792000, -745113600,
1717309440, 19018137600, 11070259200, 22708224000,

-15895756800, 10005811200, 51093504000, -17882726400,
44281036800, -35765452800, 45643530240, 53137244160,
-76299632640, 68124672000, -47687270400, 76032000,
2207969280, 12225945600, 4744396800, 11435212800,
58392576000, -20437401600, 25303449600, 48903782400,
56932761600, -81749606400, 140142182400, -98099527680,
151820697600, -140142182400, 787691520, 15008716800,
38320128000, -8941363200, 57054412800, 66421555200,
-47687270400, 153280512000, -107296358400,
159411732480, -286123622400, 6869237760, 76072550400,
44281036800, 181665792000, -127166054400, 177124147200,
-305198530560, 48027893760, 245248819200, -85837086720,
212548976640, -343348346880, 248964710400,
289839513600, -416179814400, 817496064000,
-572247244800, 980995276800, -1961990553600], [1, 132,
5987, 115110, 950040, 3180240, 4218480, 1421280, 1712,
123320, 2651520, 19817280, 51206400, 50359680, 544920,
16403520, 111652800, 218131200, 149385600, 24926720,
158054400, 277043200, -12185600, 118988800, 22798,
1277820, 19902960, 98229600, 166168800, 84611520,
9502080, 191439360, 765273600, 1087027200, 292051200,
762854400, 1730534400, -540467200, 34009920, 415497600,
950745600, 996710400, 603187200, 958003200, -248371200,
-123379200, 1204761600, 286768, 12064896, 128774016,
398845440, 465212160, 72554496, 886394880, 2028257280,
2126315520, 643399680, 1021870080, -176619520,
403812864, 2560481280, 4488099840, -789626880,
7710474240, -4377784320, 841107456, 2197020672,
4983939072, -4669636608, -1430618112, 3269520,
98421120, 669916800, 1308787200, 896313600, 448680960,
2844979200, 4986777600, -438681600, 4283596800,
1752307200, 4577126400, 10383206400, -9728409600,
-1490227200, 3860398080, 6131220480, -3179151360,
-1316044800, 12850790400, 32578560, 656363520,
2623795200, 3726950400, 2002636800, 5231001600,
11866521600, -5559091200, 4136140800, 6569164800,
-3406233600, -2707292160, 26435911680, -33354547200,
-5839257600, 272079360, 3323980800, 7605964800,

7973683200, 4825497600, 7664025600, -1986969600,
-2961100800, 28914278400, -35022274560, -11921817600,
1794723840, 11379916800, 19947110400, -3509452800,
34268774400, -38913638400, -12716605440, 8411074560,
21970206720, 49839390720, -46696366080, -14306181120,
21056716800, 33443020800, -17340825600, -15792537600,
154209484800, -215521689600, -81749606400], [1, 129,
5588, 97020, 609840, 609840, -1995840, -665280, 1718,
118580, 2283600, 11864160, -2772000, -31711680, 551760,
14931840, 61353600, -97574400, -66528000, 26216960,
82790400, -256256000, 15769600, -31539200, 22924,
1215720, 16077600, 38808000, -76507200, -38586240,
9683520, 165432960, 164102400, -807206400, 322291200,
-248371200, -674150400, -205004800, 35038080,
319334400, -399168000, -425779200, 789465600,
-2075673600, 496742400, 159667200, -319334400, 289168,
11290752, 92340864, 19514880, -311351040, 74747904,
681246720, -851558400, -908328960, 842096640,
-2214051840, 353239040, 424714752, 1341204480,
-4151347200, 1021870080, -2043740160, -1660538880,
928198656, -715309056, -1941553152, -1771241472,
2861236224, 3310560, 89591040, 368121600, -585446400,
-399168000, 471905280, 1490227200, -4612608000,
567705600, -1135411200, 1933747200, -1490227200,
-4044902400, -3690086400, 2980454400, 5052579840,
-13284311040, 6358302720, 1703116800, -3406233600,
33200640, 567198720, 562636800, -2767564800,
2209996800, -1703116800, -4622745600, -2108620800,
5413478400, -14233190400, 6812467200, 3503554560,
-7007109120, -12651724800, 11678515200, 280304640,
2554675200, -3193344000, -3406233600, 6315724800,
-16605388800, 3973939200, 3832012800, -7664025600,
-13284311040, 23843635200, 1887621120, 5960908800,
-18450432000, 4541644800, -9083289600, -14760345600,
25433210880, 9281986560, -7153090560, -19415531520,
-17712414720, 28612362240, 27559526400, -72459878400,
34681651200, 20437401600, -40874803200, -81749606400,
163499212800], [1, 113, 4353, 71733, 531888, 1695960,

1537200, -206640, 1256, 74680, 1353744, 9462432,
25287360, 9757440, 257640, 6406176, 47174400,
114199680, -1787520, 6387584, 80765440, 205201920,
57272320, 124436480, 14514, 655038, 8545824, 41060880,
58151520, -12489120, 3513888, 58371264, 301795200,
273450240, 45884160, 643345920, 216760320, 613079040,
8652672, 85700160, 288852480, -152409600, -6612480,
939617280, 952842240, -160151040, -220147200, 156048,
5181120, 47875968, 157070592, 62560512, 20103552,
232162560, 912231936, -127798272, 124508160,
1791627264, 1028407296, 59076864, 420360192, 660151296,
159086592, 959164416, -362299392, 13741056, 431972352,
-796594176, 1508032512, -195084288, 1472424, 34325760,
221376960, 438520320, -134064000, 82086144, 795970560,
1720212480, 746188800, 1848483840, 28627200, 899942400,
-1659571200, 3141734400, -203212800, -831688704,
1277337600, 5881430016, -1708277760, -2348236800,
11544192, 178986240, 823288320, 514667520, 173675520,
2720010240, -205148160, 4050616320, -891095040,
1368576000, 6301532160, -3514171392, -4830658560,
-2760376320, -796262400, 69221376, 685601280,
2310819840, -1219276800, -52899840, 7516938240,
7622737920, -3843624960, -5283532800, -2898395136,
-1625702400, 262563840, 1868267520, 2934005760,
707051520, 4262952960, -3220439040, -1734082560,
137410560, 4319723520, -7965941760, 15080325120,
-1950842880, -4536483840, 6967296000, 32080527360,
-20499333120, -28178841600, -17836277760,
-11147673600], [1, 108, 3803, 52038, 260568, 398160,
226800, -30240, 1256, 67760, 966144, 3693312, 2943360,
887040, 251880, 4460736, 9844800, -1048320, -8104320,
4089344, -10536960, -24442880, -23367680, -37560320,
14734, 590508, 5557104, 11501280, 7953120, -1753920,
3550848, 35207424, 20160000, 15805440, 15778560,
-133217280, -152570880, -132751360, 9721152, 42456960,
27578880, -19353600, -60641280, -23224320, -221276160,
-53706240, -14515200, 159808, 4492800, 24772608,
24256512, 16837632, 20332032, 78382080, -14321664,

-90058752, -97198080, -219856896, -244056064, 77220864,
48771072, 262434816, -636346368, -678150144, 241532928,
74704896, -32514048, -88252416, -210567168, 130056192,
1529424, 27780480, 74309760, 54673920, -18144000,
81736704, -27095040, 47738880, -516096000, -701890560,
155635200, -67737600, -183859200, -438681600,
135475200, -193019904, 1021870080, -1271660544,
-572866560, -154828800, 12298752, 125936640, 121374720,
158699520, 143032320, -495452160, -628162560,
-808058880, -206807040, 1094860800, -1362493440,
-1178468352, -318504960, 1840250880, 530841600,
77769216, 339655680, 220631040, -154828800, -485130240,
-185794560, -1770209280, -1288949760, -348364800,
1932263424, 1083801600, 343203840, 216760320,
1166376960, -2828206080, -3014000640, 2146959360,
1156055040, 747048960, -325140480, -882524160,
-2105671680, 1300561920, -1052835840, 5573836800,
-6936330240, -6874398720, -1857945600, 11890851840,
7431782400], [1, 104, 3363, 36270, 42840, -650160,
-861840, 90720, 1268, 63580, 705600, -231840,
-11592000, -2479680, 263760, 3843840, -5846400,
-37094400, 14112000, 6056960, -6809600, 21504000,
15769600, 40140800, 14874, 536220, 3099600, -12852000,
-34927200, 5261760, 3755520, 24312960, -128217600,
-41126400, 46771200, -87091200, 212889600, 189235200,
10342080, 1814400, -217728000, 58060800, 43545600,
101606400, 174182400, -21772800, 43545600, 162168,
3903552, 5552064, -87333120, -30119040, 22466304,
15966720, -391910400, 172247040, 78704640, 301916160,
209879040, 87236352, -328043520, -304819200, 150958080,
859299840, 226437120, 105670656, -599187456, 264757248,
706019328, -390168576, 1564560, 22055040, -50198400,
-283046400, 54432000, 100961280, -283852800, -96768000,
245145600, 799948800, 220147200, -1248307200,
551577600, 1470873600, -406425600, 85155840,
-510935040, 681246720, -232243200, 464486400, 12752640,
78174720, -491443200, -244684800, 286156800,
-1011916800, 1045094400, 1393459200, 91238400,

-547430400, 729907200, -477757440, 955514880,
1725235200, -1592524800, 82736640, 14515200,
-1741824000, 464486400, 348364800, 812851200,
1393459200, -522547200, 1045094400, 1811496960,
-3251404800, 387717120, -1457971200, -1354752000,
670924800, 3819110400, 2012774400, -3468165120,
1056706560, -5991874560, 2647572480, 7060193280,
-3901685760, 464486400, -2786918400, 3715891200,
-2786918400, 5573836800, 11147673600, -22295347200],
[1, 98, 3318, 49728, 346353, 1006110, 1026900, 435960,
896, 46480, 794304, 5485872, 12536160, 8547840, 122640,
3311616, 26686800, 40716480, 17666880, 4089344,
54019840, 20536320, 40136320, -33483520, 8484, 328608,
4142124, 19703880, 26853120, 18809280, 1185408,
25802784, 141523200, 114387840, 46035360, 333083520,
60117120, 198589440, 1164492, 31608360, 124876080,
166471200, 159707520, 493274880, 173859840, 196378560,
413078400, 73248, 2096640, 19480608, 54617472,
46956672, 4741632, 96082560, 203890176, 157183488,
194664960, 46900224, -228286464, -6422976, 124975872,
192036096, 1006774272, 268240896, 1327269888,
-53391744, -147184128, 191890944, 265531392,
1076447232, 518784, 10970400, 75468960, 101041920,
132048000, 15437184, 329871360, 4999680, 680870400,
-649743360, -62395200, 279417600, 985824000,
2115993600, 2293401600, -373976064, -1468938240,
-1441972224, -249500160, -282240000, 2575872, 42698880,
194987520, 146603520, 66366720, 631895040, 99671040,
732856320, -65802240, 435456000, 1134120960,
-513257472, -580608000, -603832320, -199065600,
4432176, 106354080, 119931840, 745718400, 496258560,
-742210560, -1734727680, 1196778240, 2881267200,
-634023936, -406425600, -54593280, 34513920,
-709309440, 2390814720, -2975293440, 5546741760,
-433520640, -533917440, -1471841280, 1918909440,
2655313920, 10764472320, -2039869440, -8012390400,
-7865303040, -2994001920, -3386880000, -3901685760,
-2786918400], [1, 91, 2681, 31451, 149660, 226800,

-144480, -58800, 882, 38248, 461006, 1917356, 1691480,
-2568720, 102144, 1500968, 6493760, 1484000, -2773120,
610736, 8693440, -3917760, 5725440, -1917440, 8750,
272370, 2186548, 5403720, -3442320, -2325120, 1011388,
8632344, 23196880, -43999200, -1547840, 33801600,
-22641920, 3879680, 1363544, 4443600, -14404320,
-18096960, -20238400, -102506880, -84797440, -31086720,
-54270720, 78344, 1669304, 8927520, 11381664,
-20496000, 3557792, 24171392, 28769664, -18041856,
11223296, 11121152, -23740416, -702240, 14864640,
-183512448, 39040512, -100552704, -208664064,
-20616960, 40965120, 15934464, 66533376, -163860480,
586264, 7914144, 28556640, -8843520, -13574400,
3851680, 77320320, -116995200, 111462400, -3655680,
-50910720, -10160640, -62307840, -116067840,
-361697280, -122648064, -156355584, -113541120,
50426880, 185149440, 3342064, 26369952, 67730880,
-133526400, -25303040, 219233280, -4085760, 132321280,
-185982720, -494968320, -558243840, 103735296,
380878848, 156549120, 79626240, 11704224, 59424960,
28022400, -49271040, -34567680, -56017920, -169021440,
-173053440, -156441600, 164376576, 162570240, 1123584,
150958080, -560931840, 513085440, 232243200,
-836075520, 173408256, -206169600, 409651200,
159344640, 665333760, -1638604800, -668989440,
-852848640, -619315200, 605122560, 2221793280,
1011548160, 1114767360], [1, 88, 2423, 24998, 104888,
297360, 596400, 238560, 876, 34660, 329024, 950432,
3133760, 5490240, 93480, 693056, -952000, 6030080,
12682880, -856576, -13045760, -3655680, -9031680,
5447680, 8894, 250068, 1536304, 4277280, 13597920,
9065280, 971008, 1997184, 448000, 45642240, -16835840,
-69780480, 50283520, -29532160, 1800512, 658560,
21127680, 44620800, -38241280, -107627520, 33904640,
4354560, -37094400, 80408, 1463360, 5224128, 18423552,
37629312, 3030272, -13457920, 12665856, 111433728,
-67809280, -125526016, 52985856, 4940544, -5311488,
47932416, -101756928, -42491904, -24901632, -8085504,

11354112, 84639744, -52297728, -45416448, 613504,
6316800, 14837760, 71070720, 69888000, -1304576,
-78704640, 24084480, -139059200, 63651840, -18816000,
0, 152678400, -172032000, -94617600, -32169984,
-321699840, 317915136, 141066240, -206438400, 3649792,
16258560, 55096320, 182507520, -66222080, -212213760,
286679040, -164986880, -47984640, -425779200,
232488960, 290193408, -424673280, 242810880, 0,
14601216, 11182080, 204503040, 380620800, -274391040,
-671784960, 397393920, 246435840, -606412800,
254951424, 0, 23009280, -2580480, 276111360,
-368148480, -20643840, 30965760, 0, -80855040,
113541120, 846397440, -522977280, -454164480,
-175472640, -1754726400, 1734082560, 1692794880,
-2477260800, 1568931840, 0], [1, 85, 2147, 16871,
11984, -123480, -159600, -68880, 888, 32800, 230144,
-253120, -1590400, -1585920, 102564, 668864, -2803360,
-3727360, -3209920, 132608, -4766720, -3010560,
-1935360, 2007040, 8984, 225912, 701344, -2254560,
-2943360, -2526720, 1091872, 1049664, -12709760,
-12015360, -4726400, 2795520, 2813440, -4157440,
2034368, -3292800, 9031680, -8843520, -5824000,
48491520, 40033280, 24192000, 37416960, 81608, 1237472,
-142464, -8324736, -10303104, 4020800, -14250880,
-9993984, -28976640, -22349824, -7512064, 10493952,
7359744, -15278592, 10192896, 37782528, 118142976,
84252672, -5666304, 35739648, -31868928, -52297728,
70705152, 628468, 4550112, -11702880, -13641600,
-20771520, 5899264, -46878720, -31395840, -23152640,
39997440, -7889280, 121443840, -19407360, 16343040,
167623680, -40685568, 64339968, 34062336, 70103040,
23224320, 3805312, 5185536, -37777920, -49735680,
-25187840, 25282560, -55142400, -88309760, -16742400,
230031360, 251289600, 144211968, 47775744, -217251840,
-79626240, 15883392, -38088960, 1774080, -117734400,
-109240320, 12042240, 69672960, 298690560, 334172160,
-228114432, -162570240, 30621696, -109670400,
-79994880, 860160, 190955520, 247726080, -173408256,

-56663040, 357396480, -318689280, -522977280,
707051520, -221921280, 350945280, 185794560, 841236480,
278691840, -1403781120, -1114767360], [1, 80, 1707,
5166, -90216, -287280, 226800, 90720, 908, 29620,
80064, -1501920, -1310400, 3689280, 117744, 585984,
-4152960, 9354240, 2983680, 1799168, 6522880, 16343040,
10608640, -8028160, 9114, 182412, -601776, -8134560,
4263840, 3084480, 1274112, -2249856, -23708160,
48867840, 12902400, 52254720, -30965760, 13762560,
2213568, -19958400, -8709120, 5806080, 14515200,
-20321280, -81285120, -21772800, -60963840, 83688,
844992, -7729344, -17369856, 26925696, 5725440,
-21772800, 50512896, 21288960, 58576896, 88252416,
-41975808, 9725184, -115540992, 102767616, 137023488,
-283336704, -212502528, 1161216, -13934592, 13934592,
37158912, -55738368, 654768, 1395072, -45118080,
21772800, 23950080, 18514944, -36126720, 205148160,
198696960, -159989760, -3386880, -98703360, -40642560,
-108380160, -197406720, -17031168, 102187008,
-136249344, 46448640, -92897280, 4084992, -15634944,
-120683520, 168376320, 48936960, 202383360, -49766400,
145981440, -58060800, -129392640, -464486400, 95551488,
-191102976, -345047040, 318504960, 18289152,
-142248960, 34836480, 116121600, 209018880, 394813440,
-278691840, -104509440, -627056640, -362299392,
650280960, 46319616, -451584000, 642539520, 856719360,
-763822080, -1145733120, 693633024, 11612160,
-139345920, 139345920, 371589120, -557383680,
-92897280, 557383680, -743178240, 557383680,
-1114767360, -2229534720, 4459069440], [1, 87, 2702,
38310, 252765, 721155, 704160, -148140, 632, 31520,
541920, 3551280, 8625000, 5361360, 75120, 2291520,
15334800, 32474400, 9556800, 3557120, 20678400,
48112000, -4553600, 27433600, 4348, 169020, 2287260,
10725900, 16668000, -6629760, 617280, 17033760,
74440800, 95073600, 41959200, 105969600, 136339200,
-82489600, 795420, 27436500, 74433600, -61664400,
155858400, 156484800, -155232000, 173664000,

-144331200, 23968, 740736, 7429536, 24815040, 23405760,
2317056, 44887680, 149489280, 87985920, 86868480,
238855680, 43412480, 4601664, 121034880, 282666240,
542142720, 646525440, 732775680, 3632256, 146679552,
205120512, 528602112, 909785088, 63120, 2121120,
13326000, 41356800, -49636800, 11314560, 43526400,
283065600, -95712000, 479078400, 47877600, 124185600,
-419184000, -269299200, -745344000, 87098880,
763361280, 1178327040, -82483200, -88358400, -541440,
-1399680, -14544000, 62841600, 61804800, -118540800,
435225600, -731520000, 369734400, 195955200,
-1087027200, 742487040, 1642567680, -221644800,
-77414400, -8753040, -67719600, -130118400, -311918400,
158486400, 42566400, -274406400, 1265587200,
-1287187200, 2959856640, -158054400, -60168960,
-483264000, -33638400, -492825600, 1798502400,
1353830400, 5507112960, -229726080, -1725788160,
-1141378560, -3227535360, -3672483840, -492364800,
-1640908800, -1312358400, -989798400, -1060300800,
-1432166400, -1083801600], [1, 78, 2018, 21948, 98973,
128910, 51300, -10440, 596, 22700, 274404, 1120092,
500160, 108240, 43800, 897456, 3611400, -2975520,
-2284320, 1095584, 4242240, -9562880, 1016320,
-1118720, 4564, 122688, 1045044, 2316480, 947520,
-421920, 255048, 5041224, 6206400, -843360, 10770960,
-7145280, -20191680, -9948160, -206388, 3805560,
3613680, -3376800, 27256320, -4763520, 7338240,
18221760, -9417600, 30088, 570960, 3320568, 781152,
3838752, 514752, 12306240, -31204224, -20677632,
26716800, -79670016, 9552896, -4813776, -2639808,
25949376, 24613632, -94662144, -5260032, -10805184,
-62339328, -36930816, -133705728, -178357248, 139584,
2026080, 7172160, -1255680, -2592000, 2243424,
17640960, -27438720, 19027200, -15336960, -6619200,
-2822400, -13536000, -24614400, -58982400, -23057664,
-38085120, -47806464, 4400640, 28800000, 186912,
4574880, -3242880, 35003520, 22561920, -80386560,
-58498560, -82068480, 43349760, 149299200, 56770560,

-100058112, -158976000, 37140480, 22118400, -3107664,
2659680, -42327360, -10857600, 112296960, -163445760,
144875520, 152375040, -32140800, -342890496, 45158400,
-25980480, -46874880, 179631360, 81976320, -22947840,
210447360, -630743040, -76227840, -241505280, 12579840,
-318689280, -256020480, -10045440, 486604800,
665026560, 52807680, 345600000, 239984640, 309657600],
[1, 73, 1673, 15413, 67328, 147960, 121200, -24240,
576, 17800, 153224, 624272, 1321760, 911040, 26400,
161336, 1077200, 4266080, 668480, -376096, 39040,
8929920, -391680, 2529280, 4754, 99678, 584944,
1674480, 1890720, -921120, 108688, -181536, 1086400,
13875840, -4024640, -6046080, 19025920, -3919360,
-242848, -3071040, -10581120, -3763200, -12263680,
775680, 3261440, -16727040, 13017600, 33488, 452000,
2168448, 4605312, 3478272, -333088, -93760, 9181056,
185088, -1907200, 32635904, -10727424, -3872256,
-20034048, -589824, -42244608, 57455616, -42319872,
-1622784, -25970688, -22219776, -18567168, 9326592,
177304, 1403760, 6248160, 8099520, -7872000, -3960896,
-1309440, 63079680, -3737600, 44912640, -12048000,
-90720000, -15513600, -46464000, 71270400, 25199616,
-24115200, -82796544, 19875840, -3686400, 542272,
2780160, 9419520, 20075520, -9543680, -15912960,
36003840, -9236480, -16880640, -58060800, 22364160,
23113728, -43130880, 27156480, 0, -406464, 4673280,
-10287360, -47923200, 12917760, 133232640, -68935680,
-104002560, 98611200, -33693696, 0, -10225920,
-9262080, 57000960, 11550720, 174735360, -137687040,
-110592000, -11043840, -197498880, -159989760,
-19783680, 342097920, 156303360, -18432000, -300810240,
238510080, -44236800, 175472640, 0], [1, 70, 1442,
9716, 10829, -82530, -140700, 19320, 588, 16660,
100604, 22820, -1120000, -451920, 32424, 190064, 98840,
-3374560, 536480, -32032, 844480, -1800960, 80640,
-680960, 4844, 88032, 257404, -742560, -3396960,
749280, 182392, 376824, -3200960, -5312160, -400400,
-3353280, -1386560, -1469440, -76132, -256200,

-8583120, 4310880, -1388800, -3722880, 4954880,
-6350400, 1733760, 34328, 360752, 459816, -4383456,
-2027424, 82880, 3133760, -12130944, 6827520, 5484416,
3643136, 4795392, -2664816, 7159488, 4931136, -3585792,
7343616, 790272, -1372224, 14692608, 17724672,
28987392, 56189952, 185248, 897792, -161280, -16867200,
5537280, -1919456, 12257280, -10631040, 367360,
-16181760, -7990080, -10402560, 16477440, -21557760,
17633280, 17617152, 77081088, 60512256, -6504960,
-23546880, 601312, 1198176, -7163520, -9905280,
-2522240, 53760, -1344000, -6056960, -3091200,
21288960, 30105600, 21869568, 22063104, -19568640,
-13271040, -138768, 6918240, -45702720, 29232000,
23009280, 10429440, 11612160, -60560640, -21450240,
102832128, -27095040, -10363584, 43142400, 1048320,
-7203840, -96122880, -76446720, 190439424, -24003840,
23546880, 53867520, -39137280, 68382720, 58705920,
196116480, 30965760, -78059520, -282562560, -126443520,
-185794560], [1, 67, 1247, 6665, 10220, 50400, 67200,
-8400, 582, 14080, 40190, -60340, 387800, 92400, 26280,
-169540, -1157800, -355600, -1405600, -579040,
-2508800, -1680000, 0, -1702400, 4988, 76440, 99820,
625800, 1638000, -319200, 164440, -1523760, 212800,
201600, -3617600, -5006400, -13596800, 9228800, 198800,
940800, 5040000, -1948800, 3248000, 4704000, -4480000,
6048000, -3225600, 35888, 261656, -81984, 3027360,
1841280, -228424, -6413680, -3323040, -9562560,
-6657280, 842240, 752640, -351456, 10268160, 10846080,
12888960, -24541440, 13708800, -41664, -3886848,
3693312, 28987392, -709632, 202660, 289800, 831600,
7072800, -2083200, -4178720, -12566400, -6115200,
-1702400, -27417600, 3057600, 4233600, -5376000,
59404800, -26880000, 17955840, -1075200, 13547520,
-10214400, 19353600, 760360, -1749360, 9444000,
9595200, -14854400, -36096000, -42009600, 55321600,
35356800, 8467200, -30720000, -12303360, 57231360,
-33945600, 0, 1011360, -3494400, 12297600, -8870400,
-15859200, -10214400, 0, 33062400, 3225600, -5160960,

0, -4226880, 14918400, 23788800, -20428800, -83865600,
24192000, 54190080, -2956800, -69350400, 6451200,
208588800, -129024000, 88704000, -61286400, 0,
-122572800, 232243200, -219340800, 0], [1, 63, 959,
525, -34524, -58800, -30240, 5040, 602, 12824, -10206,
-380940, -96600, -52080, 36960, -46620, -311640,
1157520, 1212960, 51296, 1344000, 2558080, -358400,
1415680, 5068, 56952, -314748, -951720, -448560,
171360, 263088, -1153152, 3195360, 772800, 792960,
8043840, 10846080, -2383360, 225792, -594720, 2600640,
322560, 4919040, 7096320, -4515840, 2903040, -3386880,
36904, 117936, -1920240, -873600, -2068416, 473256,
-1877904, 5787936, 7465920, 1639680, 4354560, -4566016,
-453600, 8523648, -15265152, -10620288, -661248,
2999808, -1512000, -4886784, -8273664, -28643328,
-39287808, 213108, -567000, -4477200, -1703520,
1330560, -208992, 12996480, 6599040, -8762880,
24622080, 611520, 19877760, -2257920, 376320,
-10967040, 3075072, -42577920, -47781888, -13870080,
-5160960, 842616, -5434128, 1985760, -12237120, 564480,
26127360, 40320000, -17740800, 19393920, -725760,
-25804800, -54383616, -62318592, 41932800, 17694720,
1461600, -11329920, 3991680, 6451200, 14353920,
27417600, -15482880, 2419200, -34836480, -46448640,
36126720, -3100608, 29594880, -52496640, -53544960,
91607040, 88058880, -122314752, -7580160, 41610240,
7741440, -45158400, -30965760, 44190720, -67737600,
-41287680, -166440960, -61931520, 270950400,
247726080], [1, 57, 557, -6495, -55440, 79800, 226800,
-25200, 632, 10760, -75600, -420000, 1780800, 134400,
53160, 60480, 638400, 2553600, -2889600, 1057280,
3225600, -10035200, 716800, -1433600, 5158, 23850,
-856800, -445200, 5191200, -856800, 393120, -2157120,
5040000, -7392000, 6720000, -14515200, -16128000,
-9318400, 80640, -8366400, 2419200, -1612800, -4032000,
-49996800, 22579200, -21772800, 16934400, 38608,
-108864, -3556224, 8843520, 4112640, 1645056, 483840,
19353600, -18278400, 24944640, -54190080, 16056320,

-1403136, -16128000, 4838400, -23224320, 49029120,
-7741440, 1161216, 21676032, 13934592, 37158912,
86704128, 230280, -2036160, -6014400, 31046400,
-6652800, 6397440, 18278400, -56985600, 10752000,
-21504000, -11424000, -46771200, 11289600, -68812800,
54835200, 14622720, 30965760, 116981760, -12902400,
25804800, 984960, -12614400, 22924800, 16819200,
28800000, -13824000, -70963200, -40550400, -47462400,
-91238400, 129024000, 24330240, 154828800, 95846400,
-88473600, 2338560, -34675200, 101606400, -32256000,
90316800, -258048000, 77414400, -193536000, 174182400,
278691840, -180633600, 322560, -6451200, 19353600,
25804800, -51609600, -77414400, 123863040, -3225600,
38707200, -38707200, -103219200, 154828800, 25804800,
-154828800, 206438400, -154828800, 309657600,
619315200, -1238630400], [1, 80, 2373, 32430, 208455,
585180, 490275, 324990, 464, 24520, 417600, 2741520,
6730800, 2403720, 67560, 1727040, 11890800, 25939200,
-1443000, 1863680, 17363200, 40339200, 7408000,
22976000, 1842, 98460, 1438020, 7250400, 9886050,
11371860, 691200, 12457440, 58968000, 42170400,
13903200, 104659200, 8575200, 65395200, 2309940,
25326000, 61487100, 105802200, 17812800, 86680800,
51055200, -33593400, 172962000, -2352, 144000, 2627424,
12913920, -2404080, 2806272, 32388480, 127353600,
-70888320, 17303040, 250306560, 143800320, 24463296,
166717440, 120761280, 21772800, -183824640, -346731840,
66773376, 319749120, -183814272, 210622464, -691193088,
-125040, -1836960, -6624000, 1288800, 45442800,
5965440, 40972800, 121449600, 3609600, 160953600,
86601600, 351086400, 719755200, 18720000, 382708800,
460247040, 1119951360, 398914560, 691862400,
1424851200, -1267200, -20027520, -65145600, -120009600,
-22867200, 19353600, -459475200, 221644800, 133056000,
119750400, -292723200, 991180800, -957588480,
2399155200, -43545600, -7775280, -112449600,
-216982800, 58773600, -277574400, 63331200, 618480000,
-333655200, 1315569600, 1006836480, 4321900800,

-31299840, -379238400, -723513600, -1023436800,
-1377100800, -2241907200, -2783324160, -88404480,
-583200000, -325866240, -918328320, -862824960,
-239155200, -765158400, -573696000, -519264000,
-545011200, -783820800, -609638400], [1, 69, 1658,
17250, 73485, 110145, -32940, -18540, 398, 15500,
192540, 708720, 804990, -717420, 31920, 673680,
1608000, 1912560, -575760, 865760, -1152000, 1022560,
-3574400, -4113920, 1864, 58860, 566820, 1313700,
-557460, -541800, 225240, 3697920, 4252680, -9338640,
6643200, -5603040, -10860480, -6690880, 413100,
4902300, -3870720, -5042160, 14973480, -27501840,
6845760, 4672080, -5024160, 3808, 132912, 797904,
2551920, -4542480, 780864, 3052800, 18722880, -72960,
-4197120, 23667840, -16261120, 3640032, 13116960,
-39571200, 7516800, -31127040, -30438720, 4617216,
35731584, 1513728, 49206528, -4548096, -40560, -168480,
-1858800, 1621440, -453600, 3452160, -17497920,
2723520, -53013120, -50035200, 18199200, -26254080,
-34323840, -70596480, 20384640, 11637120, -25850880,
-123340800, -65479680, -122780160, -554400, -3680640,
-3955680, -18728640, 9446400, 9089280, 9515520,
12176640, 59653440, -128304000, 106951680, 88680960,
-34560000, -213557760, 9676800, -3387600, -23072400,
25868160, 17732160, -26621280, 130461120, -35838720,
39234240, -24209280, 117262080, -380551680, -10454400,
-63515520, -20471040, -121443840, -8017920, -182707200,
-154644480, -12309120, 55848960, 113978880, 221898240,
349885440, -15747840, 111490560, 149114880, 14860800,
127872000, 98150400, 135475200], [1, 62, 1266, 11244,
45933, 95886, 131364, 67896, 356, 10012, 96948, 346764,
661056, 634896, 9240, 187824, 463752, 972768, 941280,
200480, -148928, -510720, -571904, -709120, 2004,
37440, 257364, 658080, 1912896, 1735776, -12312,
393192, 886464, 2619936, 846864, 3434688, 267840,
-365568, -242100, -1018440, 5887728, 7306848, -1926144,
18824832, -4310784, -1463616, 8747136, 8232, 110736,
418392, 663264, 1236384, -108864, -1596096, -2215296,

2727936, -3823488, 1274112, 390144, -1473552,
-11254464, -1166400, -25069824, 26417664, -13250304,
-2676672, -16111872, 1223424, -13160448, 19160064,
6144, 207840, -78336, 2939904, 6709248, 959712,
-4443648, -15566976, -8212224, -10489344, 410688,
19678464, 13471488, -5119488, -29362176, -14987520,
-25754112, 24864768, -3322368, -17980416, -203616,
-336096, -3155328, -8491392, 6083712, 11847168,
-21966336, 4967424, -1209600, 58724352, -22781952,
-50181120, 38983680, -19408896, 0, -1315152, -5604768,
1301184, 10938240, 2644992, 28173312, -3244032,
-4831488, 66728448, -58226688, -47443968, -1459008,
-21300480, -75015936, -16192512, -23758848, -17556480,
135143424, 14342400, 47526912, -63783936, 45232128,
-112472064, 33232896, 31850496, 20348928, 55019520,
-25989120, 49766400, 0], [1, 59, 1068, 6900, 5835,
-50355, -41040, -27540, 368, 9400, 66240, -31080,
-580560, -306720, 13020, 203880, -452700, -1457040,
-90960, 318560, -1035200, -90240, 232000, 1191680,
2094, 34110, 139770, -453150, -228960, -675000, 30240,
796320, -3629520, -1700640, 1999800, -6215040, 4021920,
4437120, -133200, 529200, 1356480, -2172960, 1291680,
-7007040, 5760, 492480, -2194560, 8808, 97632, 53784,
-1417680, -708480, 64224, -115200, -5447520, 987840,
-241920, -2252160, 1678080, -660528, -1988640,
-1728000, -8251200, 3461760, -4734720, -1092384,
-2059776, 3189888, -1239552, 11280384, 8940, 231720,
-852300, 2697840, -2797200, 1356960, -6381120, 2949120,
1462080, 15561600, 2489400, 13785120, 1265760,
24779520, 16640640, -4423680, 1969920, 15552000,
15016320, 27267840, -201600, 552960, -2422080, 2280960,
6091200, -17349120, 15045120, 21680640, 3075840,
-24710400, -14584320, -21392640, 5184000, 48522240,
-4147200, -1468800, 936000, 20381760, -7136640, 558720,
-20954880, -7902720, 2989440, -23604480, -28753920,
85432320, -3326400, -1019520, 20943360, -15863040,
15137280, -11059200, 32901120, 2760480, 49714560,
8311680, 49904640, 18455040, -5667840, -49213440,

-108933120, -7603200, -48384000, -33177600, -58060800],
[1, 59, 1113, 9435, 41820, 59760, -102240, -51120, 338,
7720, 67950, 389100, 639960, -1005840, -480, 21000,
1382400, 3692640, -1107840, -86800, 3083200, 6853440,
2771200, 5342720, 2094, 28530, 152820, 333000,
-1380240, -1226880, -98820, -795240, 2131920, -5729760,
-1368000, 13818240, -5425920, 17575680, -377640,
-4158000, -4704480, -5624640, -6742080, -3404160,
14192640, 1537920, -12061440, 10248, 100152, 631584,
969120, -5443200, -405216, -270720, 15223680, -4239360,
-357120, 24353280, 32194560, -1682208, -18835200,
-14048640, -15966720, -51978240, 33384960, 850176,
-6552576, 14681088, -24717312, 12939264, 23640, 179040,
1087200, -253440, -3168000, -818400, 2709120, 7505280,
5867520, 8140800, -3513600, -15966720, -11266560,
-3294720, 3317760, 115200, -7879680, -16220160,
-875520, -1751040, -72720, -159840, 838080, -15500160,
115200, 28062720, -12165120, 30044160, -11370240,
-7257600, -15482880, -13271040, 26542080, -13271040, 0,
-563040, -4795200, 12493440, 8605440, -9285120,
-414720, 105246720, 16796160, -87505920, -21565440,
-23224320, 1601280, -27002880, 1520640, -57692160,
-129761280, 160358400, 44236800, 21911040, 2488320,
121927680, -189665280, 29859840, 39536640, 21565440,
-115015680, 35942400, 71884800, 0, 0], [1, 54, 818,
4260, 9245, 4510, -5340, -3720, 348, 6020, 20300,
31700, -640, -90640, 1320, -58000, -97000, 113440,
-70240, -125600, -283200, -956160, -416000, -1070080,
2284, 22880, 53020, -11200, -6240, -82080, -47720,
-337640, -652480, -457760, -502800, 210240, -813120,
-3384320, -141540, -632200, 175920, -270240, -1319680,
1517440, -1967360, -329280, -954240, 11448, 57712,
217224, 15520, -448800, -291136, 137280, 2935680,
151040, 439680, -3800320, -5104640, -295088, -2216000,
624960, 5991680, -1661440, 6869760, 1763776, 4978944,
-959232, 3534848, -7658496, 31840, 64640, 171200,
639360, -211200, -655200, -993280, -91520, 177920,
-3289600, 20800, 1063680, 464640, 8353280, -522240,

3462400, 5214720, 5027840, 468480, 4776960, -34720,
302560, -1390720, -1848960, 828800, 6801920, 3950080,
-12835840, -6301440, 3225600, 6021120, 8463360,
-9861120, 4392960, 0, -564240, 821600, 3848640, 339840,
1146880, -1694720, -12513280, -5725440, -8056320,
9615360, 15175680, -41920, -8410880, -4066560,
11453440, 13445120, 20198400, -28876800, 8874240,
5329920, 6650880, -2273280, -11612160, -6543360,
-13762560, 44728320, -24729600, -3379200, -27648000,
0], [1, 50, 582, 96, -17871, -53730, 18900, 9720, 368,
5440, -2016, -133680, -276000, 362880, 7944, 26544,
28440, 255840, 14880, 43808, 378880, 877440, 240640,
650240, 2364, 14832, -78876, -583560, 159840, 190080,
4752, 237744, -754560, 2744640, 190800, 1379520,
-423360, 2242560, -98532, 383400, 157680, 341280,
-1296000, 1105920, 1025280, -129600, 1330560, 12048,
11232, -257904, -1475136, 1930176, -70560, 1954080,
677376, -1457280, -117504, 2797056, 3274752, -262656,
2009088, 4098816, 27648, -751104, 2460672, 1011456,
3829248, -2792448, 2506752, -5142528, 36048, -79968,
-964080, -561600, 319680, 5664, 1265280, 408960,
-1674240, 61440, -168480, -639360, -3231360, -7810560,
-7672320, -718848, -13105152, -18468864, -6082560,
-9953280, -17568, 457056, -3985920, 6894720, 1200960,
1416960, -8352000, 6819840, -4492800, -1175040,
-4838400, 12469248, 3815424, -21565440, 3317760,
-595728, 4638240, -3309120, -2160000, -5713920,
-7925760, 12072960, 1071360, 18178560, 15372288,
-38154240, -981504, 5184000, 4561920, -9815040,
-3041280, 7188480, -13049856, 3576960, 4769280,
-16519680, -4423680, -5806080, -12718080, -42577920,
-7741440, 16865280, 60272640, 26542080, 46448640], [1,
50, 618, 2160, 13365, 73350, 123300, 63000, 344, 3880,
-14040, 15480, 309600, 684000, -2280, -214080, -613800,
-770400, 1504800, -220000, -387200, -700800, 1523200,
2432000, 2472, 17280, 40320, 615600, 1026000, 1231200,
-38880, -622080, -2044800, -3715200, 183600, -1252800,
1771200, 4224000, 86940, 1053000, -3099600, -1663200,

3139200, -12268800, 4550400, 907200, -3715200, 12768,
7200, 242784, 1664640, 2885760, -432288, -2054880,
-5909760, 5109120, 3156480, 276480, 6758400, 914976,
1422720, -16571520, 11681280, -3064320, -1175040,
1198656, 5356800, -6020352, -2451456, 2737152, 43200,
-144720, 1198800, 2707200, 6321600, -1409760, -6364800,
-17539200, 14400000, 19584000, 4485600, -1641600,
-24796800, -13708800, 15552000, -1497600, 25297920,
-22487040, -3686400, 3686400, 38880, -203040, 1324800,
2332800, -1281600, -6393600, 748800, 8755200, 4838400,
-12096000, -691200, 1797120, 829440, 0, 0, -253440,
748800, -1900800, 10713600, 2419200, -15436800,
15667200, 1728000, -24192000, 10506240, 0, 391680,
-5644800, -24192000, 27878400, 33638400, -11059200,
-21012480, 5529600, 20736000, -48384000, -52531200,
74649600, -24883200, 118886400, -94003200, -44236800,
44236800, 0, 0], [1, 47, 447, -675, -4860, 3600,
-36000, -18000, 362, 3640, -23310, -24300, -5400,
-284400, 3840, -115260, 23400, -54000, -280800,
-107680, 64000, 105600, 256000, 166400, 2508, 9720,
-58140, 264600, -270000, -324000, 720, -129600,
1116000, -129600, 144000, 1339200, 1814400, -499200,
60480, 1231200, 1252800, 1036800, 1440000, -691200,
460800, 0, 2419200, 13128, -36144, -93744, 115200,
-1218240, -238104, -314640, -246240, -590400, -541440,
-1175040, 1274880, 458784, 823680, 3507840, 190080,
5587200, -9607680, -189504, -4278528, 2287872,
-3575808, 4727808, 46260, -296280, 745200, -943200,
-1756800, -655200, -720000, 777600, 3340800, -691200,
3268800, 432000, 8985600, -13939200, -1382400,
-6312960, -3870720, 2304000, -230400, -7372800, 52920,
-412560, 1029600, -2030400, -403200, 691200, 2534400,
-1152000, 2851200, 1209600, 0, -5944320, -829440,
1382400, 0, -243360, 1756800, -432000, -2764800,
-2419200, -3916800, 3686400, 2419200, 13824000,
-2211840, -11059200, 83520, -3859200, 9158400,
14284800, -10137600, -32486400, 21012480, 4492800,
-10368000, 11059200, -8294400, 0, -15897600, 9676800,

0, 19353600, -44236800, 49766400, 0], [1, 42, 182,
-4200, -14175, 19950, 18900, 12600, 392, 3080, -37800,
5880, 218400, 184800, 14280, 5040, 499800, 184800,
84000, 140000, 67200, 112000, -627200, -896000, 2548,
-5040, -210420, 197400, -100800, 201600, 60480, 50400,
806400, -134400, 445200, -1512000, -3729600, -1254400,
-44100, -12600, -2797200, -1461600, -1008000, -403200,
-403200, 907200, -3024000, 13888, -108864, -320544,
537600, 604800, 163296, 1602720, -1209600, 309120,
-2311680, 1935360, -2867200, -284256, -1733760,
-6410880, -3386880, -5644800, 2419200, -411264,
-4451328, 870912, -1548288, 5419008, 52080, -594720,
1066800, -705600, 1512000, 883680, 2755200, 5712000,
-4569600, -3763200, 218400, -3830400, -7459200,
15859200, 8870400, -3924480, 8709120, 18923520,
11289600, 16128000, 82080, -1058400, 2016000, 1008000,
2318400, -1209600, -4435200, -3225600, -3225600,
-7257600, 8064000, -967680, 9676800, 12902400,
-5529600, -186480, 2671200, -8164800, 3427200,
-6451200, 22579200, -9676800, 13305600, -21772800,
-23224320, 32256000, -282240, 3225600, -2419200,
-8064000, -3225600, 9676800, 7741440, 2217600,
-12096000, -2419200, 12902400, 9676800, -12902400,
19353600, 12902400, 48384000, 19353600, -77414400,
-77414400], [1, 35, -147, -6825, 4620, 126000, -50400,
-25200, 434, 1960, -54810, 194460, 348600, -882000,
29400, 78960, 176400, -3360000, 436800, 613760,
-1702400, -672000, 716800, 2508800, 2562, -29610,
-343980, 1449000, -75600, -302400, 129780, -798840,
-1890000, -2772000, 1360800, -12297600, 12700800,
9408000, -335160, -3099600, 4082400, 3931200, -7358400,
18748800, -4032000, -1814400, 3628800, 15288, -214200,
169344, 4888800, -3870720, 891072, 1592640, -12579840,
3306240, 4838400, 6128640, 3440640, -1469664, 725760,
22135680, 8709120, 2903040, 18869760, 3822336,
17418240, -5225472, 20127744, -32514048, 61320,
-1167600, 4334400, -1108800, -2217600, 3440640,
-14246400, -18547200, -1075200, 13977600, -9576000,

-2419200, 15724800, 8064000, -33868800, 12257280,
9676800, -72253440, -12902400, -45158400, 137520,
-2872800, 14212800, -13910400, 9475200, -55641600,
26611200, 35481600, -27820800, 79833600, -48384000,
63866880, -58060800, -96768000, 33177600, 10080,
-302400, 1814400, -1209600, 1612800, -9676800, 6451200,
-7257600, 14515200, 23224320, -38707200, -120960,
2419200, -7257600, -9676800, 19353600, 29030400,
-46448640, 1209600, -14515200, 14515200, 38707200,
-58060800, -9676800, 58060800, -77414400, 58060800,
-116121600, -232243200, 464486400], [1, 77, 2247,
30135, 193515, 515655, 604485, -390915, 392, 22120,
367920, 2538480, 5145000, 6257160, 69720, 1434720,
12322800, 10970400, 20995800, 533120, 27462400,
-21840000, 35862400, -49302400, 798, 74970, 1122660,
6129900, 10347750, -14286510, 816480, 10150560,
57304800, 67485600, -6400800, 140817600, 87847200,
221894400, 3310020, 22774500, 80684100, -133641900,
-82605600, 281080800, 446292000, -161217000,
-234322200, -12432, -68544, 1372896, 3003840, 33611760,
3217536, 37054080, -846720, 256878720, 19514880,
-299819520, -225899520, 34582464, 185431680, 346731840,
-270708480, 645200640, -615625920, 102646656,
177230592, 740783232, -933424128, -273030912, -182280,
-3403680, -8946000, -27871200, -66817800, -13440,
129158400, -191318400, 387744000, -640953600, 84117600,
628689600, -921564000, 1168876800, -673596000,
693665280, 622702080, -1529256960, 1480348800,
-1548086400, -1319040, -26974080, -87696000, 70761600,
-85075200, 26611200, 775353600, 733824000, -146361600,
1556755200, 3698956800, 554480640, 4287790080,
5094835200, 6637593600, -5952240, -109695600,
-424796400, -193460400, -401385600, -1643241600,
-840470400, -1339480800, -1926439200, -3368252160,
-4610390400, -19272960, -213696000, -361670400,
-511257600, -591897600, -974937600, -1043159040,
-63262080, -407151360, -220268160, -616412160,
-550851840, -179020800, -566092800, -416102400,

-397958400, -414892800, -609638400, -479001600], [1,
64, 1493, 14990, 64295, 83340, 16755, -8130, 288,
12760, 150560, 633200, 320960, -85800, 35400, 459200,
2193200, -1336960, -1105240, 8960, 3500800, -4392960,
3081600, 709120, 434, 35580, 350980, 962400, 143010,
-248460, 356800, 2388000, 5115520, -2489760, -3072800,
4823040, -6031520, -1131520, 1220660, 3730800, 2617020,
-2268840, -17274880, -1803360, -31363360, -13825080,
-2769840, -8272, -49408, 232224, -677760, 1014000,
1132544, 6919040, -12353280, -8396160, 2009600,
-31083520, -460800, 9867072, 18873600, -3556800,
-30743040, -20532480, 19056960, 21376896, -12036096,
-26197632, -42012672, 82738944, -97520, -1307040,
-1785600, -3073440, -416400, -579200, 20382720,
-16149120, 40683520, 22483200, 14448000, 32719680,
-14698560, 25409280, 3063360, 86338560, -93350400,
52208640, 90026880, -45469440, -561920, -7605120,
-10245120, 13203840, -20844800, 952320, -1701120,
-4259840, -40381440, 24710400, -191009280, -36771840,
-161879040, -112419840, -389145600, -1846320,
-18888000, -24057360, 5804640, -48875520, -44353920,
-9751680, -109614240, -12525120, -175368960,
-142974720, -3797760, -3732480, 61251840, 44451840,
167685120, 193190400, 329840640, -8624640, 13075200,
44432640, 74081280, 115729920, -10690560, 60503040,
79902720, 7891200, 77068800, 61286400, 87091200], [1,
55, 1070, 9158, 36413, 80451, 65760, -27948, 216, 7072,
68192, 239216, 584840, 685968, 12432, 138656, 261872,
1189376, 1413248, 896, -720128, -107520, -630144,
205696, 380, 14844, 112156, 390540, 197280, -736512,
86080, 435360, 1595872, 4730688, -806816, -1757184,
4136320, -1619968, 202652, 775380, -1358784, -2650512,
-1514656, -3279936, -436480, -2032128, -1796544, -3808,
-29824, -196320, 460992, 2116032, 221312, -612736,
3668736, 10007040, -4026880, -7490560, 3142656, 929856,
5218944, 15618816, 278016, -4171776, 3458304, -976512,
11354112, 20012544, -1204224, -15611904, -42800,
-413088, -1665936, -4980288, -3603264, 220288,

-1954560, -2425344, -4060160, -1651200, -311712,
-11214720, -1653888, -5065728, 14462976, -16304640,
21457920, 6285312, -39535104, 29919744, -202496,
-1799040, -2472576, 5376, -1518848, 4933632, 12558336,
-2379776, -1833216, 7147008, -16287744, -10893312,
33951744, -60911616, -34062336, -305808, -3227568,
-21007872, -13015872, -1981056, -40085760, 15916032,
-13137408, -16024320, -14810112, 93063168, 1289472,
14197248, -10681344, 42018816, -49434624, 27924480,
-75423744, 4490880, 19109376, -10787328, 37834752,
13584384, 12782592, 6174720, 1769472, 24956928,
-13215744, 23961600, 0], [1, 52, 893, 5486, 4295,
-32400, -76341, 16854, 228, 6796, 46136, -25816,
-292972, -275556, 14784, 123968, -346048, -603712,
-457984, 84032, -614528, -368448, -123264, 351232, 470,
16428, 69196, -157344, -1207098, 455556, 110320,
284592, -1242128, -1629072, -22976, 273792, 226240,
349568, 270980, -55104, -5724468, 2223096, 317168,
3498000, 3347840, -1148040, 1876752, -3400, -2272,
-45840, 447456, -503688, 318464, -1114240, 1309440,
-3696000, -1829632, -762112, 694272, 1609824, -2258112,
-4471776, 6609408, 8732928, 7431840, 948480, -2124288,
-6398208, -4701696, -2589696, -43280, -209280, 177120,
-1058304, 1836912, 448192, -2049408, 353856, 231424,
4473600, 2203968, -25411968, 7197504, 7713408,
-9993408, -1934592, -18813696, 6488064, -15116160,
7688448, -230720, -916032, 6631104, 3290304, -1668608,
14638080, -7039488, -4826624, 3444096, 7295616,
18327552, 14653440, 9151488, 19309056, 65138688,
-585456, -1618944, 6996528, 3146976, -5805120, 6840384,
-1645056, -9495648, 12461760, -6215040, 23936256,
-336000, 9826560, 15387264, 20527104, 3105792,
33696000, 13934592, -1387776, -3451392, -15549696,
-37132800, -67410432, -668160, -8990208, -30744576,
-2490624, -20418048, -15436800, -29030400], [1, 50,
870, 7248, 28833, 41886, 16020, -6408, 176, 4192,
46512, 221376, 180960, 82368, -48, 86016, 834192,
-204864, -242112, 121856, 2154112, -602880, 1841536,

-1364224, 420, 3744, 23436, 190440, 0, -153792, -47520,
-195840, 1976832, 177408, 136224, 7825536, 2609280,
7283712, -166068, -765720, 480816, -598752, 330624,
4195584, 9354240, 464832, -1724544, -768, -16704,
-216000, -626688, 663552, -96768, -1293696, -6165504,
-2926080, -149760, -3432960, -8116224, -964224,
-1506816, -2778624, 5308416, 7686144, -2405376,
-2616192, -4520448, -12980736, 14155776, -497664,
-16320, -133728, -436896, -2078208, -503424, 77568,
1862400, -7663104, 5452800, -2918400, -1213632,
3628800, 76032, 9050112, -2985984, -8870400, -3732480,
7114752, -8630784, 8285184, -61056, -898560, -331776,
5723136, -2089728, -4036608, 5723136, 6764544, 1465344,
-9787392, 37933056, 3483648, -40144896, -16920576,
-11943936, 271152, -2295648, -7636032, -196992,
-11275776, -26680320, -31500288, 4707072, -11819520,
62373888, 20901888, 2852352, 8137728, 16367616,
-23629824, 25952256, -45342720, 9732096, 6670080,
13188096, 11031552, -24772608, -26873856, 10340352,
18247680, -4866048, 7907328, 15814656, 0, 0], [1, 45,
620, 3288, 5303, 9271, 9780, -1668, 186, 3212, 16232,
-15064, 8630, -2332, 672, 13676, -225088, -317804,
-263272, 20416, -321648, -98640, -269984, 340256, 610,
6194, 16066, 63590, 144420, -41472, -14420, -94640,
252092, -59672, -213936, -167544, -1221360, -1649408,
-47688, -26320, 873816, -253392, -346096, -425696,
-1495040, 36192, -294144, 72, 6016, -105480, 144832,
251472, 31352, -869856, -1187544, -1178800, -903840,
1634240, 1237696, -192704, 911824, 1237536, -305584,
-3869536, 481344, -949472, -1257408, -359616, 2830976,
418176, -15140, 20432, -72556, -233928, -65184, 528048,
1387760, 711136, 402560, 2009600, -46952, 4452720,
-1213248, -4896448, 1606656, -726560, 3011520,
-5166208, 5526336, -4402176, -84616, -138080, 918824,
886896, 341792, 2061152, -784064, -1990336, -418896,
2229408, -3289344, -235392, -654336, 9608064, 7755264,
-26688, -771328, -3787392, 842688, 685504, 6104320,
4750592, -474048, -2181120, 10265088, -13550592,

967232, 3779008, -978624, 5590336, 4439936, -5185920,
-5182464, 5280, -7272384, 6104832, -2957568, 15842304,
-1793088, -11084160, -1402368, -6108672, 1376256,
-8985600, 0], [1, 41, 420, 96, -14361, -24381, -7668,
2268, 206, 3100, 4248, -122880, -7566, 12204, 4488,
51060, -282600, 528540, 366312, 95648, 57616, 814800,
645856, -598816, 690, 5274, -23094, -189090, -14148,
46224, 10044, 60192, -325476, 586152, 154080, 507960,
399600, 965568, -9432, 62640, -214920, 83376, -86400,
323136, 603648, -5184, 205632, 384, 11016, -147744,
325224, -547776, 80424, -862560, 1252152, 1788336,
481248, 1376640, -1593024, 26352, 141120, -229824,
627696, 963936, 433728, -482400, -343872, 1287360,
-1284480, -1689984, -15252, 102768, -94140, 749304,
104544, 387120, -1633872, 2728800, 4924992, -5537280,
277560, -1428624, -768960, 682560, -1969920, 883872,
8040384, 646272, 5182272, -2322432, -99864, 415584,
1733112, -3254256, -876960, -6138720, -173376,
-2198592, -401328, -3852576, 1237248, -4772736,
-2405376, -6334848, -21689856, -176256, 771840,
2128896, -309312, -2157696, -1107072, -2684160, 195264,
3103488, 2515968, -7464960, 238464, 3072384, -4805568,
1432512, -7399296, 1952640, -4008960, -1158624,
-9616320, -3435264, -16139520, -2073600, 1429056,
12362112, 26887680, 1893888, 11667456, 7879680,
16588800], [1, 42, 518, 2856, 6545, -15890, -46956,
7224, 168, 1736, 11816, 61544, -79072, -73696, -5376,
-8512, 342272, -73472, 189056, -4928, 541632, -56448,
238336, -114688, 700, 1568, -8204, -132664, -664608,
173376, -57680, -272048, 328832, -846272, -173376,
-1104768, -268800, -315392, -101220, -908824, -1173648,
761376, 146048, -5895680, -4390400, 1848000, 1771392,
1680, 10528, 85680, 16576, 17472, -43456, 463680,
1155840, 1352960, 432768, -109312, -723968, -51296,
-6272, 1540224, -673792, 2874368, -1344000, 434560,
1516032, 2591232, -1878016, -1161216, -5600, 2240,
86240, -1056384, 481152, 64512, 1995392, 130816,
675584, 89600, -564032, -795648, 1123584, -4974592,

602112, 894208, 4053504, -587776, 1344000, -2429952,
-33280, -221312, 1374464, 774144, -370048, -1792000,
-562688, 6142976, 2612736, -5612544, -10364928,
-2042880, 9934848, 4171776, 3760128, 154224, -1662304,
1353408, -814464, -1756160, -5497856, -802816,
14015232, 12633600, -12687360, -4214784, 1285760,
501760, 7709184, -6895616, 5046272, 1075200, -7569408,
-166656, -2107392, -15891456, 15052800, 5419008,
-3548160, -473088, 13246464, -6150144, -12300288, 0,
0], [1, 39, 398, 1830, 8525, 28195, 35520, -8940, 168,
800, -3040, 10640, 156920, 207920, -6240, -61840,
-167200, 233680, 170720, -17600, -211200, 492480,
-272000, -60160, 844, 2540, 11500, 9500, 136320,
-178560, -40640, -212000, -744160, 1314880, 196800,
-1141920, 1623360, 204160, -5460, -384700, -1882560,
271920, 849440, 258880, 1607680, 474240, 793920, 2208,
7552, 84384, 210880, 171840, -37696, 9600, -1358400,
26240, 791040, -1427200, 901120, 317632, 296320,
-4976640, 1804160, -1135360, -710400, 716416, -256896,
-2387712, -1341952, 2433024, -3440, 23360, -77200,
61920, -1017600, 126720, 823040, 3468160, -1855360,
-3155200, -284000, -258240, 3482880, 4693760, -3540480,
2360320, -5706240, 2293760, 2184960, -1466880, -33280,
27520, -231040, 622080, 531200, -789760, 2536960,
-1185280, -103680, -3225600, 2519040, 1205760,
-4746240, 2872320, 0, 66000, -566800, -3400320,
-2243520, 2200960, 2824960, 2263040, 3121920, 7023360,
-5544960, -5744640, 588800, 3619840, -2142720,
-4421120, -14402560, -76800, 16834560, -2622720,
9373440, 5429760, 1367040, -13547520, -6635520,
8724480, -2088960, -5376000, 5376000, 0, 0], [1, 36,
260, -114, -3661, -10106, -8148, 2328, 186, 890, -4522,
-18250, -27136, -52696, -2892, -11200, 12620, -87440,
-20848, -16952, -33504, -174240, -170624, 107264, 880,
524, -2744, -36580, 9312, 41904, -24536, 63472, 498944,
-139808, -55320, 119520, 3360, 220288, -6972, 9320,
759120, -197664, 137600, 1451776, 1475968, -204864,
-567168, 2304, -2264, 9216, 27904, -136896, -23296,

218640, 151872, -38464, 121728, -344320, 249856,
155272, 737440, 520416, 361856, 1112576, -1552512,
251200, -122112, 395520, -962560, 470016, -3152, 26768,
-210040, 864, 290784, 21960, 124448, -692000, -1560448,
984320, -679760, -237504, -1289280, 1781120, 687360,
387712, -1648896, 253952, -2012928, 1970688, -36664,
187864, 220352, -405216, -137440, -1181440, -1122176,
-735232, -557568, 284544, 2247168, 459264, 589824,
-3652608, -3649536, 24864, -535600, 862656, 739008,
1126144, 1005568, -256000, -976896, -4330752, -3766272,
5498880, 511904, -609536, 554112, -324608, 349184,
-3509760, 2088960, -1403904, -3482880, -413184,
3532800, 0, 1184256, 2107392, -9461760, 5296128,
1652736, 7188480, 0], [1, 31, 50, -2374, -9511, 6519,
41472, -6012, 216, 880, -7792, -22720, 149144, 22704,
2928, 49040, 77840, 220880, -128608, 16448, 203776,
-271680, 199296, -25856, 920, -4776, -44144, -120720,
466272, -113616, -416, 200352, -220736, -797568,
-266720, 130080, -82880, -337792, -28612, -55500,
-239040, 152496, -277600, -1896384, -2394112, 406656,
378432, 2624, -17344, -61824, 129984, 91584, 46784,
400640, -172608, -392064, -78592, -359680, -344064,
14592, -128640, -1810944, -96384, -1699584, 315648,
110400, -548352, -472320, -61440, 1161216, -1952,
36768, -467040, 1173024, -490176, 16000, -172032,
-2947200, 906112, 1009920, -578880, -1416384, 2678400,
-4965120, 1520640, 375552, -1022976, 3244032, -3587328,
465408, -40064, 524544, -907008, -43776, -993920,
2000640, 3277824, 3132928, 2088192, 5566464, -2445312,
2225664, -562176, 3474432, 13123584, -47616, 543360,
-365184, -387072, -1526016, 158208, -1059840, 2559744,
580608, -2138112, 3870720, 207744, -550656, -3230208,
924672, 3262464, 1059840, 1658880, -1176384, -1578240,
5412096, 1413120, 2073600, 4179456, 13980672, 2764800,
-5548032, -19574784, -8478720, -16588800], [1, 32, 132,
-270, 6075, 13950, 9900, -1800, 182, -530, -14310,
11970, -36000, -1800, -4980, -60720, -103500, -241200,
-320400, 23000, 354400, 314400, 400000, -275200, 1068,

-540, 39780, 121500, 54000, -32400, -14040, 38880,
-662400, -151200, 469800, 108000, -1404000, 508800,
109620, 275400, -442800, 21600, -144000, 691200,
-1756800, -648000, -86400, 3048, -24984, 106056, 61920,
410400, -103104, -475920, -699840, -688320, 1342080,
3697920, -1536000, 403704, -128160, 1948320, -4440960,
1221120, 2609280, -568224, 1613952, 2512512, -764928,
-2115072, 2160, -25920, 81000, -79200, -93600, -82440,
-640800, -108000, 662400, -288000, 284400, -1252800,
734400, -1699200, 518400, -1272960, 933120, 1290240,
-1094400, 576000, -16200, 111240, -273600, 712800,
122400, -691200, -1929600, 1843200, -345600, 604800,
-1728000, 345600, 3317760, -2073600, 0, 42480, -471600,
-604800, 216000, 1900800, 4608000, -3686400, -3974400,
-1900800, -276480, 4147200, 270720, 1008000, -1900800,
-7718400, 5990400, 11750400, -9400320, -2246400,
6739200, 2419200, -6912000, 0, 2073600, -15897600,
13824000, 9676800, -9676800, 0, 0], [1, 28, -28, -1834,
707, -6090, -18900, 2520, 210, -350, -11074, 44366,
-38080, 14280, 420, -1792, 112700, 161840, 286160,
-12376, -72800, 23520, -120960, 44800, 1064, -6468,
8512, 33180, -201600, 45360, 3304, 177744, 152320,
426720, -78680, -621600, 558880, -219520, 50372,
111720, 35280, -30240, -31360, -618240, -353920,
-383040, 120960, 3248, -43288, 72240, -348096, -266112,
-30016, -244720, 485184, 606144, -407680, -1646848,
516096, 83496, -1297632, -54432, -787584, -2978304,
2233728, -827904, -645120, -2483712, 3311616, 0, 3472,
-38640, 195720, -231840, 131040, 65128, 420000, 950880,
-76160, -618240, 327600, 705600, -1028160, 1491840,
-725760, 56448, 725760, -1548288, 2177280, -806400,
-16088, 200760, -329280, -252000, -381920, 618240,
1841280, 501760, 698880, 1975680, -1021440, 96768,
-2580480, 2257920, 3502080, 17472, -354480, 1592640,
-302400, 1155840, -5376000, 1935360, -3709440, 2661120,
8644608, -5806080, 238560, -1451520, 1169280, 860160,
-2257920, 2096640, 0, -1344000, 2983680, -3386880,
2795520, 0, 4677120, -2580480, 0, -5160960, 13547520,

-16773120, 0], [1, 22, -238, -2860, 7805, 18750, 8100,
-1800, 252, -380, -9700, 84740, -54400, -8400, 9120,
42560, -78400, -260800, -332800, 33440, -329600,
-297600, -115200, 179200, 1028, -17520, -23660, 99600,
-28800, -21600, 25000, -6360, -948800, -463200,
-334400, 1430400, 179200, 89600, -82180, -393000,
-738000, 280800, 608000, 528000, 2624000, 619200,
259200, 3848, -65584, 263256, -78240, 565920, 168896,
-137920, 624000, -637440, -785920, 803840, 245760,
-248496, -310080, 682560, 3667200, 7196160, -2545920,
53376, 2022912, 3820032, -2715648, -2322432, 5680,
-97440, 481200, 14400, -158400, 360160, -643200,
-700800, 755200, 998400, -496800, 1699200, 1123200,
3571200, -2419200, 2373120, 4285440, -5160960, 2073600,
-3225600, -13280, 247200, -1449600, 1065600, -924800,
3763200, -4339200, -5120000, 1632000, -11520000,
1536000, -8017920, 1843200, -921600, -14745600, -11760,
228000, -619200, -86400, -883200, 1305600, 460800,
2476800, 1036800, -3133440, -2764800, 116160, -1324800,
979200, 3302400, 1382400, -3916800, -3317760, -912000,
4953600, 1036800, -5222400, -4147200, 5299200,
-7833600, -5529600, -19814400, -8294400, 31334400,
33177600], [1, 14, -462, -2100, 30765, 3150, -107100,
12600, 308, -980, -11340, 118860, -571200, 176400,
21840, 13440, -882000, 268800, 840000, 281120, -560000,
3158400, 1523200, -1254400, 924, -35280, 26460, 730800,
-756000, 151200, 42840, -844200, -907200, 5090400,
-151200, 4032000, -4233600, -1881600, -361620, -37800,
7484400, -1965600, -1612800, -3024000, -6451200,
907200, -1814400, 5208, -91728, 963144, -856800,
-1239840, 612864, -1854720, -1330560, 887040, 4354560,
322560, -1720320, -535248, 8527680, -3447360, 725760,
-21772800, -9434880, 4185216, -2612736, -9580032,
-10063872, 16257024, 8400, -315840, 1537200, -4737600,
1108800, 749280, -14044800, 13507200, 6182400,
-6988800, -5796000, 13910400, -7862400, -37900800,
16934400, 4032000, -45480960, 36126720, -27417600,
22579200, 1440, 30240, 604800, 604800, 403200, 2419200,

4838400, 6451200, 1209600, 14515200, 9676800, 11612160,
11612160, 19353600, 33177600, -5040, 151200, -907200,
604800, -806400, 4838400, -3225600, 3628800, -7257600,
-11612160, 19353600, 60480, -1209600, 3628800, 4838400,
-9676800, -14515200, 23224320, -604800, 7257600,
-7257600, -19353600, 29030400, 4838400, -29030400,
38707200, -29030400, 58060800, 116121600, -232243200],
[1, 52, 1001, 8294, 34463, 61776, 90519, 91806, 156,
6292, 53768, 252824, 350636, -101244, 17160, 64064,
661232, 1409408, -1195480, -320320, 237952, 5079360,
164736, 1830400, -286, 8580, 61204, 137280, 1541826,
1975116, 162448, 363792, -496496, 2532816, -2521376,
-11311872, 4507360, -2873728, 477620, 960960, 6491628,
10498488, -5200624, -24415248, 8424416, 5343624,
-10028304, -8008, -86944, -116688, -1468896, -3339336,
256256, 3496064, -439296, -14112384, 3990272, 9481472,
-7028736, 2072928, 4145856, 6383520, -6150144,
-15265536, 10666656, 3239808, 1317888, -11696256,
4173312, 5601024, -50336, -755040, -1606176, 3198624,
3514368, -1821248, 2800512, 30448704, 4466176,
21854976, -4310592, 22486464, 51836928, -9829248,
-20207616, -6040320, 71056128, -38218752, -5985408,
64905984, -118976, -1949376, -12712128, -18313152,
-5527808, -49201152, -16363776, -9591296, -24984960,
-79567488, 81489408, -79073280, 19768320, -80610816,
138378240, 116688, 4173312, 3232944, -12149280,
20784192, -8044608, -27510912, 45014112, -81461952,
11037312, -166053888, 604032, 8236800, -164736,
29872128, -1317888, 44478720, 23721984, 2745600,
10213632, -9225216, 19987968, 2635776, 8925696,
3534336, 718848, 18120960, -9884160, 17740800, 0], [1,
49, 833, 4865, 5495, -43785, 3255, -42105, 168, 6160,
34160, 39200, -574840, -58800, 18900, 30800, 329000,
-1988560, 851060, -226240, 1321600, -893760, 0,
-1057280, -196, 12180, 38080, -193200, 568260, -887460,
179200, -117600, -1863680, -1985760, -1677200, 467040,
-659120, -2907520, 527660, -1119300, 3713220, -4480140,
-3011680, 6397440, 3790640, 5836320, 5513760, -7672,

-44128, 211344, -1548960, 659400, 339584, 2119040,
-11518080, 8883840, 4390400, 9390080, 3494400, 2708832,
-10113600, -9324000, -1021440, 12472320, 2792160,
4917696, -26603136, 12172608, 27729408, -23377536,
-52220, -509040, 1499400, 4446960, -1585500, -1467200,
7835520, -6659520, -1057280, -16128000, -1150800,
14726880, -21246960, -25710720, 8949360, 6504960,
-23654400, 5322240, 6074880, -19837440, -158720,
-1384320, -107520, 4045440, -5264000, -6478080,
8292480, -9443840, -15671040, 0, 8574720, -36771840,
30965760, -38115840, 30758400, -183120, 2780400,
16788240, 4389840, 12324480, 48814080, 15664320,
46488960, 42295680, 107936640, 115577280, -658560,
-564480, -7781760, -12687360, -41287680, -49593600,
-93864960, -719040, 1411200, -6672960, -15429120,
-30199680, -322560, -5160960, -20321280, -1612800,
-14515200, -11289600, -21772800], [1, 45, 770, 6138,
24453, 37521, -17820, -13068, 86, 3212, 33132, 164736,
313830, -204732, 6072, 68376, 417912, 1435896, -171072,
16016, 176352, 2461360, -401984, 1593856, -440, -4356,
-11484, -33660, -219780, -230472, 25080, 300960,
-38808, -1081872, 614064, -64944, -1172160, -2984608,
38412, 873180, -912384, -1762992, 2365704, 2979504,
-7539840, -1325808, 3221856, -4928, -80784, -308880,
-201168, -898128, -140448, 342144, 2746656, -792000,
2861760, 8648640, 4522496, -484704, 3621024, -4904064,
14769216, 10606464, -6785856, -1121472, 4732992,
-1938816, 13723776, -4333824, -15840, -359568,
-1717056, 289872, 513216, -1232352, -7223040, -1181664,
-1679040, 3168000, -3053952, -2328480, -13419648,
21586752, 608256, -5448960, -9694080, 35937792,
4599936, -31781376, 41184, -190080, -3982176, -247104,
-2078208, -21022848, -8705664, -16638336, -5455296,
2395008, -16498944, -6158592, -3649536, 43870464,
19160064, 464112, 3378672, 3820608, 8762688, 1276704,
-11119680, -9681408, -10093248, 26801280, -44934912,
-4257792, 1343232, 6196608, 6754176, 481536, -5220864,
-5195520, -21694464, 3041280, 7641216, 9580032,

-3725568, 5474304, 4845312, 7050240, -5280768, 4105728,
8211456, 0, 0], [1, 40, 545, 2678, 5423, 4356, 15,
-1578, 96, 2632, 7952, 8096, 4400, -32232, 6192,
-24064, -71968, 25856, -52432, -109024, -281408,
-448800, 55296, -558464, -250, 2244, -404, -11760,
27990, -26052, 48880, -50640, -214448, -98352, -411296,
-873024, -744800, 1623872, 90692, 40080, 101916,
-197832, -51616, 9024, 980480, 560952, 460656, -4288,
-28864, -3360, -8448, -88608, 37472, 466784, 1432416,
58080, -142720, -1663360, -816384, -7584, 233664,
364896, -2270784, -378816, -870336, -380352, 2696832,
-1336896, -6215424, 2687616, -18560, -148608, -88416,
226752, 73056, -291872, 160320, 934176, -337280,
-2505600, -1116672, -293760, -1547328, -172608,
-328704, -2670720, 3803520, -5453568, -937344,
-3131136, -10976, 2400, -823776, -301344, 747712,
1494912, 1686336, 6467584, 1078464, 1487808, -1513344,
5280768, -5861376, 14843904, -12289536, 121872,
1411392, 456048, 1011168, 4147584, 1916160, 2460672,
4086432, 3804480, 223488, 3068928, 74112, -1504512,
-1332864, -3611904, 8361216, -4907520, 13464576, 84480,
-4529664, 237312, -6160128, -3419136, -592128,
-4435200, 870912, -3209472, 953856, -5068800, 0], [1,
36, 365, -114, -10521, -26976, 4347, 3798, 116, 2780,
-1512, -53880, -109596, 123564, 8448, -20160, 39360,
50880, 28992, -6592, 379776, 337600, -251264, 600064,
-170, 5004, -16884, -108960, 28422, 50724, 59184,
-290448, -136656, 724272, 283200, 1883520, 745920,
-541312, 120708, -823680, 123660, 335736, 1249200,
1092816, -2224512, -125064, -1654128, -4136, -864,
135216, -141216, 416664, 48384, -293760, -580608,
-511104, 699648, 587520, 106496, 287712, -3349440,
2072736, 3511296, -3412224, -4089312, 172800, -1009152,
933120, 3248640, 1437696, -21072, -24192, 939360,
-251136, -251856, -402240, 18048, -2366400, -3007488,
3690240, -292800, 683136, 2917440, 3492480, 1258560,
-853248, 2813184, 2906112, -1058688, 4094208, -39744,
160704, 1582272, 149184, -230400, 1658880, -1207296,

-1469952, 1256832, 5526144, -3935232, 4921344,
-1022976, 7690752, -7520256, -17136, 817920, -1074384,
-2295072, 241344, -9784512, -4216320, -906336,
-12508992, -11601792, -25009920, -199296, -1702656,
-4606848, -7815168, -2589696, -10955520, -2211840,
182016, 2833920, 4237056, 9930240, 22740480, 216576,
2806272, 9031680, 753408, 5792256, 4285440, 9676800],
[1, 42, 686, 5544, 19593, 30366, 97524, 65016, 56,
2072, 32088, 111384, -98784, 203616, 1680, 122304,
408912, -1253952, -181440, 250880, 810432, -3301760,
386176, -922880, -476, -10080, -25956, 123480, 1040256,
1040256, -32592, 301392, 975744, 3237696, 1946784,
2112768, -3669120, -114688, -89460, 612360, 3166128,
5812128, 5959296, 12483072, -451584, 5552064, 13136256,
-3248, -78624, -474768, -1544256, -1342656, -263424,
-1282176, -5757696, 516096, 1852032, -15821568,
1885184, -780192, -3556224, -2540160, 9870336,
-24385536, 22934016, -266112, -3773952, 11902464,
-18966528, -1161216, -2016, -191520, -455616, 169344,
-870912, -1084608, -2636928, 9321984, 1080576,
-3515904, -1395072, -15918336, 2515968, 15547392,
44319744, 5402880, -9580032, -32643072, 1354752,
-10838016, 80064, -133056, -822528, -6918912, -4048128,
-2806272, 8515584, -9225216, -6289920, -38320128,
-41029632, 26127360, 40642560, 14321664, 9953280,
545328, 2594592, 8455104, -11491200, -8644608,
34255872, 31223808, -31788288, -47319552, 8128512,
-5419008, 1395072, 5806080, 5451264, -8773632,
22966272, -38062080, 7225344, 2419200, 11031552,
-6967296, 5419008, -27869184, 2128896, 12773376,
17031168, 0, 0, 0, 0], [1, 35, 420, 2268, 3843, -5859,
0, -4788, 56, 952, 9072, 19656, -98280, -29232, -588,
20496, 101052, -212184, 76608, 31136, 216832, -87360,
33376, 41216, -210, -3906, -18774, 1890, 95760, -67032,
-15120, -30240, -338688, -104832, 81144, -290304,
272160, -627648, -41328, 186480, -199584, -336672,
-143136, -133056, 0, -1245888, -1782144, -1848, -18144,
-68040, -192528, -36288, -26208, 28224, -683424,

423360, 403200, -423360, 126336, -234864, 239904,
-774144, -48384, 290304, -1967616, -356832, 84672,
532224, -1338624, 838656, -3780, -43848, 223524,
961632, 87696, -74592, 161280, 1161216, 211680, 302400,
593208, 272160, 1687392, 104832, -4846464, 846720,
-766080, -2435328, -1036224, 4927104, 29664, -141120,
-324576, 52416, -499968, 84672, -411264, -1725696,
1641024, 3201408, 2451456, 4652928, 854784, -4870656,
-2497536, 205632, 568512, 1548288, 56448, -798336,
4435200, 1757952, -1346688, 2983680, -870912, -1354752,
124992, -911232, -2306304, 838656, -5128704, 7418880,
1161216, -292320, -1782144, -1991808, 2483712, 5773824,
-1306368, -2903040, -580608, -1596672, -3193344, 0, 0],
[1, 32, 321, 1494, 5823, 24156, 30879, 23526, 56, 352,
-2592, -7056, 64296, 32976, -1200, -27456, -98208,
122688, 32400, -29920, -135488, 253920, -51584, 7040,
-66, -540, -10116, 49680, 124686, 263196, -432, -73008,
-84816, -305424, -154656, -67392, 410400, 351552,
-11340, 131760, 285228, 231768, -192384, -1250208,
9216, -244296, -815184, -1488, -2304, -70848, -282816,
-342576, 48096, 41184, 225504, -222624, -206208,
1060992, -36096, -114912, -448704, 1222560, 167616,
2297664, -100224, -90432, -1579392, 1387584, 2380032,
-1558656, -4896, 14400, 61344, -423936, 33408, 241632,
724032, -1511136, -273024, -537984, 517248, -1143936,
-499392, -1493568, 203904, 1630080, -6590592, 5015808,
986112, -3004416, 9504, 864, -642528, -1488672, 418752,
1703808, -248256, 1649664, 803520, 810432, 908928,
2764800, 1382400, -1299456, -3386880, 78768, 747072,
1091664, -1991520, 110592, -3109248, -2863872, -230688,
-2348352, -857088, 9372672, -309888, -80640, 5768064,
-1089792, -154368, 3525120, -7658496, -1036800,
-131328, 1741824, -2218752, 1645056, -1845504, 3407616,
-1562112, -1935360, 1935360, 0, 0], [1, 29, 204, -72,
-3465, -1881, -9324, -6660, 74, 652, -2520, -22968,
-15642, -24444, 384, -7476, -32544, 9972, 22104, -6592,
4240, 43824, -28832, 35360, -30, 594, -2142, 80838,
-35964, -63936, 2988, -26352, 148860, -160920, -30960,

233928, 136080, 81408, -7560, 197424, -10152, 114480,
29520, -97632, 73728, 287712, 870912, -1560, 3168,
-20520, 34848, 94608, 20664, -61920, 195048, 150480,
5472, 236736, -91968, -141696, 185616, -781920,
-259632, -164448, 1359936, -119520, 599616, -361152,
14976, -328320, -6372, 27216, 208980, 19512, -45216,
55728, 183024, -597024, -300672, 244224, 134424,
119664, 167616, -379584, 1327104, 686304, -198720,
1021824, 251712, 949248, 1080, -63072, -331416, 662256,
-6624, 201312, 30528, 187200, -818640, -1943136,
-241920, -763776, 525312, -3881088, 3220992, 68544,
108288, -514944, 368064, 305856, -1006848, -910080,
-1238976, -497664, -2336256, -1188864, -130752,
-1472832, 219456, -771264, -775296, 1213056, 691200,
123552, 862272, -1181952, 1527552, -4838400, 478656,
2927232, 870912, 1479168, -110592, 2737152, 0], [1, 24,
29, -1842, -7425, 12084, 1971, 7470, 104, 992, -4320,
-19248, 124728, 53616, 3264, 14544, 50736, 182352,
-131856, 46688, 173760, -437216, 59968, -60800, 10,
684, -24012, 33168, -161334, 61524, 8208, -118512,
74160, 345840, 162240, -572832, -493920, -492352, 3420,
-64656, -264492, -270360, -135360, -34272, 358848,
-324648, -785808, -1520, 14688, -30240, 134688, -26352,
864, -324000, 602208, -521760, 753792, -2070144,
503552, -25056, -123264, 989280, -965952, 919872,
-1240704, -17280, 919296, -93312, -324864, 483840,
-8112, 84816, 139440, -882288, 104544, -157152,
-482496, 979296, 221568, 63744, 433824, 948384,
-837504, 826176, -1656576, 265344, -1918080, -2363136,
384192, -1832832, -12960, 92448, -160416, -392544,
-529344, -1012608, 335808, -1013760, -227520, 627264,
1100160, -2128896, 179712, -3299328, 3220992, 19584,
223488, -808704, 209664, 446976, 2437632, 3093120,
2398464, 3338496, 4748544, 10434816, -133632, -824832,
1334016, -1338624, 3665664, 366336, 691200, 461952,
3808512, 1323648, 6342912, 864000, -578304, -4969728,
-10556928, -749952, -4430592, -2930688, -6912000], [1,
29, 258, 1530, 4725, 945, -16380, -11340, 38, -500,

1260, 30240, 81270, -66780, -4440, -9240, 88200,
551880, -110880, 14000, -72800, 472080, 11200, 304640,
24, -3060, -31500, -132300, -54180, -108360, -17640,
-151200, -536760, 488880, 75600, -619920, -181440,
-399840, -13860, -220500, -120960, -186480, 320040,
1799280, 967680, 559440, 1098720, -192, 9072, 33264,
-115920, -196560, 58464, 201600, 151200, -423360,
-423360, -907200, -1236480, 135072, -614880, 1330560,
-1995840, -1330560, 1713600, 254016, -737856, 459648,
-911232, -112896, -1440, -5040, 100800, 267120, 201600,
90720, -322560, -635040, 786240, 2419200, 705600,
-332640, -2056320, -2802240, 3467520, 241920, 524160,
-3709440, 120960, 645120, 18720, -74880, -318240, 2880,
57600, -984960, -2298240, 270720, 1811520, 5155200,
887040, -944640, 1128960, -2407680, -1152000, 75600,
680400, 60480, 2278080, -635040, -3407040, -1128960,
-2076480, -4314240, 6531840, 1935360, -403200, 1491840,
-2459520, 4193280, 2903040, -7660800, 1935360,
-1249920, 1491840, 322560, 4919040, -5483520, -1451520,
-1451520, 2903040, 0, 0, 0, 0], [1, 26, 150, 216,
-3231, -16146, 8532, 5688, 56, -200, 2808, 5400,
-76896, 93024, -3072, 10560, 80640, -149760, -21888,
-832, -65984, -147840, 46336, -126976, 60, -2016,
-9324, -31320, 22752, 45504, -14256, -8208, -38016,
176832, -2880, -466560, 0, -79872, -17892, -2520,
71280, 97056, 28800, 193536, 373248, 29376, 35712,
-336, 7776, 53136, 28224, 264384, 28224, 325440,
490752, -255744, -70272, 1002240, 592896, 16992,
213120, 625536, -774144, -82944, 465408, 86400, 649728,
-898560, 1198080, -129024, -2592, -15552, 128160,
-210816, -210816, -63360, -554112, -518400, 628992,
-1175040, 141120, -912384, -103680, -368640, 645120,
-822528, 751104, 2783232, 548352, -2092032, 14976,
-170496, 329472, -308736, -40320, -138240, 1257984,
-433152, 778752, -9216, 350208, -3326976, -2635776,
2414592, 958464, 85104, -159840, 444096, -842112,
-331776, 1317888, -184320, -804096, -1792512, -1492992,
552960, -153216, -700416, -2216448, 1861632, 221184,

645120, 0, 43776, 460800, 3603456, -3502080, -1290240,
746496, -165888, -3317760, 1824768, 3649536, 0, 0], [1,
23, 78, 198, 1773, 5715, -1440, -1260, 56, -800, -3456,
-5328, 13320, -30960, -3360, -9744, -36000, -2160,
4320, 14144, -58880, -242880, 14080, -102400, 204, 108,
5004, 9180, 4320, -8640, -2592, 864, -14400, -34560,
120960, 531360, -302400, 266880, 13932, -22140, -86400,
-41040, 102240, 43200, -599040, -207360, -285120, -192,
7200, 1728, 8352, -79488, 29952, 109440, 124416,
211968, -247680, -400896, 316416, 22464, -108288,
89856, 784512, -2304, -628992, 170496, -511488,
-193536, 548352, 110592, -2736, 5760, -41040, 128160,
74880, 2304, -155520, 466560, -34560, -230400, -223200,
146880, 345600, 840960, -760320, -284544, 1486080,
-451584, -195840, 852480, 6912, -69120, -213120,
-34560, 126720, 449280, 506880, -23040, -362880,
-449280, -967680, -1527552, -69120, -138240, 1382400,
32976, 215280, -138240, 95040, -864000, -645120,
875520, 311040, 1140480, 1465344, -2488320, -282240,
420480, 449280, -288000, 1221120, -414720, -1105920,
103680, -587520, -1451520, -1658880, 3594240, 1244160,
-967680, -276480, 1382400, -1382400, 0, 0], [1, 19,
-46, -862, -2335, -501, 216, 900, 84, -368, 680, 3272,
7748, 15576, -1056, 12464, 32816, -19168, 1184, -17632,
-41120, 253344, -11232, 82240, 200, -1176, 2968, 19248,
-22104, 5184, -872, 42528, 108760, -20400, -43760,
-8592, 155680, 29888, 3500, 35364, 6768, -10800,
-37840, -249312, -101632, -69408, -44928, -280, 4808,
-30360, -4872, 25488, 5264, 5120, -557232, -103200,
-117088, 109376, -476928, -26016, -30144, -414720,
83328, -158208, 118656, 123360, -352224, 548928,
-731904, 0, -3152, 22416, -51600, -119088, -19296,
-86432, -273216, 172416, 71008, 291264, -122976,
283104, 29376, 510336, -435456, -203616, 77760,
-1264896, -217728, -640512, 4000, -44832, 276384,
118656, 204736, -40128, -602112, 52480, 12000, -351936,
119040, 1128384, 726912, 2092032, -1847808, 33024,
-160512, 71136, -63936, 273696, 203712, -103680, 2304,

1126656, 1926144, 746496, -148512, -97632, 230976,
734016, -706176, 354816, 0, 485952, 1210752, 200448,
-1206528, 0, -382464, -569088, 3359232, -1884672,
-801792, -2838528, 0], [1, 13, -202, -1402, 1793,
23205, -4860, -3420, 126, -20, 2324, 3632, 47750,
-110460, 3000, 27656, -37000, -305080, 100640, -18256,
129760, -109680, 5760, -103040, 164, -4992, -16136,
8880, 21420, -5400, 1168, -30336, -336800, 42240,
-58640, -399120, 640, -263200, -19108, -69540, -12240,
105840, 84200, 530160, 705920, 236880, 349920, -112,
8000, -37632, 265632, -254448, 11072, 152960, -461184,
547968, 357440, 1039424, 669696, 17184, -48288,
1169856, -982848, 322176, 704448, 105216, -24768,
-752256, 1846272, -580608, -3536, 57360, -261840,
150480, 126720, -210656, 632640, 962400, -131840,
-827520, 324000, -154080, -432000, -1344960, 1105920,
-1010304, -17280, 2359296, -103680, 1854720, -2048,
78720, -32640, 28800, -78080, 1171200, -105600, -91520,
1113600, 506880, -19200, 494208, -1163520, 2707200,
-2304000, 11136, -165120, -593280, 120960, 49920,
-595200, -1025280, -1618560, -3732480, -4502016,
-7534080, -99840, 264960, 1549440, -447360, -1555200,
-495360, -829440, 565440, 754560, -2592000, -660480,
-1036800, -2010240, -6693120, -1382400, 2684160,
9331200, 3962880, 8294400], [1, 18, -22, 528, 6453,
14790, 42660, 28440, 56, -1720, -6456, -27048, -62880,
83040, -3720, -9984, -59400, -219360, 316320, 99104,
501120, 315520, -43520, 486400, 424, 1728, 33984,
-34320, -56880, 113760, 7968, -43776, -662400,
-2002560, 174960, 1085760, 1368000, -1592320, 70812,
-6840, 10800, -1571040, -869760, 1094400, 1186560,
1045440, 2090880, -32, -4320, 31968, 223872, 162432,
-27168, 12960, 642816, -477312, -69120, -608256,
-876544, -42336, 772992, 418176, -1755648, -2456064,
649728, -195264, 1734912, -850176, -2377728, 1078272,
-1536, -720, -96240, 92160, 319680, -23136, -59520,
-205440, -130560, 1459200, -362400, 823680, -1180800,
-99840, 1082880, -582144, 2626560, -2924544, -368640,

737280, 5472, -47520, -11520, -869760, 112320, 1486080,
1255680, -2672640, -506880, 1451520, 1336320, -525312,
-2488320, 1474560, 0, 9216, 218880, 725760, -1820160,
-1728000, -875520, 184320, 2557440, 5114880, -1437696,
-2949120, -253440, 161280, 5114880, 1152000, -9492480,
-6635520, 9953280, 737280, -8017920, 5806080, 13086720,
-11612160, 2396160, -7188480, 4792320, 0, 0, 0, 0], [1,
15, -106, -66, 2709, -6909, -9072, -7308, 80, -1312,
-336, 2688, -14784, -31584, -1920, -336, 6048, 80304,
-35616, 29120, 69888, -119168, 24640, 9856, 388, -540,
29988, -25788, 73584, -20160, 8400, -10080, -67536,
374304, 18144, -298368, 177408, -394240, 49644, -72828,
284256, 533232, -584640, -758016, 612864, 350784,
-350784, -80, -9072, -15120, -20496, -30240, -32928,
-120960, 284256, 81984, 157248, -120960, 283136,
-84672, 4032, 24192, 435456, 516096, -387072, -181440,
350784, -72576, 96768, 0, -1104, 18144, -46704, 4032,
-157248, 13440, -25536, -752640, 267456, -163968,
43680, -185472, -137088, -569856, 322560, 388416,
-1475712, 1107456, 80640, -1225728, 4608, -46656,
147456, 208512, 235008, 248832, -499968, -350208,
-277056, -570240, 935424, 1579392, 145152, 1059840,
-1410048, 13104, 47376, -399168, 431424, -713664,
1298304, -161280, 2370816, -2370816, -3096576, 2580480,
-189504, 802368, -1137024, 56448, 467712, 0, 0, 612864,
-1838592, -870912, 2096640, 0, -354816, 4548096,
-4193280, -3483648, 3483648, 0, 0], [1, 10, -226, -376,
3209, -8034, 7668, 5112, 120, -872, 5144, 13208, -1504,
57696, 1680, 5984, -14992, 52544, -49216, -35200,
-115712, -43008, 0, -118784, 308, -5280, 20428, -88968,
-40896, 0, 8560, -17520, 102784, -125376, -26336,
-152448, -509312, 465920, 6524, -97368, -138384,
-481248, 279680, 881664, -357376, 10944, 349056, 80,
-9952, 3120, -54336, 60480, -13888, -101440, 258816,
-128256, -28672, 51200, 147456, -98592, 16512, -425088,
923136, 546816, -410112, -122880, 267264, 129024,
-172032, 0, -704, 40704, 10176, 133632, 133632, 14080,
674304, 583680, -118784, -12288, 472320, 327168,

387072, -1622016, 414720, 516096, -663552, 884736, 0,
2138112, 1408, -62976, 166656, -327168, 47488,
-1724928, 655872, 888832, -877056, 1612800, -731136,
387072, -258048, -4792320, 2506752, 13584, -180384,
182592, -245376, 278016, -592896, -276480, -578304,
152064, -1806336, -1658880, -107904, 649728, -520704,
-356352, 1032192, -1013760, 0, 605184, -1308672,
1548288, -1351680, 0, -2082816, 1069056, 0, 2138112,
-6193152, 8110080, 0], [1, 3, -352, 408, 10503, -8895,
-2160, -5220, 176, -760, 5424, -19608, -69600, -58560,
7980, -13224, -179100, 52320, 103440, -10336, 260160,
152320, -103040, 252160, 154, -13302, 34974, -37770,
162720, 12600, 5088, -189216, 320400, 11040, 129960,
737280, 851040, 89600, -81648, 124560, -95040, 663840,
684000, -584640, -938880, -803520, -1054080, 808,
-1440, 141048, 13872, 24192, 88032, -144000, 275616,
-86592, -80640, -285696, -999424, 15984, 826272,
1437696, -1954368, -3740544, -6912, 336096, 162432,
-798336, -1548288, 1354752, -1236, 23400, -283740,
164880, -308880, -133536, 834240, -3072000, -935040,
487680, 335400, -3307680, -655200, 4592640, -996480,
-1231104, 1658880, -2125824, 1854720, -4538880, -1728,
-17280, -282240, -28800, -262080, -432000, 403200,
-645120, -374400, -1451520, 806400, -3290112, 967680,
-921600, 2764800, 9216, -54720, 803520, 351360, 904320,
1670400, 1336320, 397440, 3006720, 7547904, 11243520,
-66240, 754560, -552960, -1877760, -806400, 2211840,
1935360, 519840, -2816640, -604800, 2949120, 2419200,
-3018240, 4423680, 3225600, 11266560, 4838400,
-17694720, -19353600], [1, -6, -442, 3000, 16065,
-80850, 18900, 12600, 248, -1480, -840, -84840, 16800,
386400, 18240, -104160, -252000, 1948800, -672000,
230720, 672000, -2105600, 179200, -358400, -116,
-24480, 165060, 121800, -252000, -100800, -11760,
-680400, 2620800, -2049600, 100800, -4032000, -1209600,
-2329600, -260820, 2104200, -75600, -1461600, -2620800,
-4032000, 5644800, 907200, 4233600, 2608, 14112,
365904, -1982400, 423360, 384384, -1854720, 1693440,

-53760, 3548160, -4515840, 4014080, 356832, 2378880,
-12216960, -10160640, 20966400, 11128320, 2370816,
-13741056, 6386688, 17031168, -10838016, -4800,
-131040, -520800, 806400, 604800, -678720, -2284800,
7123200, -537600, 1075200, -2856000, 2822400, 5241600,
3763200, -3225600, -6988800, 17418240, -6881280,
-3225600, 6451200, 8640, 267840, 1324800, 748800,
1267200, 7603200, -3225600, 1843200, 6105600, 4147200,
-6451200, 14376960, -7741440, 23961600, -22118400,
-5040, -352800, -907200, -1411200, -806400, -11289600,
-3225600, -8467200, -7257600, -11612160, -45158400,
-40320, 806400, -2419200, -3225600, 6451200, 9676800,
-15482880, 403200, -4838400, 4838400, 12902400,
-19353600, -3225600, 19353600, -25804800, 19353600,
-38707200, -77414400, 154828800], [1, 39, 638, 4950,
17325, 38115, 0, -41580, 8, 1760, 26400, 55440, 304920,
388080, 5280, 129360, -184800, 388080, 997920, 271040,
-1478400, -566720, -1971200, -1823360, -836, -13860,
-13860, -69300, -665280, -665280, -10560, 776160,
1441440, -1552320, 2956800, 110880, 2439360, -4090240,
-13860, 623700, 1995840, -3160080, 8094240, -5987520,
1774080, 11975040, -13970880, -3872, -114048, -465696,
221760, 1995840, -428736, -1330560, 4656960, 3104640,
1182720, 13305600, -5125120, -399168, -3991680,
15966720, 3991680, 23950080, 39916800, 2128896,
-8781696, -1596672, 1064448, 51093504, 7920, -221760,
-1940400, -5654880, 0, -1774080, -7983360, -20845440,
-5765760, -4435200, -3880800, -15301440, 10644480,
-62979840, -37255680, 12418560, -15966720, -49674240,
34594560, 42577920, 126720, 950400, 3231360, -760320,
-2534400, 11024640, -12925440, 28638720, -16346880, 0,
24330240, -20528640, -50181120, 34974720, 0, 388080,
2494800, 3991680, 665280, -3104640, 7983360, 14192640,
-23950080, 7983360, -31933440, 21288960, 887040,
5322240, 1774080, 1774080, -3548160, -17740800,
-28385280, 1330560, 7983360, 0, 10644480, 0, 967680,
5806080, 7741440, 0, 0, 0, 0], [1, 32, 393, 1926, 4095,
-3780, -35721, 8694, 8, 976, 4896, 13104, 79128,

-42336, 3264, 9408, -76608, 197568, -88704, 2912,
-233408, 27552, -164864, -155008, -570, -5292, -6804,
-123984, -408618, 144396, 7920, 190512, -202608,
-613872, 280224, 689472, -30240, 90048, 3780, 57456,
-1068228, 851256, -387072, -272160, 1632960, -1519560,
1037232, -2640, -41472, 0, 616896, 281232, -122976,
151200, 635040, -211680, 298368, 943488, -446208,
-102816, 1003968, -1433376, -326592, -5769792,
-4112640, 181440, -1669248, 689472, 3435264, -5636736,
2880, -80640, -635040, -108864, -127008, -348768,
-1689408, -1893024, -233856, -201600, -508032, 3411072,
1923264, -1536192, 4741632, 1185408, -3943296,
-2370816, 4959360, 2274048, 56160, 472608, 1072224,
2100384, 654912, 1710720, 3851712, -359424, 115776,
7269696, 888192, -5529600, 7492608, -10312704,
-4741632, 63504, -108864, -644112, -2255904, 0,
-314496, 532224, 3441312, -7680960, 8709120, -1741824,
40320, -887040, -314496, -596736, 1757952, 4838400,
9096192, -193536, -1838592, -2370816, -1209600,
-1354752, -725760, -1306368, 290304, -1016064,
-2032128, 0, 0], [1, 29, 303, 1215, 6435, 16335, 23445,
-22995, 8, 520, -6480, 7920, 75240, 268200, 2760,
-42720, -46800, -246240, 464040, -88960, -51200,
-781440, 548800, 610880, -426, -990, -6300, -83700,
-150210, -276390, 21600, 73440, 384480, 286560,
-244800, -224640, -1313280, 30720, 6300, -87300,
570780, -89460, -580320, 1308960, -721440, -204120,
561240, -2352, -19008, 864, 31680, 360720, -14976,
334080, 259200, 1520640, -149760, -1416960, 307200,
-91008, 92160, 1451520, -2108160, -1935360, -832320,
29376, -521856, 1539648, -225792, -1190016, 360,
-18720, -565200, -1596960, -343800, 92160, -357120,
-967680, 3070080, 4464000, -100800, -2004480, 1935360,
5886720, -646560, 518400, -3651840, 4608000, 1696320,
3464640, 28800, 472320, 961920, -1981440, 1238400,
-587520, -7274880, -4469760, 2499840, -6451200,
2292480, 668160, -8040960, -5160960, 12902400, -51840,
-259200, 3058560, 754560, -967680, 7787520, -4331520,

1808640, 1048320, 6635520, -15482880, -213120,
-1048320, 1733760, -3248640, 1543680, -979200, 2211840,
-538560, 374400, 826560, -1082880, 420480, -1175040,
2280960, -1105920, -1296000, 1296000, 0, 0], [1, 26,
195, -234, -1521, -9126, -4563, 6318, 26, 910, -6552,
4680, -6786, -65286, 3588, -35880, 23400, -51480,
-126828, -33592, 13936, 57720, 160576, 26624, -390,
1404, 5616, -49140, 84942, 64584, 20124, 4212, 99684,
299052, 93600, 84240, 786240, -407472, 9828, -182520,
-21060, -190944, 280800, 454896, -657072, 412776,
-746928, -2496, -8424, 117936, 120744, -202176, -43056,
224640, -690768, -527904, -535392, -842400, 339456,
-87048, 561600, -766584, -977184, 2897856, 2600208, 0,
269568, -336960, -112320, 1437696, -1872, -20592,
-154440, 415584, 148824, -32760, 147888, 1193400,
1228032, -711360, -365040, 202176, -842400, -1263600,
-1291680, 11232, 78624, 1078272, 741312, -965952,
19656, 233064, 53352, 233064, 786240, -336960, 808704,
-853632, 1106352, -1690416, -628992, -89856, 2605824,
-4762368, 1257984, -33696, -758160, -1145664, 129168,
-1886976, -292032, 561600, -3459456, 887328, 606528,
5391360, 41184, 59904, -101088, 1003392, -4283136,
-673920, -8985600, 89856, 1123200, 426816, 3257280,
1572480, 202176, 1415232, 0, 943488, -134784, 1866240,
0], [1, 21, 35, -1869, -4221, -3801, 40257, -10647, 56,
1400, -9072, 28560, -2856, 3864, 5208, -30240, 199920,
-36960, 161112, 65408, -48384, 407680, -379904,
-336896, -350, 3654, -16884, -83580, 356202, -114786,
18144, -227808, 340704, -967008, 520800, -302400,
-1461600, 213248, 29988, -590940, 1137780, 96516,
352800, -3687264, 2022048, -1764504, 1861272, -2576,
12096, 163296, -442176, -87696, -72576, -120960,
-459648, 986496, -602112, 2903040, -523264, 84672,
443520, 737856, 1886976, -2306304, -810432, 0, -387072,
0, 0, -2709504, -4872, 26208, 179760, -82656, -80136,
-174720, -91392, 67200, -1118208, -860160, -3360,
2229696, -292320, -1155840, 1159200, -150528, 774144,
-2946048, 64512, -709632, 3456, 169344, -379008,

-1120896, 322560, -967680, -516096, 1225728, 1274112,
-3338496, 2838528, 774144, -3096576, -1225728, 2018304,
-47376, -579600, -970704, 968688, -2411136, 782208,
1330560, -4638816, 5025888, -4499712, 5040000, 129024,
2064384, 4257792, 6838272, 7225344, 15482880, 13547520,
-129024, -1935360, -2709504, -6451200, -13547520,
-129024, -1548288, -4515840, -387072, -2709504,
-1935360, -4838400], [1, 29, 348, 1800, 1575, 6615,
18900, -3780, -22, 460, 9000, -32760, -44730, 3780,
1680, 60060, -176400, -248220, -148680, 119840,
-350000, 68880, 28000, 489440, -606, -8910, 1890,
66150, 185220, -60480, -17460, 196560, 389340, 400680,
579600, -960120, 196560, 1061760, -7560, -75600,
748440, -438480, 861840, -1905120, -241920, 1542240,
241920, -1272, -44928, -140616, -181440, -45360,
-160776, -574560, 158760, -650160, -917280, -1512000,
598080, 84672, -2101680, 997920, -4399920, -90720,
-3326400, 1070496, 471744, -1778112, -2927232,
-9023616, 10620, 5040, 170100, -400680, 151200,
-337680, 1517040, 2691360, -20160, 1411200, -340200,
-861840, -2358720, 1028160, -967680, 2388960, 9132480,
14636160, -3205440, -5806080, 52920, 237600, 893160,
-533520, -540000, 4393440, 855360, 2358720, -1993680,
-367200, 2730240, 293760, 2004480, -6929280, -1728000,
60480, 0, -1451520, 1874880, 423360, -4112640,
-7983360, 2963520, 6773760, 4354560, -2903040, -20160,
-221760, -2358720, 2076480, -3346560, 5443200, 3870720,
-332640, -1391040, 1209600, -241920, 4838400, -544320,
-3265920, -4354560, 0, 0, 0, 0], [1, 24, 233, 1190,
3535, 5460, 2695, -2170, -32, -280, -80, 6720, 21840,
18200, 160, 4480, 33600, 8960, -14560, -3360, 123200,
48160, -112000, -264320, -386, -4940, -21700, -42000,
-28210, -21140, -2800, -11760, 152880, 56560, -140000,
759360, 493920, -105280, 2100, -47600, 226380, -24360,
-650720, 591360, -517440, -430920, 173040, -352,
-10048, -62496, -107520, 17920, -6496, -269920,
-520800, -328160, 58240, 685440, 313600, 126112,
-181440, -278880, 114240, 2197440, 284480, 128576,

276864, -1227072, -1023232, 1361024, 6560, 38080,
-39200, -277760, 22400, 92960, -454720, -782880,
-712320, -1545600, 492800, 309120, -315840, 454720,
909440, 156800, 4063360, -1568000, -1415680, 304640,
18400, 226720, 554720, 227360, 180800, -846720, 553920,
-117760, 95040, -3646400, -2683520, -163840, 829440,
1623040, 1574400, -66640, 56000, 465360, 384160,
936320, -788480, 2132480, 1430240, -1673280, -2625280,
-250880, -264320, -152320, 344960, 1173760, -62720,
716800, -1756160, -501760, -313600, 501760, 689920,
-376320, -439040, -439040, 878080, 0, 0, 0, 0], [1, 21,
140, 56, -2681, -6321, -1148, 1148, -14, 140, 1288,
-10920, -7266, 2324, 448, 9100, -47040, 27860, 28952,
12768, 9296, 26320, -29344, 49504, -350, -2366, 7826,
3990, 21812, 9184, -5236, 42672, -190596, 100072,
-24080, -29400, -307440, 213248, -8232, 22960, -165480,
10416, -299600, -213024, -37632, -139104, 131712, -616,
-7504, 49896, 147504, -56336, -27496, 52640, 4872,
186256, 138208, -342720, -185024, 25312, 105840,
458976, 867216, 62496, 623168, -28000, -501312, 571200,
291200, 1774976, 4508, -7952, 50260, 176344, -33376,
7280, 359408, 487200, -426048, 389760, 186200, 487536,
-235200, 454720, 89600, -265888, -666176, -764288,
-1008448, -781312, 17176, -24416, -93688, -434896,
-95200, 332640, -993216, 367808, -313488, -252896,
-73472, -386176, -2290176, 2031232, 1104384, -16576,
-340480, -706944, -80192, 64064, -1014272, -98560,
762944, 258048, -82432, 1254400, 5824, 64064, 429632,
-394688, 1531264, -2602880, -1863680, 84896, 472640,
507136, -815360, -1827840, 392896, 1009792, 448000,
580608, 1161216, 0, 0], [1, 18, 83, 38, 1903, 4290,
1885, -610, -14, -250, -5336, -1848, -13530, -6910,
340, -13064, -600, -58360, -70780, -16536, 44720,
76120, 34880, 16000, -206, 748, 4304, 13980, -1930,
-5240, 4748, 44004, 78900, -19460, -40640, -317040,
-93600, -139120, -14028, 21160, 50700, -25440, 99040,
-325200, 321360, 176040, 16080, -592, 440, -13392,
-44088, 81232, 13712, 45440, 157296, -46112, 207520,

208224, -168704, -28616, -275328, 197256, 687072,
-1105344, -381232, 15296, -133248, -16896, 514112,
-55168, 2384, 13840, -64040, -115040, 35480, 94184,
122480, 361560, 71040, 81600, 88400, -621120, -55200,
222160, -322720, -12064, 148000, -1105664, -514240,
-13120, 4072, 28360, 99080, 80840, -201280, -429120,
919680, -365440, -280080, 1538320, 574720, -435712,
576000, 1653760, -1881600, -49024, -170320, 339360,
148240, -496000, -192320, 374720, -74560, 1032480,
-1368256, 455680, -3680, 183680, -1263520, -214400,
-174080, -542720, 2014720, 154880, 740480, -701120,
61120, -255360, 391360, -524480, 133120, 604800,
-604800, 0, 0], [1, 14, -21, -882, -945, -1386, -3339,
630, 14, 322, -2520, 11592, 5418, 7686, 924, -6216,
24696, 51912, 59724, 7448, 19600, -41496, -26432,
-51520, -210, 1764, 6048, 9828, -18774, 5544, -252,
2268, -74340, 13860, 5040, 81648, -15120, -25872,
-8820, 60984, -141372, 20160, 10080, 535248, -89712,
243432, -182448, -840, 3528, 15120, -41832, -46872,
-17136, -70560, -160272, 20160, -147168, 163296,
158592, -9576, 122976, -52920, -477792, 165312,
-627984, 50400, 133056, -54432, -270144, -987840, 1008,
2016, -17640, 140112, -29736, 48888, -17136, -524664,
-44352, -153216, 3024, -526176, 284256, -265104, 58464,
179424, 352800, 572544, -258048, 278208, 3960, -51912,
-191016, 44856, -48384, -157248, -407232, 241920,
-388080, 537264, -161280, 8064, -137088, 1636992,
-465408, -17136, -89712, 450576, -218736, 254016,
427392, -60480, 824544, -905184, 1076544, -1741824,
76608, 600768, 294336, 838656, 653184, -189504,
1209600, -56448, -379008, 560448, -600768, 2217600,
-229824, -1366848, -580608, -628992, -24192, -1306368,
0], [1, 8, -147, -1362, 3423, 10980, 2115, -1170, 56,
880, -3456, 27312, -22200, -20160, 2400, 336, 25200,
-133680, -98160, 61664, -242240, -106080, 16960,
210560, -246, 1548, -23436, -7920, -29430, -2700,
-6192, -94896, 140400, -138960, 77760, -508320, 635040,
638400, 10332, -41040, 183060, 46440, -489600, 228960,

-550080, -366120, 123120, -912, 15840, 6048, -141408,
181872, -46368, 84960, 854496, -100512, 51840, -406656,
-340224, 95904, 473472, -666144, 741312, -22464,
1099008, -134784, -476928, 134784, -269568, 2322432,
-816, 21840, -69840, -151920, 33120, -46176, 75840,
223200, 24960, 487680, 208800, -125280, -86400, 728640,
241920, -215424, -1157760, 758016, -2880, 443520, -288,
-21600, -203040, 410400, -89280, 604800, 734400,
506880, -216000, 233280, -950400, -663552, 1036800,
691200, -1036800, -8064, 103680, 933120, 34560, 299520,
1036800, -1514880, 1347840, -1140480, 1430784,
-2522880, 69120, 207360, -1762560, -380160, -4665600,
-3836160, -6220800, -293760, -2384640, -777600,
-3905280, -518400, 380160, 3214080, 6566400, 466560,
2592000, 1658880, 4147200], [1, 20, 177, 1206, 2079,
-15120, -51345, 13230, -52, -860, 2664, 52920, 86940,
-142380, -1416, 1344, 156240, 241920, -57960, 4928,
300160, 638400, 474880, 949760, -246, -5868, -58716,
-120960, -101430, 137340, -1008, -178416, -226800,
-1658160, -151200, -483840, -2449440, 1626240, 29988,
100800, 1115100, 304920, 418320, -1466640, -90720,
1580040, -1063440, 888, 11232, -3024, 280224, 669816,
40320, -645120, -411264, 1451520, -1016064, -1016064,
3021312, 219744, 116928, 586656, -870912, -2467584,
2433312, -48384, 96768, 1112832, -2193408, 1677312,
4608, 34272, -110880, 252000, -191520, 108864, -685440,
-544320, -2419200, -4838400, 342720, 2116800, 2661120,
3669120, -4394880, 145152, -1919232, 2290176, -725760,
645120, 4032, 248256, -210240, 1160640, 264960, 207360,
4458240, -5898240, -1860480, -1342080, 5483520,
3921408, -6944256, 1704960, -599040, -111888, 483840,
-1799280, -2832480, 2358720, 6511680, -7297920,
-6098400, 5906880, 943488, 1935360, -330624, 403200,
-1249920, 3709440, 5322240, -5725440, -2128896,
-403200, -806400, -2822400, 3225600, 806400, 0, 0, 0,
0, 0, 0, 0], [1, 15, 62, 326, -371, -3045, -3920, 980,
-32, -640, 784, 6720, 21840, -4480, -1136, 2464,
-11760, -21280, 35840, 2688, -58240, -123200, -51520,

-103040, -116, -1268, -13636, -30660, 3920, 7840, 1232,
-8736, 92400, -59360, 11200, 3360, 221760, -165760,
588, -28700, 184800, -1680, 85120, -13440, 26880,
181440, -114240, 368, 7952, 37296, 46704, -20384,
25760, -58240, 35616, -15680, 110656, 153216, -347648,
59584, -84672, -599424, -212352, -209664, -114688,
-153664, 385728, 212352, -7168, -759808, 1808, -18368,
-24080, -5600, -17920, -9856, 109760, 94080, 436800,
873600, 79520, 369600, 107520, 152320, -340480,
-403648, -920192, 964096, 35840, -340480, 3712, 35776,
-77440, 179840, -202240, -138240, -456960, 642560,
-406080, -337280, 17920, 1056128, 532224, -266240,
-291840, -52528, 61040, -396480, -150080, 230720,
542080, 519680, -716800, 564480, -28672, -573440,
-10304, -11200, 586880, -882560, -1352960, 1039360,
630784, 224000, -313600, 179200, -1164800, 1075200,
448000, 448000, -896000, 0, 0, 0, 0], [1, 11, -30,
-414, -3231, -621, 18792, -3132, -4, -80, 4248, -360,
-7956, -13176, -912, 7680, -14400, 18000, -39168,
-8032, 17056, 49440, 54496, 92864, -120, -216, 2376,
2160, 81432, -25056, -3096, 11232, -52056, -16848,
-42480, 79920, -4320, 113088, -4212, 12420, 32400,
-33264, -54000, 111456, -110592, 85536, 6912, 24, 4536,
43416, -47736, -104976, 4464, -34560, 190512, -18144,
60768, -267840, 212736, 37152, -25920, -82944, 20736,
158976, -266112, -108000, 256608, -233280, 311040,
-359424, 1008, -40752, 2160, -247536, 95904, -15840,
-245952, -172800, -268128, -584640, 12960, -510624,
77760, -120960, 34560, -40608, -755136, -1168128,
1268352, 1340928, 7776, -25056, 132192, -38016, 95040,
388800, 566784, -559872, -31968, 126144, -76032,
-29376, 1655424, -857088, -677376, -20736, -34560,
-121824, 416448, 363744, -326592, -311040, 359424,
-76032, 165888, -414720, 67104, 323424, 1017792,
-664128, 157824, 69120, 552960, -22464, -190080,
-1499904, 1486080, 552960, -290304, 145152, 1451520,
-870912, -1741824, 0, 0], [1, 11, 6, 486, 2925, 9855,
11160, -5580, -28, -992, -4104, -15624, -1980, 88920,

-696, 3288, -24120, -57240, 52560, 22496, 55360, 82560,
40480, 161600, 60, 1980, -4572, -44820, -145080,
-22320, 7128, 26784, 5400, 55440, 18720, -133920,
-224640, 186240, -5796, 4500, -231120, 389520, 234000,
-64800, 17280, -194400, -247680, 24, 6264, 18360,
-3096, -118800, 14832, 47232, -182736, -146016,
-228384, -209088, 286464, -20160, 295200, -658368,
58752, 1092096, 544896, -56160, 289440, -305856,
-232704, 368640, 144, -17856, 48240, 92160, -144000,
-54720, 468000, 224640, -537120, -832320, -174240,
1287360, 69120, -1820160, 437760, -303264, 300096,
-403200, 115200, -794880, -576, 16992, 149760, -2880,
-351360, -328320, -639360, 230400, -113760, 1471680,
288000, 317376, 1680768, -460800, -1128960, -40176,
-58320, 816480, 357120, 237600, -48960, -1186560,
-869760, -2304000, -82944, 3179520, 107424, -1078560,
135360, 1131840, 1837440, 299520, -2433024, 455040,
-1526400, 161280, 1232640, -322560, 380160, -1140480,
760320, 0, 0, 0, 0], [1, 8, -57, 18, 63, -1260, -6615,
1890, -4, -500, 504, 1512, -3780, -13860, -660, 1596,
-6300, -1260, -10080, 1904, 1120, -1680, 12880, 22400,
24, 1728, 504, 22680, 15120, 7560, 3528, 10584, 63000,
68040, -5040, -30240, 75600, -6720, -6048, -30240,
-75600, -105840, 55440, -75600, 20160, -272160, 211680,
-192, 2520, -16632, -8568, 46872, 4032, -70560, -18144,
16128, -10080, -42336, 65856, 3024, -76608, 359856,
24192, 173376, 36288, 37296, -21168, 48384, -197568,
266112, 324, -18900, -11340, 64260, 22680, -7056,
60480, -105840, -20160, -151200, -100800, -90720,
-151200, -383040, 362880, 62496, 30240, 173376, 347760,
211680, 2592, 25920, -76320, -77760, -53280, -47520,
-40320, 48960, 349920, -298080, -60480, 139968,
-1028160, -613440, 864000, -28224, 110880, -30240,
-120960, 151200, 312480, -262080, 483840, -241920,
-133056, -241920, 80640, 10080, -393120, -201600,
-161280, 665280, 0, -15120, 287280, 514080, 544320,
-1330560, -483840, 241920, 241920, -604800, 604800, 0,
0], [1, 3, -142, -222, 353, 3355, 2040, -1020, 36, 80,

3464, 2792, -11500, 10040, 0, 1616, -7600, 46720, -160,
-14816, 8160, -10080, -19040, -72640, -56, 488, -6536,
2480, -34680, 0, -1352, 10144, -123400, -120560, -240,
157680, -123360, -123200, -1428, 31460, -2640, 117840,
9200, -153440, 113920, 86880, -113280, -312, 3880,
-25272, -44648, 32592, -12208, -23040, 85776, 19808,
30240, 25664, -76544, 32224, 832, 147456, -70528,
-277504, 221568, 18016, -129888, -106176, -87808,
387072, 304, -10480, 72560, 64080, -48480, 14304,
-16960, 131200, 212960, 409280, -111200, 388320,
-33600, 583040, -257280, 26656, 442560, 571136,
-228480, -775680, 3872, -2720, 92960, -28800, 163520,
27200, 179200, -152320, 79200, 60480, 134400, 170688,
40320, -1459200, 345600, -17664, 1280, 13920, 48960,
-176480, -468800, 485120, -610560, 318720, -623616,
1029120, 80480, 9760, -250560, -589760, 22400, -744960,
-860160, -269760, -666240, -134400, 664320, 0, 207360,
257280, -1881600, 1052160, 537600, 1658880, 0], [1, -4,
-219, 366, 5295, 6120, -27045, 4230, 92, 388, 216,
-18264, -66660, 52740, 2184, 48, -41760, 240, 10200,
3776, 56320, 73920, 11200, 81920, -210, -2340, -19332,
74160, 4590, 3780, -8352, 2304, -138240, 588960, 21600,
61920, -86400, 174720, 4284, -21600, 468180, -316440,
-198000, 105840, -243360, 353160, 19440, 24, 16704,
-23760, 120384, -37800, -16128, 364032, 100224,
-222336, -48384, -188928, 56064, 103680, -457920,
-1150848, 404352, 452736, -847584, -250560, 259200,
471744, 919296, -1814400, -816, -4656, -74160, 3600,
28800, -64320, 61440, -498240, -545280, -762240, 79200,
-203040, 302400, -904320, -69120, -129024, 158976,
-2615040, 826560, 581760, 2304, 6912, 0, -69120,
161280, -69120, -725760, -80640, 69120, -1451520,
241920, 435456, -145152, -34560, 829440, -14976,
-34560, -103680, -172800, -668160, -1313280, 247680,
-933120, 1555200, -1016064, 2453760, 82944, 69120,
-311040, 1347840, 3144960, 3421440, 5515776, -397440,
-518400, 1814400, 449280, 725760, 1416960, 4665600,
967680, -1918080, -6531840, -2695680, -5806080], [1, 3,

-82, 798, 693, 2415, 7560, -1260, -4, -1120, -696,
-22008, -20580, -15960, -120, 11256, 37800, -15960,
-119280, 47264, 107520, 253120, -213920, -257600, 244,
3348, 4284, -4620, 2520, -5040, 6888, -82656, -63000,
38640, -181440, -80640, -100800, 250880, 10332, 39060,
75600, -5040, 5040, 554400, -282240, 332640, -241920,
-632, -5400, 13608, 124152, 99792, -27888, 120960,
-93744, 241248, -90720, -12096, -66304, -72576, 336672,
-229824, -701568, -451584, -24192, 42336, -247968,
471744, 145152, -580608, 624, -10080, -38640, -231840,
60480, 21504, -23520, 255360, -36960, 436800, -16800,
-645120, 201600, 1800960, -645120, 196896, -1270080,
1026816, 322560, 564480, 1152, 47520, 31680, -221760,
-103680, -241920, 305280, 437760, 810720, -492480,
-564480, -499392, -984960, -599040, 1036800, -23184,
35280, 272160, 80640, 453600, -1955520, 1048320,
-1330560, 967680, 2709504, -2257920, 131040, -897120,
60480, 1713600, 443520, -1451520, 0, -40320, 1572480,
-1451520, -2983680, 2903040, -887040, 2661120,
-1774080, 0, 0, 0, 0], [1, -1, -138, 702, -1323, -5229,
-3024, 756, 32, -608, 4176, -2016, 35280, 8064, 96,
-3696, 8064, -13104, 94752, 4928, -73472, -131712,
54208, 119168, 132, 1188, -252, -8316, 27216, 0, 5040,
-42336, 55440, -6048, -38304, -169344, -96768, 150528,
5292, -20412, 78624, -39312, 40320, 24192, -64512,
36288, -12096, -624, -5904, -21168, -1008, -139104,
-26208, 104832, -90720, -189504, 262080, 314496,
-139776, -36288, 141120, -120960, -48384, -129024,
96768, 52416, -157248, -314496, 419328, 0, 1584, 10080,
63504, -12096, -12096, 88704, -189504, -193536,
-181440, -8064, 38304, -217728, 120960, 354816,
-193536, 116928, 895104, -1193472, -532224, -193536, 0,
-1728, -52992, 293760, -105984, 691200, 39168, -350208,
240192, -148608, 96768, -1247616, 1845504, 1188864,
-1244160, -19152, 95760, -374976, -36288, -205632,
475776, -225792, -628992, 532224, -387072, 774144,
92736, -383040, 556416, -56448, -209664, 0, 0, -290304,
870912, 483840, -1064448, 0, 96768, -2225664, 2128896,

1935360, -1935360, 0, 0], [1, -7, -192, 1188, -837,
-945, 11340, -1620, 86, -260, 4464, -16848, 14850,
-31860, 1680, -18564, 28800, -52380, -93960, -19696,
-20240, 45120, 62560, 4160, -66, -2322, -1026, -38070,
-14580, 0, 468, 22464, 105300, -93960, 128160, 292680,
494640, -312000, -4968, -19440, -100440, 84240, 64800,
-51840, 69120, -155520, 25920, -192, 3240, -2592,
105192, 119232, -18648, 108000, -8424, 254448, -217440,
-478656, 212736, 24624, -40608, -160704, -340848,
310176, -67392, -52704, -36288, 471744, 76032, -528768,
1404, 12960, 85860, -139320, 25920, 89424, -369360,
518400, 99360, -544320, 37800, 447120, -259200,
-1200960, 414720, 197856, -751680, 297216, -881280,
414720, -2808, -90720, -154440, -226800, -168480,
-453600, -561600, 449280, -680400, 168480, 0, 269568,
-2177280, 3628800, 0, -5184, 190080, 25920, 77760,
69120, 432000, -276480, 959040, -1140480, 1327104,
-1658880, 74880, -368640, 527040, 469440, -201600,
1434240, 1175040, -401760, 855360, -1036800, 933120, 0,
1373760, -673920, 0, -1347840, 4147200, -5598720, 0],
[1, -15, -208, 2676, -1701, -11865, -3780, 1260, 158,
-580, -3216, -47040, 71610, 19740, 6144, -44436,
156240, -28140, 136920, 40208, 92400, 172480, -173600,
-217280, -386, -6498, 41454, 48090, 76860, -10080,
-14028, 18144, -21420, 59640, 100800, -607320,
-1345680, 150080, -31752, 176400, -143640, -146160,
-443520, -947520, 564480, -181440, 423360, 1168, 23832,
-33264, 24024, -320544, 41160, 50400, -1023624,
-250320, -824544, 818496, -34048, 184464, -850752,
1282176, 1986768, 626976, 568512, -260064, 1608768,
-1124928, -2274048, 2443392, -2532, -46368, -184380,
-214200, 60480, -131376, 58800, -255360, 1065120,
1740480, -157080, -670320, 524160, 1767360, -322560,
262752, -2140992, 3230976, 1491840, 645120, 1512,
16416, 336600, 651600, 113760, 358560, 1776960,
-334080, -303120, 2397600, -645120, 131328, 4264704,
-4343040, -2211840, 4032, 282240, 181440, -141120,
282240, 1411200, -322560, 2963520, -725760, 580608,

-4515840, 32256, -1008000, -786240, -141120, -2620800,
-6652800, -9386496, -413280, 2237760, 483840, -2338560,
-1935360, 2399040, -3507840, -2580480, -8951040,
-3870720, 14031360, 15482880], [1, -25, -138, 5166,
-17451, -34965, 90720, -11340, 248, -2240, -14976,
-5040, 511560, -347760, 15504, -129696, 609840,
-987840, -161280, 307328, -1030400, -913920, 179200,
1003520, -876, -8748, 203364, -253260, -635040, 90720,
-56448, -163296, 514080, -1028160, -856800, -3265920,
5685120, 3118080, -88452, 1984500, -3810240, 1315440,
-2812320, 13970880, -5080320, 4354560, -3810240, 4128,
41472, -381024, -858816, 1342656, 282240, -1088640,
2612736, 967680, 2935296, 4064256, -1978368, 471744,
-5588352, 4790016, 6386688, -13353984, -10015488,
72576, -870912, 870912, 2322432, -3483648, -14832,
-207648, 468720, 2721600, -544320, -959616, 2822400,
483840, -2580480, -7096320, -2026080, 11249280,
-4717440, -12579840, 2903040, -1064448, 6386688,
-8515584, 2903040, -5806080, 41472, 694656, 777600,
-3628800, 2799360, -2903040, -4976640, -1658880,
6324480, -15552000, 5806080, 5971968, -11943936,
-21565440, 19906560, -81648, -1406160, -4354560,
1270080, -6168960, -3628800, 2903040, -13063680,
6531840, -22643712, 40642560, 112896, 806400, 6773760,
9031680, 6451200, 9676800, 43352064, -362880, 4354560,
-4354560, -11612160, 17418240, 2903040, -17418240,
23224320, -17418240, 34836480, 69672960, -139345920],
[1, 20, 213, 990, 1575, 15120, 33075, 35910, -76, -260,
2520, -32760, -107100, -109620, 1680, 33600, 50400,
-100800, -126000, 29120, -22400, -369600, 179200,
358400, -498, -8100, -3780, 151200, 179550, 200340,
-9360, -75600, 831600, 831600, -100800, 604800,
-2116800, -873600, 49140, -302400, -850500, 1171800,
226800, 3402000, 302400, 113400, 2192400, 888, -21600,
-208656, -635040, -793800, -56448, -483840, 362880,
1935360, -1370880, 1209600, -913920, 284256, 302400,
-5533920, -2903040, -3628800, -2147040, 798336,
5806080, 3120768, 6580224, 7886592, 12240, 141120,

453600, 302400, -1436400, -20160, 201600, -302400,
1612800, 3225600, -907200, -1814400, -4536000,
-4233600, -8769600, -1693440, -2661120, -5322240,
2419200, 7257600, -8640, 95040, -43200, 2376000,
691200, -3110400, 0, 0, 1123200, 4752000, 6566400,
-5045760, -8778240, 2764800, -691200, -75600, 0,
-226800, 151200, 1512000, -3931200, 0, 2872800,
1512000, -5443200, 3628800, -201600, -403200, 1814400,
806400, -806400, 3628800, -4838400, -241920, -1209600,
483840, -967680, 1935360, 0, 0, 0, 0, 0, 0, 0], [1, 17,
132, 0, -3465, 10395, -13860, -13860, -58, 220, 3960,
-55440, 34650, -13860, 1320, 32340, -138600, 207900,
138600, 49280, -215600, 462000, 431200, -431200, -462,
-4950, 34650, 103950, -69300, -55440, -13860, 0,
207900, -970200, 0, -1247400, 831600, -369600, 27720,
-277200, 415800, -277200, 554400, 0, 0, 0, -1108800,
528, -21384, -33264, -138600, 332640, -60984, 110880,
748440, -498960, -997920, 1330560, 73920, 144144,
-554400, 0, -1164240, 1663200, -1552320, 465696,
931392, -399168, 2040192, 1507968, 9900, 55440, 346500,
-138600, 554400, -55440, 1940400, -1663200, 2217600,
-2217600, -693000, 831600, 3326400, 5544000, 4435200,
-1663200, -6431040, -5765760, -1108800, 0, -3960,
-174240, -930600, 277200, 79200, -2613600, -475200,
-4593600, 1386000, 1980000, -4435200, 2597760, 2787840,
1584000, 1267200, 0, 0, 0, -1108800, 0, 2217600,
4435200, -1108800, -4435200, 0, 0, 0, 0, 1108800,
-1108800, 2217600, -2217600, 0, 110880, 221760,
-887040, -887040, -3548160, 302400, 1814400, 2419200,
0, 0, 0, 0], [1, 17, 177, 945, 1575, -8505, 6615,
-18585, -88, -560, 2160, 30240, -113400, 55440, 1140,
8400, 239400, -277200, 119700, -11200, 515200, -571200,
515200, -515200, -372, -7740, -40320, 75600, 69300,
-99540, 0, -211680, 0, 554400, -277200, 453600,
1587600, 1948800, 66780, 182700, -1190700, -762300,
352800, -2419200, 2646000, 151200, -1461600, 1608,
-864, -154224, 10080, -113400, -8064, -685440, -120960,
-1088640, -1290240, -2419200, -1881600, 179424,

1794240, 1602720, 2419200, -3870720, 1703520, 254016,
991872, 1294272, 5386752, -2765952, 8100, 136080,
88200, 831600, 850500, 100800, -1411200, 2721600,
-3628800, 3628800, -781200, -1360800, 2494800,
-7056000, 3351600, 0, -4999680, 5644800, 4636800,
-6249600, -23040, 178560, -230400, -1411200, 1065600,
1209600, -2678400, -1497600, -1094400, 4608000,
-7660800, -4930560, 4055040, 4723200, 1843200, -105840,
75600, -75600, -176400, 1814400, 3225600, 705600,
-1008000, 3830400, -6168960, -2116800, -201600,
-403200, -1411200, 1612800, 0, 403200, 0, -141120,
-282240, -987840, 1128960, 282240, 0, 0, 0, 0, 0, 0,
0], [1, 12, 77, 110, 55, 1320, 715, -1210, -68, -220,
-440, -6600, -16500, -2860, 880, 3520, 26400, 17600,
4400, -10560, -35200, -17600, -140800, 140800, -242,
-2420, 3740, 26400, 2750, -3740, -880, -29040, 13200,
-4400, -17600, 105600, -158400, -246400, 16500, -44000,
-161700, -33000, -4400, 92400, -264000, -59400,
-145200, 968, -2464, -33264, -36960, 10120, 2816,
91520, 42240, 35200, 267520, -126720, 309760, 23584,
285120, 248160, 295680, 253440, 677600, -60544,
-219648, -156288, -1205248, -1230592, 4400, 45760,
61600, 88000, 57200, -3520, -246400, -52800, 422400,
-422400, -193600, -105600, 369600, -176000, 334400,
-352000, -239360, 478720, 704000, -140800, -17600,
-59840, -88000, -88000, 70400, 0, 211200, 1126400,
316800, -176000, 1408000, -140800, 253440, -1126400,
-844800, -16720, -35200, 13200, -149600, -404800,
193600, -985600, -378400, -158400, 1992320, -70400,
35200, 70400, -35200, -704000, 140800, -915200,
1408000, 154880, 239360, -112640, -112640, -168960,
179200, 179200, -358400, 0, 0, 0, 0], [1, 8, -3, -594,
-1953, 3780, -7245, 3150, -40, 400, 2016, -13104,
47880, 20160, 240, 4368, -25200, 15120, -50400, 6944,
51520, -97440, 78400, -58240, -246, -468, 22932,
-15120, -71190, 8820, -7056, -27216, -45360, 35280,
-60480, 90720, 151200, 114240, 10332, -35280, 200340,
78120, 100800, -90720, 241920, -158760, 267120, 528,

-6048, 30240, 38304, 51408, -2016, 110880, -163296,
-42336, -120960, 24192, -155904, 2016, -64512, 127008,
495936, -592704, 419328, -48384, -483840, -145152,
-209664, -403200, 3312, -5040, -35280, -146160,
-141120, 26208, 20160, -211680, -443520, 564480,
-50400, 151200, -846720, -1350720, -1249920, -24192,
1249920, 1274112, 342720, 604800, -8928, -105120,
-188640, 15840, 31680, -397440, 544320, -230400,
377280, -901440, -201600, 880128, 645120, 46080,
-253440, 24192, 241920, 725760, 403200, 0, 1128960,
-40320, -1048320, 887040, -1596672, -725760, 0, 0,
-403200, 403200, -1532160, 1532160, 0, -40320, -80640,
-40320, 1048320, 2016000, -241920, -725760, -483840,
-362880, -725760, 0, 0], [1, 8, 33, 198, 3663, 5940,
16335, 20790, -64, -440, -6336, -11088, -31680, -83160,
1320, 1056, 39600, 174240, 27720, -20416, -49280,
73920, 119680, -246400, -66, 1188, 3564, -47520, 32670,
-5940, 3168, 57024, -237600, 95040, 63360, -570240,
475200, 612480, -13068, 23760, 89100, -154440, 95040,
-712800, 142560, 35640, -403920, 528, 0, -28512,
-114048, -185328, 12672, 190080, 228096, 304128,
253440, -228096, -109824, -38016, 76032, 228096,
-114048, 798336, 19008, -57024, -114048, 57024,
-1064448, -494208, 1584, 31680, 142560, -95040,
-403920, -69696, -443520, -1045440, -696960, 316800, 0,
1140480, 0, 1330560, 1615680, -152064, 380160, 988416,
380160, 1140480, -19008, -95040, 665280, 1045440,
-190080, 1140480, -1710720, -1520640, -190080, -190080,
-3041280, -76032, -1900800, -1520640, 3801600, 14256,
-285120, -926640, 807840, 0, 2090880, 760320, -617760,
665280, 2052864, -4561920, 126720, -126720, -760320,
633600, 126720, -760320, 760320, 190080, -760320,
190080, 760320, -380160, 207360, -622080, 414720, 0, 0,
0, 0], [1, 5, -21, -261, 1539, -4329, -1287, -5823,
-40, 88, -2736, 5328, -9864, 7416, 600, -2976, 24048,
-13536, 27864, -8320, 3328, 8832, -10880, -10624, -102,
1710, 10908, -4428, 35874, 7110, -1440, 12960, -91296,
-140256, 29664, 15552, -11232, 134400, -9036, -18828,

167076, 84852, 53280, 199584, -71136, -26136, 210456,
240, -4032, -30240, 68544, 36720, 12672, 28800, 141696,
-95616, 50688, -207360, -52224, -9792, -275328,
-416448, -532224, 205056, -407232, 46080, 221184,
82944, 350208, 921600, 1656, 12384, -43344, -43488,
79992, -5760, -274176, 397440, -163584, 99072, 56160,
347328, -187488, 2304, -551520, -59904, -133632, 9216,
305280, -286848, -12672, -49536, 130176, -160128,
-110592, 387072, -73728, -27648, 163584, -126720,
-147456, 156672, 156672, -875520, 294912, 26064,
171216, -513648, -261936, 176256, -602496, 120960,
-32544, -704736, 324864, 1296000, 9216, 211968, 700416,
396288, -27648, 921600, -2211840, -101376, -479232,
396288, -184320, 368640, -193536, 193536, 0, -338688,
338688, 0, 0], [1, 0, -91, -546, 2639, -4004, 3003,
3822, 0, 728, -1456, 11648, 16016, 5096, 0, -1456,
-10192, -59696, -45136, 14560, -17472, -26208, -29120,
81536, -182, 1820, 2548, -62608, -6006, -16380, -7280,
-7280, 42224, 246064, -52416, 235872, -61152, -203840,
7644, 68432, -73164, -146328, 72800, -518336, 5824,
24024, -231504, 0, -2912, 0, 49504, -87360, 2912,
-43680, -253344, 107744, -104832, 291200, 23296, -2912,
-11648, 235872, -180544, -5824, -17472, 58240, 209664,
34944, 535808, 0, 1456, -1456, -27664, 39312, 17472,
43680, 64064, 14560, 430976, -302848, -72800, 113568,
454272, 762944, 1223040, -151424, -454272, -1141504,
-87360, -244608, -7072, -37856, 212576, -26208, -75712,
221312, 75712, 46592, -52416, -262080, 384384, 279552,
-419328, -698880, 179712, 34944, 256256, -69888,
209664, 372736, -605696, -58240, -209664, 908544,
-1188096, 349440, -93184, -745472, -209664, -1094912,
396032, 349440, 1397760, 34944, 69888, -803712,
-349440, -3144960, 209664, 1188096, 698880, 454272,
69888, 967680, 0], [1, -7, -147, -147, 8463, -13545,
12915, -7245, 56, 1120, -7056, 10752, -54600, -70560,
420, 10416, -88200, 31920, 183540, 57344, -304640,
577920, 333760, -360640, -336, 1008, -24696, -2520,
128520, 37800, -14112, -2016, 655200, -473760, -231840,

161280, -423360, -470400, 40572, -49140, -616140,
275940, -50400, 725760, 468720, -90720, 393120, 168,
10080, 21168, -6048, 92232, -16128, 241920, -290304,
-145152, 241920, -596736, 247296, -12096, 64512,
556416, 1112832, 32256, 1155168, -209664, -822528,
-193536, -1387008, -2032128, 84, -8400, -118440, 85680,
-66780, 21504, -53760, 201600, -147840, 228480, 50400,
-967680, -907200, -2136960, -2857680, 274176, 2177280,
1806336, 342720, 141120, -4608, 0, 322560, 0, -161280,
0, -806400, -1451520, 0, 967680, 0, 96768, 0, 0,
518400, 32256, 161280, -967680, -483840, 645120,
-1612800, 1451520, 483840, -967680, -193536, 1451520,
-161280, -1290240, 483840, -2741760, 3225600, -1935360,
2419200, 483840, 4354560, 2419200, 8709120, 7257600,
-483840, -3870720, -7257600, -483840, -2419200,
-1451520, -3628800], [1, 8, 69, 270, -1449, -11340,
2835, 3150, -88, -416, 3024, 30240, -22680, 40320, 600,
-6720, 35280, -80640, -27720, 896, 71680, 94080,
152320, -71680, -102, -4068, -27468, 30240, -630,
-1260, 6048, -84672, -272160, 40320, 10080, -725760,
90720, -349440, 38052, 277200, 11340, 194040, 413280,
-241920, -937440, -52920, 821520, 1824, 12096, 0,
221760, 18144, -8064, -129024, 314496, 0, -322560,
483840, -139776, -80640, 137088, 459648, 387072,
2080512, -2040192, 0, -1257984, -774144, 64512, 548352,
-432, 30240, -100800, -90720, -257040, 16128, 403200,
0, 0, 0, -403200, -181440, -1632960, 2257920, -20160,
870912, 322560, -2677248, -564480, 2096640, -19584,
29952, -247680, -460800, 218880, 1313280, -241920,
230400, -748800, 599040, 1290240, 474624, 419328,
-1843200, -506880, -15120, -60480, 196560, 836640,
-362880, -1612800, 1733760, 594720, -3003840, 1451520,
241920, 64512, -161280, 161280, -806400, -1451520,
1612800, 580608, 161280, 322560, 1128960, -1290240,
-322560, 0, 0, 0, 0, 0, 0, 0], [1, 5, 42, 306, 909,
3105, -7020, -7020, -82, -500, -1476, -720, 44190,
1620, 1104, 2064, -27360, 94320, -38160, -2272, -93440,
55200, -24320, -29440, 24, -1188, -14796, -58860, 7020,

14040, 5112, 31104, -91800, 149040, 72000, 142560,
164160, 114240, 6588, 110700, 0, -114480, -130680,
45360, 233280, 84240, 488160, 1248, 9072, 27216,
-148176, -11664, -11520, 69120, -705024, -224640,
66816, -134784, 141312, -68256, 351648, 539136,
-508032, -1327104, -641088, -82944, 269568, 663552,
1043712, 1147392, -1872, 8352, 166320, 43200, 254880,
-78336, 221760, -630720, 288000, -288000, -125280,
-777600, -362880, 155520, -1226880, 335232, 511488,
331776, -380160, 414720, -14688, -65664, 228960,
-164160, 34560, 725760, 829440, -656640, -146880,
-1054080, -276480, -214272, -1230336, 898560, 552960,
22032, -304560, 414720, -406080, -168480, 578880,
-241920, 993600, 708480, -1804032, 207360, 130176,
-489600, 103680, -264960, 714240, 1244160, -1437696,
172800, -172800, -345600, -345600, 691200, 0, 0, 0, 0,
0, 0, 0], [1, 2, -3, -90, -1125, 270, 1215, 1890, -58,
10, 1980, 1260, -5850, 1890, 60, -2580, -6300, -38700,
3600, -2200, -26000, 35400, -22400, 2000, -12, -540,
1080, 21600, -13500, -5940, 1440, -14040, 108000,
-16200, 45000, 118800, -91800, 98400, 3240, -37800,
-64800, 10800, -102600, 16200, 248400, 97200, -248400,
888, 1296, 4536, 8640, 0, 3816, 14040, 9720, 68040,
37440, 82080, -24000, -28296, -45360, -119880, -375840,
-56160, -30240, -54864, -81648, -62208, 132192, 343008,
-1260, -10620, -67500, 24300, -48600, -25560, -3600,
167400, 46800, -46800, 97200, -129600, 291600, -43200,
410400, 423360, 393120, -95040, -464400, -432000,
-6480, 28080, -97200, 54000, 43200, -194400, -151200,
-453600, 43200, 496800, -864000, -47520, 4320, 280800,
432000, 19440, 75600, 162000, 75600, -172800, -583200,
-64800, 302400, 302400, -246240, 129600, 10080, 72000,
-216000, 525600, 554400, -410400, -535680, -101520,
153360, -159840, 617760, -509760, -259200, -259200,
518400, 0, 0, 0, 0], [1, -3, -58, -330, -655, 9445,
-2460, -2460, -18, 620, 3380, -12400, 5750, -32860,
-1080, -1000, 12200, -17000, 46400, -3440, 74400,
10800, 25600, -16000, -92, -160, 6520, -29200, 12300,

14760, -2480, -25280, 48800, 25600, -15600, -313200,
19200, -130400, 8220, 23900, 49200, -42000, 98600,
31600, -377600, -49200, 127200, 528, -3584, 20736,
-89120, 11280, 12416, -21120, 6720, -44800, -25920,
-97600, 10240, -28256, 62560, -256320, 380480, 337280,
-275520, -34304, 194112, 281472, -206848, 27648, -560,
-24400, -12400, -3600, 91200, 17760, -78400, 224800,
-246400, 22400, 37600, -112800, 124800, 324800, 249600,
319360, 278400, -40960, -153600, -556800, 1280, 62080,
214400, 316800, 70400, 243200, -444800, 790400,
-288000, 460800, 1171200, -1092480, -1255680, -249600,
0, 11520, -25600, -76800, -547200, -281600, 44800,
262400, 28800, -844800, 929280, 499200, -56320,
-281600, -720000, 438400, 185600, 96000, 337920, 12480,
24960, 994560, -1443840, -898560, 201600, -134400,
-1075200, 672000, 1344000, 0, 0], [1, -2, -7, 278, 923,
690, 435, -510, -54, -290, -2596, -6628, -5230, -7410,
1020, 7916, 8900, 16340, -5680, -2776, 2320, -118680,
82080, 31600, 164, 1668, -2336, -9720, 7020, 1860,
-152, 14304, -5000, 39840, 6760, 50160, -143000,
-202720, -12088, -5640, -25200, -25440, -84760, 130200,
-162640, -16560, -51120, 128, -1120, 10248, 9072, 6312,
-4408, -26920, 157656, 74568, -201760, 374144, -132864,
13224, 28752, 42696, 202272, 87456, 368928, -624,
-251568, -249696, -61728, -556128, -1676, -3660, 47460,
2460, 32280, -62936, -65520, -45240, -132560, 325200,
128400, 89280, 159600, 101760, 19680, 158496, -264000,
-313344, -281040, -270720, -3488, -480, -49920, -46560,
149920, -359520, 271680, 244960, -163680, -550080,
899520, 178848, 606240, 780960, -979200, 33456, -89520,
-185040, -138960, 362400, -261120, 292320, 66240,
204480, -431136, 146880, 3840, 175680, 154080, -60000,
-989280, -580320, 1296000, -178320, 467280, 67680,
-221280, -135360, -181440, 544320, -362880, 0, 0, 0,
0], [1, -6, -43, 102, -133, -2954, 231, 546, -18, 242,
476, 4844, 3710, 11354, -324, -1876, -9436, 8596,
-5488, -2072, 7728, 64008, -12992, -26992, 52, 1028,
-2072, 11984, -2604, -3780, -560, -1736, -33040,

-47768, 33096, -93744, 115752, 3808, -5208, -12712,
34944, 24528, -62440, 59752, -44912, -25872, 6384, -24,
-5264, -13608, 11872, -9744, 10472, -33768, -61320,
-58744, 0, -230944, 86464, 17752, 66640, 2520, 293216,
-183904, 295008, 21616, 200592, 135744, 35168, -393120,
-236, 2660, 12404, -20916, -31416, -21336, 207536,
-110936, 50960, -135184, 24304, -49728, -139440,
-73024, -230496, -180992, -290976, 166208, -50064,
465024, -880, 49552, -42832, -22320, 31616, 48800,
-16352, 132512, -39168, 28512, 110208, -469536, 58464,
580704, -224640, 14448, -49840, 90384, 200592, -187712,
443296, -58912, -4032, 81984, 59808, -590016, -62944,
-109760, 193536, -129248, 326816, -688800, 470400,
3696, -229488, -346080, -335328, 907200, 338688,
-102144, -236544, 430080, -430080, 0, 0], [1, -12, -67,
318, 1343, -320, 915, -570, 36, 620, -1336, -6568,
-5500, -9460, -1080, 2096, -4000, 14320, 2840, -4736,
44160, -103680, -69440, 47360, -146, -52, -8996,
-11920, 9870, 4500, -1472, 27424, 34400, 34240, -6240,
-47520, -58560, 236800, 10812, 23360, -59340, -6360,
14000, -41840, 202720, 38280, 99120, 168, -1280, 16848,
22912, 14952, 7232, -70080, 182976, 37568, 69120,
253184, -84224, -32576, -24128, 110016, -260608,
214016, -269472, 31936, -194688, -290496, -264448,
266112, 304, 80, 65360, -7920, 9120, 9984, 45440,
-99200, 47360, 68480, -106400, 42720, -91200, -213760,
-286080, 256, -499200, 25856, -41280, 289920, -448,
18880, -111040, -72000, -4480, -620800, 131200,
-344320, 144000, -40320, -1075200, 369408, 817920,
787200, 0, 3456, -152320, -180480, -80640, -212480,
448000, -330880, 80640, -257280, 977664, -295680,
-56320, 156160, 195840, 835840, -736000, 579840,
-975360, 263040, 802560, 355200, -26880, 864000,
-195840, -203520, 1689600, -935040, -556800, -1451520,
0], [1, -20, -43, 1166, 2639, -17640, 1995, 2310, 108,
340, -10696, -10360, 23660, 65940, 264, 22064, -48160,
235760, -109480, 4928, 44800, -208320, 100800, 17920,
-466, -708, -4676, 139440, -27090, -33180, -8288,

41664, -29120, -473760, -173600, -57120, 421120,
-353920, 34748, -218400, 39060, 84840, 393680, 354480,
-572320, 7560, -458640, 1208, 12992, 3696, -119616,
-69384, -4480, 183680, -639744, 134400, 148736,
-200704, 37632, -99456, -57792, 32256, -319872,
-841344, -993888, -122304, 540288, 487872, 360192,
1636992, -2672, -34608, -85680, 42000, -6720, -7616,
-403200, 114240, -788480, 228480, 225120, 211680,
490560, 658560, 2231040, 763392, 1198848, 758016,
-356160, -1169280, 3712, 64896, 48000, -124800, 21760,
399360, 591360, 1726720, -49920, 518400, 2446080,
-1251072, -1886976, -848640, -829440, -2688, -188160,
80640, 564480, -53760, 1881600, -120960, -564480,
80640, 16128, -1693440, -21504, 806400, 1532160,
1102080, -2016000, 1209600, -2612736, 309120, -887040,
-3346560, -4220160, -6370560, -1532160, -4919040,
-967680, 2136960, 7015680, 2741760, 5806080], [1, -8,
17, 710, -385, 10500, 22575, 24150, -48, -680, -4480,
-26320, -86800, -71400, 2520, 29120, 114800, 190400,
253400, -4480, -89600, -67200, -201600, 112000, 398,
2820, -4340, 0, -198450, -203700, -9920, -97440, 44800,
-386400, -156800, 436800, 515200, -44800, 6020, 210000,
560700, 96600, 257600, -184800, 173600, -138600,
1033200, -1072, -3904, 89376, 181440, 129360, -19264,
-51520, -208320, -934080, -152320, -1899520, 564480,
1344, -779520, 1189440, 510720, -1397760, -1753920,
79296, -137088, 205632, 2214912, 1991808, -80, -10080,
-168000, 285600, 42000, 31360, -134400, 1142400,
1724800, -1411200, 168000, -1310400, 940800, -1747200,
-2049600, 26880, 430080, 80640, -268800, -1209600,
2560, 21120, -211200, 528000, 332800, -960000, -940800,
1254400, -556800, -1094400, 787200, 1002240, 2753280,
76800, -1497600, 28560, -168000, -781200, 856800,
268800, 3292800, -1612800, 554400, -4132800, -3144960,
4838400, -53760, 1209600, -2822400, -3091200, 4435200,
5644800, -5322240, -336000, 2016000, -1008000,
-2688000, 2016000, 0, 0, 0, 0, 0, 0, 0], [1, -11, 2,
602, -2443, 2121, -5964, -5964, -18, -308, -724, 1904,

5390, 3444, 1056, 6944, 5264, 896, -18928, 4928,
-39872, -51072, -24192, 34048, 272, 1668, -6692, 29484,
53676, 59640, -4760, -59136, -66920, 5712, -60704,
267456, 62272, 25088, 2492, 101388, -143136, 4368,
144200, -548688, 260288, 71568, -143136, -1024, -7024,
35952, -81648, 10416, -448, 127232, -6720, 86016,
-4480, 41216, 21504, 7392, -265440, -201600, 220416,
489216, -447552, 18816, 104832, 48384, -494592, 322560,
1744, 13440, -104496, -109536, -75936, 5824, -28224,
142464, 300160, -155904, 105504, 286272, -551040,
-344064, 841344, -400512, 639744, -64512, 247296,
451584, -1760, 28032, 172128, -33600, 54016, -268800,
-175872, -339968, -472128, 1487232, -1085952, 601344,
-1138176, -1222656, 1198080, 14448, -223440, 370944,
-116928, -7392, 321216, -306432, -286272, 572544,
338688, -677376, -61824, 443520, 32256, -930048,
-290304, 806400, 0, -21504, -741888, 806400, 1569792,
-1612800, 580608, -1741824, 1161216, 0, 0, 0, 0], [1,
-16, -3, 702, -3753, 3996, 891, 3726, 32, -8, 576,
11664, 4320, 10584, -264, -8736, -24336, -52704,
-26568, 4928, -6272, 90048, 68608, -51712, 42, 108,
-9612, 5184, -62694, -43740, 1440, 22464, 64800, 67392,
19296, -39744, -170208, -85632, -108, 3888, 61884,
-18792, -77760, 235872, -114912, 13608, 115344, -624,
-5184, 28512, -53568, -24624, 4032, 32832, -25920,
115776, 80640, 158976, -70656, -10368, -69120, 103680,
-134784, -65664, -222912, 38016, 41472, -72576,
-317952, 311040, 3024, 25920, -33696, 212544, 115344,
5184, -134784, -150336, -483840, 331776, -12096,
-217728, 596160, 141696, -254016, -421632, -20736,
442368, 953856, -953856, -8640, -36288, -50112, 25920,
-134784, 518400, 148608, -27648, 93312, -632448,
684288, 705024, -124416, -1161216, 0, 16848, -95040,
-1296, -178848, 131328, -1102464, 459648, 360288,
-876096, 269568, 1016064, -59904, 460800, -359424,
433152, -129024, 345600, -691200, 228096, -684288,
-414720, 870912, 0, -41472, 1783296, -1741824,
-1658880, 1658880, 0, 0], [1, -23, 32, 1220, -5125,

9855, -3540, -3540, 102, -260, -4240, 5840, -33550,
-32340, 240, -4900, 48800, 18500, 92600, -2800, 2800,
33600, -36000, 1600, -322, -690, 1630, -150, 53100,
56640, 1300, 88320, -89900, 55800, 18400, -151800,
26800, 8000, 1880, -150000, -106200, -15600, -52000,
268800, -179200, 0, -331200, 608, 4616, 33216, 23880,
96000, -8344, -247840, 90840, -381840, -108640,
-395200, 96000, -28176, 471840, -118080, -246000,
-417120, 688320, 54816, -543168, 245952, 1396992,
-519552, 700, -4320, -78300, -204600, -196800, 43600,
-27600, 76800, 397600, -244800, -29400, 378000,
-566400, 465600, 537600, 69600, 1053120, -864000,
-220800, 691200, -10040, -63840, -40200, -6000,
-192800, 602400, -62400, 275200, 289200, -626400,
614400, 656640, 311040, -1747200, 0, 39360, 220800,
590400, 331200, 787200, -220800, 0, -331200, 2361600,
-3778560, 0, -105600, 57600, -532800, -1089600,
1411200, -1468800, 1728000, 373920, -1172160, 714240,
-1800960, -1290240, -1368000, 662400, 0, 1324800,
-4147200, 5644800, 0], [1, -32, 149, 2030, -12649,
11340, -5565, 4830, 192, -1736, -12736, 57680, 15680,
69720, 4920, -1120, 61040, -101920, -186760, 34496,
-183680, -208320, -40320, 125440, -862, 2172, 55972,
-26880, -83790, -88620, -23072, 29568, -818720, -40320,
-260960, 920640, 377440, 264320, 20132, -223440,
1120140, 39480, 660800, -1575840, 697760, -567000,
1023120, 3344, 11456, -164640, -87360, -212016, 34496,
-113344, 590016, 920640, 62720, 1191680, -247296,
-26880, 1091328, -911232, -29568, 1529472, 1528128,
-134400, 32256, -370944, -1817088, -2354688, -10352,
-80640, 151200, 228480, 431760, -53312, 658560,
1001280, 931840, -887040, 114240, -2298240, 409920,
-631680, -3635520, 1005312, -1478400, -1064448,
-1706880, -725760, 20416, 249792, 408000, 557760,
62080, -188160, -1764480, -2662400, -274560, 2471040,
-3843840, -3511296, -1492992, 4992000, 2488320, -1680,
-288960, -932400, -1340640, 510720, -3158400, 362880,
-292320, -5181120, 5241600, 5080320, -150528, -322560,

-1128960, -4139520, 806400, -483840, 5419008, 672000,
-161280, 1854720, 9085440, 11773440, -2741760, 4032000,
2903040, 10241280, 4354560, -16128000, -17418240], [1,
-43, 402, 2250, -35595, 84105, -11340, -11340, 302,
-5300, -8820, 267120, -299250, -313740, 16800, -87360,
-25200, -1260000, 882000, 271040, -1736000, 3561600,
1388800, -1254400, -1632, 14580, 162540, -1001700,
283500, 294840, -107640, 0, 718200, 4006800, -1764000,
8164800, -5745600, -5107200, 102060, 963900, -1360800,
-1134000, 2154600, -5216400, 907200, 680400, -1360800,
8448, -24624, -789264, 1890000, 771120, 354816, 0,
3265920, -4475520, 5040000, -13789440, 2472960,
-344736, -4445280, -1088640, -7983360, 3628800,
-7076160, 72576, 3048192, 870912, 2322432, 12192768,
-38160, -80640, 2646000, -1360800, -1360800, -1068480,
1915200, -11491200, -11289600, 8870400, 151200,
6350400, 1814400, 4838400, 12700800, 1330560, -7983360,
10644480, -3628800, 7257600, 142560, 881280, -5637600,
-2462400, 3110400, -10368000, 10886400, 14515200,
1425600, -8553600, 11404800, -7464960, 14929920,
26956800, -24883200, -408240, -3855600, 5443200,
4536000, -8618400, 20865600, -3628800, -8164800,
16329600, 28304640, -50803200, 766080, 9878400,
2419200, 17740800, -8064000, 31449600, -54190080,
-362880, -15240960, -4354560, -11612160, -60963840,
-3628800, 21772800, -29030400, 21772800, -43545600,
-87091200, 174182400], [1, 0, 77, 126, -441, -8820,
-19845, 13230, -112, -280, 1344, 35280, 105840,
-123480, 2184, -18816, -129360, 141120, 17640, 25088,
188160, 313600, -62720, 501760, 154, -4788, -33516,
-70560, 251370, -26460, 10752, 98784, -705600, -776160,
-117600, -282240, -1340640, -501760, 29988, 529200,
1190700, 52920, 141120, 3598560, 1622880, -1746360,
-2222640, 2128, 24192, 42336, -112896, 571536, -94080,
0, -169344, 1128960, -75264, -2709504, -1781248,
-254016, -1354752, -2286144, 2032128, 2370816, 1778112,
677376, 2032128, -2032128, 1354752, -2032128, -9072,
14112, 141120, -1058400, -317520, 169344, 1128960,

1975680, 0, 0, -564480, -2116800, 2963520, -6209280,
2963520, -903168, 2032128, 2935296, 1693440, -3386880,
-4608, -169344, 725760, -120960, -80640, -483840,
-725760, 3548160, 1451520, -2177280, -5806080,
-3773952, 3193344, 1935360, 1244160, 49392, -423360,
317520, -211680, -564480, -846720, 1975680, 3175200,
1270080, -3048192, -1693440, 112896, 0, 564480,
-1128960, -1128960, 1128960, 451584, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0], [1, -3, 47, -225, -1845, -4905,
29565, -8235, -88, 200, 4080, 22320, -70200, -11160,
600, -22560, -22800, 93600, 19800, 26240, 57600,
-272000, 25600, -128000, 118, -3870, -8460, 63900,
-58050, 11610, 8160, 7200, -208800, 468000, -74400,
-187200, 439200, -236800, 17460, 148500, -24300,
-207900, 223200, 280800, 266400, -599400, 81000, 1648,
12096, -9504, 158400, -395280, -50304, 86400, 846720,
-443520, -153600, 1244160, 834560, -150336, -1054080,
-699840, 311040, -2937600, 1995840, 418176, -269568,
1544832, -1963008, 269568, -7560, -1440, -219600,
-280800, 372600, 155520, 403200, -1584000, 0, 0, -7200,
2289600, 410400, -403200, -1144800, -599040, 829440,
1428480, -691200, -691200, 5760, 17280, 259200,
1123200, -288000, -1728000, 518400, 230400, 518400,
-1555200, 1036800, 829440, -1658880, 691200, 0, 16560,
10800, -421200, -723600, 144000, 604800, -2448000,
-324000, 2397600, 311040, 432000, -11520, 345600,
288000, 460800, 1843200, -2188800, -737280, -155520,
-311040, -1088640, 1244160, 311040, 0, 0, 0, 0, 0, 0,
0], [1, -6, 53, -90, 315, 630, -8505, 1890, -82, 50,
-420, 1260, 28350, 14490, 1500, -5460, -39900, -81900,
25200, 6440, 58800, -35000, -56000, -114800, 244,
-1980, -2520, -25200, 18900, -3780, 1680, 73080,
126000, -163800, -79800, 277200, 239400, 274400, -2520,
-37800, 0, 75600, -138600, -869400, -630000, 226800,
226800, 808, 9072, 10584, -70560, 45360, -48216,
-37800, 52920, -133560, 134400, -30240, 378560, -13608,
-166320, 204120, 90720, 393120, 90720, 178416, 426384,
36288, -296352, -344736, -7020, -6300, 69300, 132300,

-113400, 98280, -277200, 743400, -226800, 226800,
25200, -302400, -529200, 504000, 151200, -564480,
-1360800, -1068480, 831600, 604800, 12240, -79920,
-32400, -140400, -28800, -367200, -453600, -482400,
518400, 1749600, 1814400, -375840, 90720, -669600,
-777600, 25200, 75600, -226800, 378000, 100800, 151200,
-352800, -907200, -907200, 1360800, 302400, -50400,
302400, -403200, 352800, -252000, -957600, 1008000,
-136080, 136080, 272160, 272160, -544320, 0, 0, 0, 0,
0, 0, 0], [1, -10, 33, -330, -165, 2970, 2475, -990,
-46, 550, 1980, -3300, -31350, -2970, -660, -11220,
29700, 95700, -26400, 13640, -57200, 6600, 8800,
110000, 132, -1980, 7920, 19800, -29700, 5940, 3960,
-7920, -19800, 39600, -19800, 39600, -178200, 26400,
-3960, -59400, -118800, 0, 59400, -59400, 39600,
118800, 118800, 528, 0, -26136, -7920, 35640, -7128,
99000, -249480, 138600, -15840, -348480, -464640, 2376,
150480, 487080, -142560, 681120, -332640, 30096, 23760,
-408672, 611424, -256608, -4620, 660, -49500, 128700,
19800, 48840, -92400, -336600, 92400, -92400, 118800,
475200, -118800, 0, -237600, -427680, -380160, 380160,
39600, 316800, 15840, 47520, 158400, -237600, -237600,
237600, 316800, 79200, -237600, -950400, -475200,
617760, 427680, 237600, 0, -23760, -39600, -118800,
-118800, 396000, 1108800, 1029600, -475200, -475200,
-807840, -475200, -31680, -158400, 237600, -396000,
-1029600, 1188000, 190080, 71280, -356400, 332640,
-902880, 855360, 302400, 302400, -604800, 0, 0, 0, 0],
[1, -16, 33, -330, 1815, 9900, -27225, 4950, 8, 880, 0,
-29040, -6600, 79200, -2640, 2640, 118800, -92400,
-26400, 1760, -123200, 26400, 88000, -140800, -66,
-1980, 9900, -39600, 103950, -29700, 7920, -55440,
-39600, -198000, 0, -79200, 237600, -369600, 1980,
118800, 29700, 59400, 158400, 712800, 475200, -415800,
-356400, 528, -3168, 9504, -47520, 23760, 9504, 47520,
237600, -142560, -63360, 696960, 675840, -66528,
-126720, -237600, -285120, -1488960, 760320, 69696,
-38016, 209088, -582912, 342144, -2640, 2640, 39600,

277200, -158400, 5280, -369600, 79200, 211200, 105600,
79200, -237600, 0, 158400, 0, -63360, -570240, -506880,
158400, 316800, 15840, 47520, 79200, -712800, -158400,
950400, 158400, 0, -475200, -475200, -950400, 380160,
1140480, 0, 0, -63360, -316800, -950400, 950400,
633600, -2534400, -1900800, 1900800, 1900800, 380160,
0, 126720, 633600, 1900800, -1267200, 1267200,
-1900800, -760320, 0, 0, -1900800, 1900800, 0, -172800,
864000, 2419200, -950400, -1900800, 0, 0], [1, -11, 83,
35, 1715, 3255, 9345, -13335, -72, -200, -4720, -16240,
-15400, 110040, 3000, 19040, 47600, -162400, -65800,
-31360, 44800, 336000, 0, 179200, 434, -330, 2380,
-56700, -217350, 110670, -12320, 43680, 364000,
-184800, -72800, -772800, -173600, -313600, 980,
-48300, 598500, 2100, 106400, 621600, 980000, -214200,
-592200, -592, 7232, 45024, 181440, -425040, -36736,
-380800, 174720, 13440, 358400, -394240, -752640,
98112, -174720, 342720, 510720, 779520, -665280, 18816,
-112896, 701568, -494592, -112896, -4520, -16800,
58800, 688800, -71400, 138880, -403200, -873600,
179200, -1075200, -184800, -1310400, -823200, 672000,
823200, 107520, 1075200, 2257920, 537600, 1612800,
19840, -117120, -758400, 873600, 275200, 1804800,
902400, 793600, 134400, -1094400, -4569600, -829440,
-3502080, -1305600, 3686400, 8400, 411600, -1234800,
-126000, -739200, 67200, 1411200, 856800, 2368800,
1209600, -4233600, -134400, 806400, -403200, -1075200,
0, 806400, 0, -94080, 564480, -282240, -752640, 564480,
0, 0, 0, 0, 0, 0, 0], [1, -14, 77, -154, 539, -3234,
-1617, 3234, -42, 154, -1540, 2156, 18326, -22638, 924,
2156, -10780, -36652, 8624, -4312, 43120, 12936, 0,
-8624, 308, -924, 4312, 0, 58212, -32340, -4928, 12936,
-34496, 142296, -21560, -181104, 30184, -120736, -4312,
-64680, -155232, -25872, 125048, 219912, 267344, 77616,
77616, -616, 1232, -12936, 0, 51744, -4312, -30184,
90552, 12936, 34496, 189728, 103488, 90552, 336336,
-426888, -51744, -569184, -465696, -129360, -388080, 0,
-258720, 776160, -2156, 6468, 32340, -239316, 64680,

30184, -25872, -142296, -8624, -129360, -129360,
310464, 439824, 103488, -362208, 103488, 879648,
310464, -25872, -620928, 15664, -40656, -48048, -85008,
24640, 317856, -229152, 268576, -192192, 110880,
-650496, 332640, 421344, -879648, 316800, -25872,
129360, 543312, -77616, -206976, -672672, -465696,
-310464, -310464, 465696, 931392, -51744, -310464,
310464, 51744, 1086624, 776160, -1862784, 181104,
-388080, -155232, 51744, 310464, 169344, -508032,
338688, 0, 0, 0, 0], [1, -19, 87, -249, 699, -2889,
7173, -2691, 8, 424, -720, 1776, 4776, -11448, -1416,
-1824, 2160, 31008, 18744, 7808, -32000, -57984, 4480,
-41344, 78, -1494, 3492, -4500, -45738, 27810, 5472,
-6624, -74016, -75744, 7200, 196416, -33696, 79104,
-8172, 23220, 262548, -7452, -54432, -40608, -203616,
-38664, -161784, -336, -1728, -16416, 54720, -27216,
10368, 49536, -114048, -42624, -59904, 50688, 150528,
32832, 26496, -19008, 20736, 205056, -133056, -92160,
-138240, 138240, 92160, 0, 24, 22368, 39600, -65376,
-32040, -57216, 92928, 468864, -9984, 341760, -90720,
-893376, -120096, -421632, 762912, 235008, 511488,
-746496, 263808, -263808, 8064, -38016, -102528,
335232, 0, -221184, -18432, -267264, 200448, 241920,
774144, 138240, -746496, -304128, 0, -47952, -35280,
104112, -87696, 180864, -427392, -291456, 284256,
517536, -463104, 266112, 101376, 9216, -884736,
-101376, -562176, 552960, 884736, 82944, 829440,
304128, 774144, -1990656, -470016, 27648, 442368,
-518400, 518400, 0, 0], [1, -26, 143, -130, 2015,
-5850, -975, 1950, 78, 130, -5200, -11440, 39650, 1950,
-2340, 24440, 33800, -153400, -16900, -19240, -57200,
179400, 0, 83200, -286, -780, 5200, 3900, 40950,
-31200, 12220, -56940, 16900, 175500, 52000, 202800,
-10400, 88400, -4420, 85800, -222300, -15600, -145600,
-577200, -254800, 70200, 327600, 728, 1352, 25584,
20280, -76440, -13936, -64480, 202800, 99840, 47840,
-463840, -524160, -62088, -361920, -257400, 106080,
287040, 720720, 158496, 172224, 63648, 182208, -576576,

-1040, 6240, -23400, -202800, 132600, -21320, -15600,
-475800, 83200, -686400, 109200, 842400, 312000,
296400, -780000, -180960, 680160, 1422720, -249600,
-187200, 3640, -67080, -241800, 226200, 145600, 62400,
-249600, -416000, 202800, 982800, 873600, -224640,
-673920, -624000, 0, -40560, 109200, 795600, -327600,
-62400, 873600, 2059200, -655200, -1591200, -1160640,
0, 237120, 561600, -187200, -499200, 1123200, -1684800,
449280, -624000, -1872000, 187200, 436800, 1872000,
187200, -936000, -4492800, 1497600, 1123200, 2016000,
0], [1, -35, 287, -49, 539, -28665, 49245, -8715, 168,
-1400, -11536, 27440, 197960, -217560, 504, 67424,
-207760, -243040, 209720, -68992, 313600, 94080, 0,
-250880, -826, 4242, 21364, 120540, -480690, 133770,
-1568, -230496, 54880, 635040, 196000, -611520,
-603680, -689920, 22148, -73500, 114660, -85260,
368480, 682080, 1544480, -370440, -194040, 3248, -448,
-51744, -442176, 548016, -31360, 533120, -357504,
-470400, -200704, 551936, 1354752, -159936, 244608,
1665216, -1166592, 489216, 366912, 301056, 903168,
-903168, 602112, -903168, -10472, -32928, -35280,
823200, -346920, 106624, -940800, 1223040, -250880,
1505280, 729120, 1270080, -1575840, 2069760, -1246560,
-1655808, -6623232, -4967424, 752640, 2257920, 26752,
99456, 336000, -470400, -35840, 2472960, -215040,
1899520, -2123520, -6048000, -6021120, 1548288,
4644864, 1397760, 1244160, -68208, -11760, 458640,
35280, -658560, -5174400, -5362560, 2610720, 4163040,
1467648, 2540160, 301056, 0, -4515840, 1505280, 0, 0,
2709504, -1505280, -4515840, 4515840, -3010560,
4515840, 4515840, 18063360, 13547520, -4515840,
-13547520, -4515840, -8709120], [1, -20, 173, -370,
455, 4200, 3675, -1050, -36, -380, -2200, -8680,
-46900, -14700, 3360, 19040, 72800, 140000, -78400,
-51520, -156800, 33600, 0, -224000, 542, -1140, 7420,
0, -47250, 10500, -26000, -62160, 36400, 193200,
179200, -168000, -123200, 694400, 46340, 84000, 31500,
-54600, 30800, 92400, -985600, -441000, -25200, -2392,

10400, 29904, 90720, 111720, 19712, -219520, -672000,
497280, 439040, 8960, 376320, -65184, -356160, -292320,
-940800, 53760, 1784160, 18816, 1048320, -749952,
666624, -983808, 3760, -36960, -168000, 84000, 42000,
159040, 604800, -571200, -224000, 1747200, -336000,
504000, 235200, -1142400, 369600, 349440, -618240,
-2096640, -672000, -806400, 11200, 12480, 62400,
-552000, -243200, 768000, -307200, -1971200, 393600,
-316800, 3724800, -1036800, 1681920, 2841600, -2534400,
-52080, 336000, 126000, -352800, -1041600, 369600,
-403200, 1764000, 100800, -2056320, 1209600, -13440,
-403200, 1411200, 1344000, -2419200, -2822400, 2903040,
268800, -1612800, 806400, 2150400, -1612800, 0, 0, 0,
0, 0, 0, 0], [1, -24, 197, -594, -441, 756, -6237,
1134, 8, -256, 1200, 12096, 9576, 24192, 744, -4704,
-58800, -54432, 45864, 4928, 94080, -10304, -35840,
103936, 298, -1764, 2772, 0, 48762, -11340, -6528,
2016, 8064, -199584, 3360, 92736, -22176, -9856, 14868,
15120, -179172, 58968, 86688, 84672, -22176, -131544,
27216, -1856, 6912, -12096, -120960, -72576, 22848,
133056, 447552, -350784, -155904, -145152, -351232,
-36288, -169344, 689472, -653184, 314496, 653184,
-120960, 0, 362880, 483840, -725760, 5904, -4032,
-30240, 108864, -45360, -52416, -185472, 229824, 32256,
-645120, -60480, 653184, -254016, 459648, -399168,
822528, -1596672, 774144, -870912, 870912, -6336,
-29376, 412992, 171072, 5760, -877824, 597888, 285696,
79488, -1088640, -297216, -207360, -539136, 1492992, 0,
-29232, 60480, -716688, 381024, 88704, 338688, 1056384,
526176, -108864, -290304, -1306368, 112896, -290304,
-596736, 1096704, 129024, -1290240, 838656, 48384,
725760, -870912, -1645056, 1741824, -677376, 2032128,
-1354752, 0, 0, 0, 0], [1, -30, 263, -810, -225, 5130,
2025, -810, 74, -610, 1920, 8640, -45450, -13230,
-1020, -4200, -28200, 124200, -49500, 16520, 25200,
-93800, 25600, 1600, -98, -900, 720, -24300, -44550,
12960, 11940, 20700, 171900, 137700, -85200, -198000,
234000, -269200, -19260, 5400, 89100, -32400, -57600,

-378000, 428400, 113400, 97200, -512, 5400, 7344,
50760, 129600, -14448, -51840, -403920, 315360, 23520,
237600, 212480, 30456, -280800, -463320, 790560,
-561600, -213840, -22464, 622080, -508032, -547776,
456192, 5040, 720, -59400, 194400, -16200, -75960,
39600, -297000, -100800, -144000, 75600, 0, -129600,
961200, -453600, 358560, -220320, -138240, -388800,
388800, -21240, -83160, 102600, -631800, 316800,
216000, -734400, 835200, 205200, 1263600, -1468800,
-1762560, 1762560, 0, 0, 36000, 313200, -518400,
-97200, -288000, 820800, -1108800, -1036800, 194400,
1684800, 0, 79200, -345600, 1735200, -316800, 806400,
-460800, -1497600, -449280, 259200, 855360, -1753920,
1088640, 43200, -2462400, 2419200, 2332800, -2332800,
0, 0], [1, -38, 407, -1210, -385, 6930, -15015, 2310,
162, -2090, 1760, 12320, -50050, 71610, 660, 21560,
-15400, 77000, 7700, -33880, -30800, 46200, 0, -123200,
-682, 4620, 6160, -23100, 173250, -36960, 9460,
-106260, -7700, -485100, 154000, -92400, -400400,
215600, -29260, 46200, -346500, 92400, -246400,
1201200, -154000, 415800, -277200, 2288, -3784, 3696,
-9240, -240240, -57904, -98560, 240240, -258720, 86240,
-283360, 295680, 134904, 480480, 1025640, 702240,
960960, -2273040, 59136, -620928, 487872, -547008,
620928, -4400, -18480, -138600, -184800, 46200, 163240,
831600, 46200, -123200, 1478400, -92400, 0, 369600,
-2864400, 1293600, -924000, -258720, -887040, 369600,
-1108800, -5720, 17160, 561000, 561000, -70400,
-1320000, 1636800, -387200, -250800, -2494800, 528000,
760320, -2280960, 2745600, 0, 73920, 462000, -554400,
277200, -739200, 369600, -1108800, -1108800, -554400,
2882880, 0, -184800, -2217600, -554400, 739200,
-4435200, 6652800, 0, -295680, 3104640, -2439360,
2735040, -3104640, 2520000, 705600, 2419200, -2217600,
6652800, -8870400, 0], [1, -48, 677, -2610, -3465,
16380, 2835, -1890, 272, -5560, 14880, 85680, -126000,
-42840, 9240, 3360, -411600, 252000, -37800, -51520,
604800, -459200, -291200, 448000, -1502, 20700, -6300,

-201600, -103950, 49140, -52320, -221760, 957600,
504000, 487200, -1310400, 1260000, 1232000, 54180,
226800, 737100, -189000, -403200, -453600, -2066400,
-567000, -226800, 7408, -57024, -139104, 221760,
408240, 79296, 1028160, -60480, 141120, -1155840,
1693440, -1953280, -72576, 0, -3628800, -362880,
-4717440, 2358720, -48384, -2032128, 145152, -96768,
2032128, -30960, 80640, 554400, 604800, -226800,
100800, -1814400, -1310400, 1612800, -4435200, -100800,
-4233600, 302400, -201600, 2116800, -887040, 7983360,
8870400, 3024000, 1209600, 100800, 146880, -475200,
-2030400, -892800, -172800, -1987200, -3225600,
-950400, 8553600, 9504000, 6220800, 2488320, -8985600,
-4147200, -216720, -907200, -2948400, 756000, 1612800,
1814400, 8265600, 6804000, 2721600, -9434880, -8467200,
161280, 0, 8064000, 806400, 10483200, -10483200,
-9031680, 241920, 10160640, -725760, 483840, -10160640,
2419200, -21772800, -24192000, -18144000, -7257600,
29030400, 29030400], [1, -60, 1133, -6930, -3465,
110880, -155925, 20790, 404, -12100, 77880, 138600,
-1316700, 928620, 29040, -258720, -739200, 3880800,
-831600, 271040, 739200, -2340800, 246400, -492800,
-2618, 57420, -180180, -1108800, 3014550, -540540,
-240240, 942480, 6930000, -9702000, -1478400, -5544000,
1108800, -3203200, 401940, 0, -8108100, 2079000,
1940400, 2494800, 7761600, -1247400, 2494800, 15928,
-237600, 33264, 4546080, -4241160, 857472, 0,
-17297280, 4435200, 2069760, 2661120, 5519360,
-2195424, -5987520, 18960480, -7983360, 15966720,
12972960, 2128896, 7983360, -1596672, 13837824,
-22353408, -87120, 776160, 2217600, -11642400, 2494800,
-2439360, -6652800, 21067200, -4435200, 8870400,
4435200, 16632000, -3326400, 28828800, -23284800,
-6209280, -7983360, -49674240, 6652800, -13305600,
411840, -1615680, -11880000, 16632000, 5068800,
19008000, -3801600, 16473600, -6652800, -8553600,
-53222400, 13685760, -27371520, -49420800, 45619200,
-1607760, 0, 32432400, -8316000, -7761600, -9979200,

-31046400, 14968800, -29937600, -51891840, 93139200,
4878720, 13305600, -42134400, 17740800, -35481600,
-57657600, 99348480, -10644480, -39916800, 7983360,
-69189120, 111767040, 16934400, 21772800, 135475200,
-39916800, 79833600, 159667200, -319334400], [1, -28,
357, -1890, 6615, 0, 33075, 66150, -28, -980, 2520,
-52920, -132300, -396900, 6720, 23520, 352800, 1058400,
1058400, -172480, -1097600, -2587200, 1254400, 1568000,
798, -3780, 26460, 0, -198450, -1190700, -65520,
-105840, -529200, 1587600, 1411200, 2116800, -2116800,
-3292800, 185220, 0, 1190700, 5556600, -3704400,
-4762800, 4233600, 2381400, -4762800, -4872, 42336,
-63504, 635040, 1746360, 112896, -846720, -5080320,
-7620480, 564480, 11854080, -4139520, -889056, 1270080,
-5715360, 5080320, 10160640, -1905120, 1524096,
3048192, 10668672, -12192768, -3048192, 15120, -211680,
0, -1058400, 2646000, 423360, 4233600, 6350400,
-8467200, -8467200, 0, -6350400, -19051200, 12700800,
6350400, -5080320, -5080320, 10160640, 8467200,
16934400, -8640, 544320, -907200, -4536000, -2419200,
0, 14515200, 4838400, 5443200, 16329600, -21772800,
-4354560, -30481920, -14515200, 18662400, -105840, 0,
4762800, -3175200, 2116800, -19051200, 8467200,
-9525600, 19051200, 22861440, -25401600, 282240,
-2822400, 4233600, 5644800, -5644800, -8467200,
6773760, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0], [1, -31,
393, -2295, 6615, -8505, -945, -16065, 8, -1040, 7920,
-30240, 37800, 45360, 4020, -11760, 88200, -75600,
-132300, -51520, -156800, 33600, 246400, 22400, 564,
-3780, 15120, 0, 56700, 306180, -37440, 30240, -302400,
-453600, 579600, 756000, 831600, -1276800, 117180,
-170100, 170100, -1417500, -1663200, 0, 831600,
1360800, 1360800, -4152, 37152, -117936, 90720,
-294840, 88704, -120960, 362880, 1088640, -645120,
-483840, 376320, -671328, 1270080, 816480, 2903040,
-2903040, -3538080, 979776, -1524096, -1415232,
-870912, 2830464, 16740, -166320, 340200, -378000,
-812700, 60480, 604800, 907200, -1209600, -1209600,

680400, -2268000, 4762800, 1814400, -2494800, -2903040,
1451520, 1451520, 3024000, -3024000, -34560, 466560,
-518400, 1296000, -1123200, -1555200, -3369600,
3801600, 1555200, 0, -1555200, 1244160, 4976640,
-5184000, 0, -15120, -680400, 680400, 1587600, 3024000,
0, -1512000, -5443200, -5443200, 3265920, 4536000,
282240, -403200, -3024000, -1612800, 6451200, 6048000,
-7741440, -544320, 3265920, -1632960, -4354560,
3265920, 0, 0, 0, 0, 0, 0, 0], [1, -36, 473, -2970,
8415, -11880, 4455, 8910, 68, -1540, 14520, -35640,
69300, -5940, 1320, -36960, 13200, -237600, -19800,
49280, 211200, 457600, -281600, -281600, 154, -1980,
-1980, 0, -44550, -196020, -2640, 134640, 39600,
356400, -290400, -792000, -554400, 915200, 21780,
-237600, 89100, 891000, 514800, 594000, -554400,
-178200, -1069200, -2552, 28512, -109296, 47520,
-35640, 14784, 95040, 665280, 95040, -337920, -1520640,
619520, -256608, 665280, -997920, 570240, 1330560,
-427680, 418176, -1368576, 114048, 1064448, -228096,
15840, -126720, 475200, 0, 712800, -126720, -1267200,
-1900800, 2534400, 2534400, 950400, 0, -2851200,
-3801600, 2851200, -1520640, 4561920, -3041280, 0, 0,
-63360, 380160, -950400, 0, 316800, 1900800, 950400,
-2534400, -1900800, 0, 1900800, 2280960, -2280960, 0,
0, 150480, -950400, 356400, -2138400, 792000, 2376000,
-1584000, 712800, 4276800, -3991680, 0, -63360,
1900800, 1584000, -5068800, -5068800, 3168000, 3548160,
-760320, -1140480, 3421440, 5322240, -6842880, 1728000,
-5184000, 3456000, 0, 0, 0, 0], [1, -43, 627, -4125,
13035, -15345, 11385, -8415, 152, -3080, 23760, -81840,
46200, -75240, 1320, -36960, 198000, 132000, 165000,
49280, -281600, -528000, 88000, 334400, -462, 4950,
-29700, 69300, -44550, 198990, 15840, 79200, -237600,
79200, -475200, 316800, 0, 422400, -61380, -29700,
89100, -980100, 1346400, -237600, -554400, -1009800,
1009800, 528, 6336, -9504, 158400, 213840, -88704,
-126720, -1330560, -1013760, 1140480, 2914560,
-1351680, 342144, 0, 0, -3421440, 0, 2566080, -247104,

1026432, 1311552, -1064448, -1026432, 6600, -89760,
198000, -554400, -811800, 168960, 211200, 2534400,
-1161600, -2640000, -158400, 0, 3801600, 633600,
-2138400, -633600, -3421440, 4055040, 1108800,
-1108800, -63360, 380160, -950400, 0, 316800, 1900800,
950400, -2534400, -1900800, 0, 1900800, 2280960,
-2280960, 0, 0, 316800, -950400, 2851200, 2851200,
-2534400, -7603200, 5068800, 5702400, -5702400, 0, 0,
-950400, 1900800, -2851200, 3801600, 3801600, -5702400,
0, 1235520, -5132160, -6557760, 5322240, 5132160,
1728000, 9331200, -11059200, -6652800, 6652800, 0, 0],
[1, -52, 897, -6474, 21567, -32760, 4095, 8190, 260,
-6500, 47736, -155064, 223860, 81900, 7800, -61152,
327600, -567840, -316680, -23296, -465920, 698880,
407680, -232960, -1326, 22932, -108108, 262080, -73710,
-245700, -24336, 13104, -982800, -458640, 393120,
2882880, 1179360, -2446080, -42588, 393120, 147420,
1474200, -720720, -2162160, 1441440, 98280, -982800,
5928, -63648, 196560, -445536, -530712, -52416, 262080,
2044224, 2568384, 0, -4612608, 1537536, 707616,
-1415232, 2122848, -2830464, -2830464, 2122848,
-1257984, 0, -3773952, 5031936, 0, -19968, 87360,
-262080, 262080, 1310400, 594048, 349440, -524160,
-3494400, 349440, -2620800, 0, -7862400, 10483200, 0,
4612608, 0, -4612608, -524160, 5241600, 29952, 224640,
449280, 2021760, -2171520, -4942080, -6514560, 9285120,
4942080, 0, -4942080, -1078272, 10782720, -8087040, 0,
170352, -1572480, -589680, -5896800, 2882880, 8648640,
-5765760, -1179360, 11793600, -8491392, 0, -1572480,
3144960, -4717440, 6289920, 6289920, -9434880, 0,
6289920, 0, 18869760, -25159680, 0, -12579840, 0,
12579840, 3144960, -31449600, 26127360, 0], [1, -63,
1337, -11655, 41895, -63945, 59535, -16065, 392,
-12880, 119280, -352800, 441000, -458640, 25620,
-294000, 558600, -882000, 926100, 109760, 470400,
1019200, -627200, -627200, -2492, 61740, -388080,
705600, -926100, 502740, -194880, 1199520, -705600,
4586400, 411600, -3880800, -6526800, 2038400, 273420,

-396900, 396900, -3307500, -3880800, 0, 1940400,
3175200, 3175200, 14728, -260064, 994896, -1199520,
2063880, 583296, -846720, 846720, -7056000, -4139520,
0, 1379840, -889056, -3810240, -8255520, 20321280,
20321280, -8255520, -592704, 5588352, 9398592,
-8805888, -5588352, -76860, 882000, -1675800, 2646000,
-2778300, -987840, -4233600, -9172800, 11289600,
11289600, -1234800, 11642400, 19580400, -18345600,
-5821200, 12418560, 0, -12418560, -16934400, -16934400,
334080, -2056320, 1209600, -7862400, -1411200,
13305600, 22377600, -10483200, 13305600, 0, -13305600,
-34836480, -34836480, 31449600, 11404800, -1093680,
1587600, -1587600, 13230000, 15523200, 0, -7761600,
-38102400, -38102400, 33022080, 23284800, 1975680,
8467200, 18345600, -45158400, -45158400, 36691200,
24837120, 2963520, -27941760, -46992960, 44029440,
27941760, -33868800, 0, 33868800, 101606400, 101606400,
-101606400, -79833600], [1, -76, 2013, -22770, 107415,
-166320, 10395, 20790, 548, -23540, 304920, -1302840,
1178100, 540540, 60720, -1145760, 4435200, -554400,
-1940400, 1158080, -4188800, -4804800, 246400, 3449600,
-4026, 136620, -1288980, 3326400, -311850, -873180,
-609840, 7817040, -14137200, -10810800, -8870400,
3326400, 23284800, 9609600, 1288980, -9979200, 1871100,
8731800, 14137200, 32432400, -23284800, -1247400,
-17463600, 28248, -731808, 4690224, -5654880, -3243240,
2749824, -21288960, 3991680, 18627840, 15079680,
34594560, -16558080, -9380448, 33929280, 38918880,
-7983360, -111767040, -38918880, 12773376, -4790016,
-33530112, -41513472, 67060224, -182160, 3437280,
-13305600, 1663200, 5821200, -10422720, 37699200,
43243200, -4435200, -62092800, 26611200, -9979200,
-69854400, -86486400, 69854400, -45239040, -103783680,
149022720, 6652800, 93139200, 1045440, -13400640,
24235200, 18532800, 30412800, -11404800, -79833600,
-49420800, -48470400, -111196800, 159667200, 13685760,
191600640, 148262400, -136857600, -5155920, 39916800,
-7484400, -34927200, -56548800, -129729600, 93139200,

14968800, 209563200, 155675520, -279417600, 20845440,
-75398400, -86486400, 17740800, 248371200, 172972800,
-298045440, -63866880, 23950080, 167650560, 207567360,
-335301120, 123379200, 283046400, -406425600,
-39916800, -558835200, -479001600, 958003200], [1, -91,
3003, -45045, 315315, -945945, 945945, -135135, 728,
-40040, 720720, -5045040, 12612600, -7567560, 120120,
-3363360, 25225200, -50450400, 12612600, 4484480,
-44844800, 67267200, 22422400, -22422400, -6006,
270270, -3783780, 18918900, -28378350, 5675670,
-1441440, 30270240, -151351200, 151351200, -50450400,
302702400, -151351200, -134534400, 3783780, -56756700,
170270100, -56756700, 151351200, -454053600, 151351200,
-113513400, 113513400, 48048, -1729728, 18162144,
-60540480, 45405360, 8072064, -121080960, 363242880,
-121080960, 161441280, -484323840, 107627520,
-36324288, 363242880, -544864320, -726485760,
726485760, 544864320, 72648576, -435891456, 217945728,
581188608, -435891456, -360360, 10090080, -75675600,
151351200, -37837800, -40360320, 403603200, -605404800,
-403603200, 403603200, 151351200, -908107200,
454053600, 1210809600, -454053600, -484323840,
1452971520, -968647680, 605404800, -605404800, 2471040,
-51891840, 259459200, -259459200, 172972800,
-1037836800, 518918400, 691891200, -518918400,
1556755200, -1037836800, 1245404160, -1245404160,
-2075673600, 889574400, -15135120, 227026800,
-681080400, 227026800, -605404800, 1816214400,
-605404800, 1362160800, -1362160800, -2179457280,
1816214400, 80720640, -807206400, 1210809600,
1614412800, -1614412800, -2421619200, 1937295360,
-363242880, 2179457280, -1089728640, -2905943040,
2179457280, 1320883200, -3962649600, 2641766400,
-3632428800, 3632428800, 6706022400, -6227020800]]

=====

===== n=15 =====

[[1, 210, 16380, 600600, 10810800, 90810720, 302702400,

259459200, 3640, 480480, 21621600, 403603200,
3027024000, 7264857600, 2421619200, 3203200, 230630400,
4843238400, 32288256000, 48432384000, 717516800,
21525504000, 129153024000, 86102016000, 28700672000,
172204032000, 45921075200, 65520, 7207200, 259459200,
3632428800, 18162144000, 21794572800, 86486400,
4843238400, 72648576000, 290594304000, 145297152000,
19372953600, 387459072000, 1162377216000, 516612096000,
1033224192000, 518918400, 21794572800, 217945728000,
435891456000, 145297152000, 1743565824000,
1743565824000, 2324754432000, 290594304000,
1743565824000, 2324754432000, 1153152, 103783680,
2905943040, 29059430400, 87178291200, 34871316480,
1107025920, 46495088640, 464950886400, 929901772800,
154983628800, 1859803545600, 1859803545600,
1653158707200, 11623772160, 348713164800,
2092278988800, 1394852659200, 1859803545600,
11158821273600, 7439214182400, 4184557977600,
8369115955200, 55794106368, 1115882127360,
3347646382080, 4463528509440, 8927057018880,
13390585528320, 7141645615104, 19219200, 1383782400,
29059430400, 193729536000, 290594304000, 12915302400,
387459072000, 2324754432000, 1549836288000,
1033224192000, 6199345152000, 2755264512000,
116237721600, 2324754432000, 6974263296000,
9299017728000, 18598035456000, 13948526592000,
929901772800, 11158821273600, 11158821273600,
29756856729600, 44635285094400, 3099672576000,
18598035456000, 24797380608000, 296524800, 16605388800,
249080832000, 996323328000, 498161664000, 132843110400,
2656862208000, 7970586624000, 5313724416000,
10627448832000, 996323328000, 11955879936000,
11955879936000, 31882346496000, 23911759872000,
6376469299200, 38258815795200, 51011754393600,
31882346496000, 63764692992000, 54655451136000,
4151347200, 174356582400, 1743565824000, 3487131648000,
1162377216000, 13948526592000, 13948526592000,
18598035456000, 6974263296000, 41845579776000,

55794106368000, 33476463820800, 66952927641600,
111588212736000, 191294078976000, 51661209600,
1549836288000, 9299017728000, 6199345152000,
8265793536000, 49594761216000, 33063174144000,
37196070912000, 74392141824000, 119027426918400,
198379044864000, 557941063680, 11158821273600,
33476463820800, 44635285094400, 89270570188800,
133905855283200, 214249368453120, 5072191488000,
60866297856000, 60866297856000, 162310127616000,
243465191424000, 37196070912000, 223176425472000,
297568567296000, 206009008128000, 412018016256000,
765176315904000, 1428329123020800], [1, 181, 11856,
351780, 4839120, 28108080, 51891840, 8648640, 2886,
314600, 11171160, 152792640, 727927200, 743783040,
-86486400, 1876160, 103234560, 1499097600, 5535129600,
1614412800, 271631360, 5176371200, 13222809600,
-3075072000, 4920115200, 5740134400, -1640038400,
47424, 4221360, 116138880, 1124323200, 3113510400,
726485760, 44684640, 1833511680, 17470252800,
29751321600, -5189184000, 5996390400, 66421555200,
38745907200, 52891238400, -36900864000, 232277760,
6745939200, 37362124800, 14529715200, 34940505600,
178507929600, -62270208000, 77491814400, 49816166400,
58118860800, -83026944000, 755040, 53621568,
1100107008, 6988101120, 8925396480, -1245404160,
495525888, 14391336960, 79705866240, 30996725760,
37269872640, 190408458240, -66421555200, 55105290240,
4400428032, 83857213440, 214209515520, -49816166400,
318823464960, 371960709120, -265686220800,
428419031040, -298896998400, 17269604352, 191294078976,
111588212736, 456980299776, -318823464960,
446352850944, -255058771968, 11256960, 619407360,
8994585600, 33210777600, 9686476800, 4889364480,
93174681600, 238010572800, -55351296000, 177124147200,
206644838400, -98402304000, 35978342400, 398529331200,
232475443200, 952042291200, -664215552000,
464950886400, 223619235840, 1142450749440,
-398529331200, 991895224320, -1594117324800,

531372441600, 619934515200, -885620736000, 153204480,
6286325760, 59898009600, 102004531200, -17791488000,
41118105600, 455462092800, 265686220800, 544024166400,
-379551744000, 239592038400, 1224054374400,
-426995712000, 1062744883200, -853991424000,
1093109022720, 1275293859840, -1821848371200,
3264144998400, -2277310464000, 1821848371200,
1858222080, 53967513600, 298896998400, 116237721600,
279524044800, 1428063436800, -498161664000,
619934515200, 1195587993600, 1394852659200,
-1992646656000, 3427352248320, -2391175987200,
3719607091200, -6831931392000, 19557457920,
372698726400, 952042291200, -221405184000,
1416993177600, 1653158707200, -1180827648000,
3808169164800, -2656862208000, 3967580897280,
-7084965888000, 172696043520, 1912940789760,
1115882127360, 4569802997760, -3188234649600,
4463528509440, -7651763159040, 1219741286400,
6231549542400, -2173796352000, 5410337587200,
-8695185408000, 6376469299200, 7439214182400,
-10627448832000, 21091398451200, -14714929152000,
25505877196800, -51011754393600], [1, 156, 8631,
211530, 2364120, 11476080, 22785840, 16964640, 2236,
201300, 5726160, 61316640, 242827200, 361247040,
146361600, 1029160, 43306560, 462369600, 1432569600,
1669852800, 86831360, 1061491200, 2430489600,
2542848000, 386355200, 615014400, -63078400, 33174,
2389860, 51392880, 384199200, 992930400, 975965760,
21122640, 636007680, 4330972800, 8462361600,
5787936000, 1450310400, 9207475200, 16126387200,
-922521600, 9225216000, 92093760, 1856131200,
7424524800, 10538035200, 5668185600, 14849049600,
33530112000, -15647385600, 3911846400, 6227020800,
-3193344000, 471240, 26416368, 411542208, 2031765120,
3436836480, 1748355840, 196466688, 3959746560,
15838986240, 22481141760, 6046064640, 15838986240,
35765452800, -11127029760, 1406668032, 17196157440,
39373931520, 41194137600, 25035816960, 39852933120,

-10218700800, -7472424960, 74724249600, 4176893952,
26517528576, 46443995136, -7970586624, 79705866240,
-90128941056, -9809952768, 6174960, 259839360,
2774217600, 8595417600, 10019116800, 1562964480,
19106841600, 43748812800, 45771264000, 13908787200,
22140518400, -3784704000, 8701862400, 55244851200,
96758323200, -16605388800, 166053888000, -93884313600,
36276387840, 95033917440, 214592716800, -200286535680,
-61312204800, 41726361600, 66421555200, -34062336000,
72420480, 2180597760, 14849049600, 29013811200,
19844352000, 9944985600, 63136972800, 110580940800,
-9488793600, 94887936000, 38867558400, 101822054400,
229920768000, -214592716800, -32845824000, 85837086720,
136638627840, -70071091200, -56932761600, 569327616000,
-367873228800, 736750080, 14849049600, 59396198400,
84304281600, 45345484800, 118792396800, 268240896000,
-125179084800, 93884313600, 149448499200, -76640256000,
-59779399680, 597793996800, -751074508800,
-262766592000, 6251857920, 76427366400, 174995251200,
183085056000, 111270297600, 177124147200, -45416448000,
-66421555200, 664215552000, -801146142720,
-272498688000, 41768939520, 265175285760, 464439951360,
-79705866240, 797058662400, -901289410560,
-294298583040, 197871206400, 518366822400,
1170505728000, -1092472012800, -334430208000,
500716339200, 797058662400, -408748032000,
-367873228800, 3678732288000, -5150225203200,
-1961990553600], [1, 153, 8160, 185460, 1734480,
4823280, -3991680, -9979200, 2242, 195096, 5128200,
44130240, 68191200, -168981120, -67858560, 1038400,
40550400, 331752960, 70963200, -1117670400, 89492480,
816076800, -1017139200, -1088102400, 504627200,
-1324646400, 126156800, 33312, 2299440, 44288640,
230186880, -53222400, -614718720, 21399840, 579237120,
2381702400, -3778790400, -2581286400, 1525708800,
4825497600, -14902272000, 1230028800, -2460057600,
93899520, 1604655360, 1596672000, -7823692800,
6253632000, -4790016000, -13092710400, -5960908800,

5109350400, -13412044800, 6386688000, 474144, 25147584,
332640000, 803658240, -1580705280, -798336000,
200318976, 3423264768, 3406233600, -16690544640,
6670540800, -5109350400, -13965557760, -4238868480,
1449778176, 13220444160, -16477655040, -17627258880,
32699842560, -85837086720, 20437401600, 9963233280,
-19926466560, 4394041344, 13897433088, -42918543360,
10627448832, -21254897664, -34334834688, 19619905536,
6230400, 243302400, 1990517760, 425779200, -6706022400,
1610864640, 14689382400, -18308505600, -19585843200,
18166579200, -47687270400, 7569408000, 9154252800,
28952985600, -89413632000, 22140518400, -44281036800,
-35765452800, 40023244800, -30656102400, -83793346560,
-76299632640, 122624409600, 54499737600, -143061811200,
68124672000, 73370880, 1985955840, 8165836800,
-12955852800, -8850124800, 10462003200, 33089126400,
-102187008000, 12651724800, -25303449600, 42882048000,
-32845824000, -89778585600, -81749606400, 65691648000,
112113745920, -294298583040, 140142182400, 75910348800,
-151820697600, -140142182400, 751196160, 12837242880,
12773376000, -62589542400, 50029056000, -38320128000,
-104741683200, -47687270400, 122624409600,
-321889075200, 153280512000, 79705866240,
-159411732480, -286123622400, 525533184000, 6443458560,
58757529600, -73234022400, -78343372800, 145332633600,
-381498163200, 90832896000, 88562073600, -177124147200,
-305198530560, 544997376000, 43940413440, 138974330880,
-429185433600, 106274488320, -212548976640,
-343348346880, 588597166080, 218308608000,
-167215104000, -457054617600, -416179814400,
668860416000, 653996851200, -1716741734400,
817496064000, 490497638400, -980995276800,
-1961990553600, 3923981107200], [1, 135, 6405, 134775,
1328400, 6025320, 10508400, 2041200, 1690, 127380,
3050550, 29106000, 115290000, 137289600, -13456800,
530200, 18237600, 182246400, 680400000, 450576000,
25726400, 363888000, 1652448000, 294336000, 213248000,
1849344000, 569139200, 22170, 1310250, 23436000,

159289200, 404460000, 119296800, 8952300, 215964000,
1497636000, 3335472000, -424872000, 293126400,
3342528000, 8031744000, 2776704000, 6252288000,
29980800, 465393600, 2140992000, 1342656000, 456624000,
7076160000, -508032000, 10499328000, -762048000,
1197504000, 5443200000, 275352, 12431880, 162267840,
779889600, 1104969600, -235509120, 66741120,
1109687040, 5735923200, 5201280000, 876556800,
12221798400, 4131993600, 11620761600, 329132160,
3265920000, 10995264000, -5748019200, -203212800,
35707392000, 36113817600, -9057484800, -12454041600,
563770368, 4017807360, 6305402880, 1556029440,
9150382080, -6827950080, -1226244096, 3084600,
102470400, 947419200, 3108672000, 1242864000,
398160000, 4602528000, 18059328000, -2491776000,
2483712000, 35417088000, 20299776000, 1174521600,
8370432000, 13136256000, 3241728000, 19063296000,
-7112448000, 585446400, 17244057600, -31294771200,
59609088000, -7664025600, -8128512000, 12773376000,
58060800000, 29948400, 698716800, 4508784000,
8932032000, -2708640000, 1676160000, 16243200000,
35043840000, 15206400000, 37601280000, 627264000,
18475776000, -33530112000, 63866880000, -4105728000,
-16721510400, 26276659200, 119439360000, -69009408000,
-94887936000, -27869184000, 239846400, 3723148800,
17127936000, 10741248000, 3652992000, 56609280000,
-4064256000, 83994624000, -18289152000, 28740096000,
130636800000, -72459878400, -99632332800, -56899584000,
-32845824000, 1462809600, 14515200000, 48867840000,
-25546752000, -903168000, 158699520000, 160505856000,
-80510976000, -110702592000, -60692889600,
-34062336000, 5637703680, 40178073600, 63054028800,
15560294400, 91503820800, -68279500800, -36787322880,
3193344000, 94058496000, -170698752000, 325140480000,
-41803776000, -97542144000, 153280512000, 696729600000,
-445906944000, -613122048000, -390168576000,
-245248819200], [1, 130, 5745, 105190, 782280, 2041200,
1688400, 453600, 1690, 118230, 2391660, 15343440,

25300800, 12549600, -4334400, 523200, 14540160,
75801600, 40051200, -4838400, 21486080, 59763200,
-176332800, -206080000, -88883200, -335462400,
-137625600, 22410, 1211540, 17378640, 68130720,
63856800, 29332800, 9029520, 162079680, 397152000,
143942400, -197971200, 231114240, -318259200,
-583833600, -1341849600, -2031411200, 31965120,
327680640, 316915200, 411264000, 374169600,
-1284595200, -1630540800, -2103091200, -176601600,
943488000, -1180569600, 279932, 11222280, 105668640,
218957760, 151139520, -33264000, 67503360, 670118400,
386749440, 298690560, 302668800, -2527580160,
-2896588800, -2524282880, 369774720, 1619170560,
1049448960, -734469120, -2287595520, -905748480,
-8407203840, -3056901120, -830269440, 735049728,
472227840, 2485002240, -6038323200, -6440878080,
4551966720, 817496064, 3163120, 88963200, 490976640,
481420800, 332640000, 402823680, 1557964800,
-280627200, -1780531200, -1913856000, -4361011200,
-4828364800, 1531353600, 983808000, 5177088000,
-12579840000, -13418496000, 4741632000, 2973358080,
-1277337600, -3491389440, -8402042880, 5109350400,
-1883750400, 10063872000, -12592742400, 31142880,
566035200, 1516665600, 1113523200, -368755200,
1667450880, -528998400, 956620800, -10495180800,
-14281113600, 3185740800, -1368576000, -3740774400,
-9002188800, 2737152000, -3875143680, 20702822400,
-25905070080, -23290675200, -6325862400, 18579456000,
255720960, 2621445120, 2535321600, 3290112000,
2993356800, -10276761600, -13044326400, -16824729600,
-4238438400, 22643712000, -28333670400, -24455208960,
-6642155520, 37933056000, 21897216000, 1643443200,
7196313600, 4664217600, -3264307200, -10167091200,
-4025548800, -37365350400, -27172454400, -7380172800,
40461926400, 22708224000, 7350497280, 4722278400,
24850022400, -60383232000, -64408780800, 45519667200,
24524881920, 16218316800, -6967296000, -19043942400,
-45829324800, 27869184000, -22605004800, 120766464000,

-151112908800, -150493593600, -40874803200,
260112384000, 163499212800], [1, 126, 5217, 81510,
344520, -1164240, -5488560, -997920, 1702, 112530,
1938420, 5710320, -36590400, -64199520, 9979200,
539440, 13178880, 24393600, -248371200, -39916800,
25625600, 44352000, -272025600, 295680000, 78848000,
378470400, 126156800, 22566, 1129260, 12426480,
-6320160, -217879200, -57879360, 9353520, 134164800,
-252806400, -1503532800, 412473600, 312238080,
-603187200, 425779200, 804249600, 2223513600, 33168960,
203575680, -1277337600, -638668800, 745113600,
-2634508800, 2714342400, 3619123200, 79833600,
-479001600, 638668800, 282876, 10200168, 59010336,
-244157760, -664614720, 99792000, 71444736, 463034880,
-2437585920, -787691520, 890588160, -1660538880,
4044902400, 3595468800, 393579648, 71850240,
-8286727680, 2203407360, 1660538880, 3832012800,
6642155520, -1245404160, 2490808320, 830269440,
-3116703744, -2912329728, 1430618112, 8174960640,
4291854336, -2452488192, 3212880, 77362560, 110436480,
-1729728000, -598752000, 445294080, 319334400,
-7770470400, 3406233600, 1561190400, 5960908800,
4163174400, 1729728000, -6493132800, -6067353600,
2980454400, 17031168000, 4470681600, 4193925120,
-23758479360, 10474168320, 27931115520, -15328051200,
851558400, -5109350400, 6812467200, 31885920,
449729280, -1020729600, -5770828800, 1106265600,
2058946560, -5778432000, -2007244800, 4987699200,
16301260800, 4493491200, -25455513600, 11222323200,
29926195200, -8211456000, 1751777280, -10510663680,
14014218240, -9488793600, 18977587200, 17517772800,
265351680, 1628605440, -10218700800, -5109350400,
5960908800, -21076070400, 21714739200, 28952985600,
1916006400, -11496038400, 15328051200, -9963233280,
19926466560, 35765452800, -65691648000, 1749242880,
319334400, -36829900800, 9792921600, 7380172800,
17031168000, 29520691200, -11070259200, 22140518400,
38149816320, -68124672000, 8302694400, -31167037440,

-29123297280, 14306181120, 81749606400, 42918543360,
-73574645760, 22875955200, -129591705600, 57131827200,
152351539200, -83607552000, 10218700800, -61312204800,
81749606400, -61312204800, 122624409600, 245248819200,
-490497638400], [1, 118, 4926, 93312, 855273, 3607002,
5860260, 3797640, 1248, 81752, 1787688, 16542456,
60611880, 66689280, 29725920, 268400, 8982528,
97543152, 308091840, 181997760, 11857664, 231103040,
547975680, 74538240, 225052800, 171539200, -111426560,
13908, 702432, 11560140, 77336280, 178778880,
148599360, 3464496, 87666768, 701668800, 1197241920,
770878080, 137977056, 2106679680, 1570101120,
2373665280, -715438080, 7059564, 140983416, 857591280,
1136509920, 421495200, 4651758720, 3388694400,
5931555840, 474828480, 3494413440, 5089512960, 145200,
5576256, 68893776, 314098848, 385463232, 291731328,
19524096, 404369280, 2026870272, 1141830144, 655159680,
4073836032, -628250112, 1937596416, 30520224,
783736128, 2438916480, 4463665920, 3828271104,
6971553792, -684988416, 6350109696, 13741830144,
-102888576, 87768576, -1339172352, 4642154496,
-5707763712, 10721507328, -278691840, 1316736,
37743648, 350915040, 985178880, 845308800, 85987776,
1734190080, 3696618240, 2821754880, 3497249280,
912952320, -4054364160, -109513152, 2279612160,
3500340480, 18058199040, 4882913280, 23748802560,
-1890637056, -5158315008, 6886978560, 9616932864,
38515986432, -3322206720, -13048519680, -12808212480,
9612864, 203662656, 1401390720, 1884729600, 2431572480,
290670336, 6129239040, 194503680, 12574310400,
-11869470720, -1127070720, 5256576000, 18162247680,
39059435520, 42200248320, -6834253824, -26842669056,
-26348322816, -9129369600, -10322657280, -5534023680,
48988080, 813353184, 3715588800, 2801796480,
1275200640, 12052938240, 1948423680, 13904271360,
-1184682240, 8382528000, 21503784960, -9585838080,
-10838790144, -11298631680, -7464960000, 89050752,
2085431040, 2452584960, 14247152640, 9559388160,

-13746216960, -32864993280, 22897244160, 55053250560,
-12051873792, -7741440000, -1028885760, 877685760,
-13391723520, 46421544960, -57077637120, 107215073280,
-8360755200, -10312565760, -28136263680, 37565337600,
52455997440, 210087198720, -39866480640, -156582236160,
-153698549760, -58989772800, -66700247040,
-77476331520, -55738368000], [1, 111, 4149, 64815,
436176, 1150632, 347760, -982800, 1234, 70692, 1191582,
7248528, 14671440, -6410880, -4142880, 241240, 5349024,
31675392, 52053120, -56165760, 4453568, 40951680,
71366400, -28008960, 21432320, 24084480, -12328960,
14202, 612090, 7252704, 28773360, 19807200, -45934560,
3229884, 45112032, 172116000, -42215040, -103360320,
17531136, 258854400, -424488960, 208696320, -218695680,
7767936, 56258496, 96284160, -443681280, -101566080,
2419200, -527385600, -374814720, -231759360,
-904296960, -1125411840, 151416, 4727016, 38291904,
97917120, -46279296, -35102592, 17693568, 156844800,
470711808, -621831168, -2741760, 857880576, -119089152,
310689792, 49246848, 208051200, -186084864, -421908480,
-422037504, -1891233792, -1827495936, -994000896,
-1580414976, 3290112, 295723008, -1089220608,
992452608, 442810368, -1625702400, 111476736, 1411320,
30106368, 161179200, 205632000, -368323200, 64471680,
437955840, 519160320, -328043520, 202567680, 198696960,
-426639360, -10305792, 272885760, -3298821120,
694794240, -1823109120, -3752663040, -734469120,
1473196032, 553512960, 2384363520, -5892784128,
-1099284480, -1408942080, -1021870080, 10871856,
147033216, 530720640, -161671680, -252529920, 73829376,
1435668480, -2163732480, 2056273920, -76677120,
-934018560, -186624000, -1171998720, -2152120320,
-6686945280, -2261385216, -2898395136, -2102132736,
1840250880, 6785925120, 1433272320, 63369216,
501548544, 1285079040, -2519838720, -469324800,
4137799680, -100638720, 2492743680, -3503001600,
-9347788800, -10536099840, 1932263424, 7125221376,
2926264320, 2985984000, 226501632, 1153474560,

545771520, -959938560, -655441920, -1083801600,
-3241082880, -3344302080, -3065610240, 3121348608,
3096576000, 32901120, 2957230080, -10892206080,
9924526080, 4428103680, -16257024000, 3344302080,
-4006195200, 8035614720, 3019161600, 13005619200,
-32142458880, -13191413760, -16907304960, -12262440960,
11890851840, 43847516160, 20065812480, 22295347200],
[1, 108, 3831, 54282, 318168, 976752, 2464560, 2449440,
1228, 65892, 951408, 4296096, 11551680, 31510080,
17176320, 229720, 3745728, 6213312, 20240640,
102936960, 1320704, -46287360, -71070720, 131389440,
-65228800, -98918400, 26378240, 14358, 575652, 5704560,
18900000, 60086880, 90538560, 3175056, 28240128,
22377600, 279659520, 389249280, -23111424, -437713920,
-97735680, -438251520, 195256320, 8610624, 37086336,
114670080, 400619520, -166924800, -629959680,
551577600, -563189760, -59512320, -461583360, 11612160,
153960, 4334256, 26744256, 75212928, 238557312,
158070528, 16874496, 36771840, 25546752, 825237504,
-285143040, -1139539968, 938262528, -452788224,
62947584, 36868608, 809948160, 1596672000, -1257209856,
-3307143168, 1436811264, 372750336, -1609445376,
45287424, -4644864, 543449088, -724598784, -37158912,
55738368, 0, 1449936, 26414208, 94469760, 332398080,
678585600, 54867456, -240952320, 230307840, 2008903680,
-1223147520, -2260500480, 949616640, 90091008,
-94832640, 876718080, -1850204160, -758661120,
-452874240, -289529856, 408748032, 3065610240,
-1907490816, -1634992128, -294174720, -2879815680,
2848849920, 11384064, 117421056, 276203520, 1318809600,
1295585280, -22892544, -1457602560, 457850880,
-2587852800, 1176698880, -346705920, 0, 2846638080,
-3211591680, -1751777280, -605159424, -5924192256,
5860491264, 5175705600, -7591034880, 2229534720,
69189120, 309464064, 1045094400, 3460423680,
-1250242560, -4017807360, 5434490880, -3143024640,
-917360640, -8012390400, 4366172160, 5434490880,
-7970586624, 4551966720, 0, 281659392, 220631040,

3940392960, 7323402240, -5284823040, -12881756160,
7596933120, 4675829760, -11581194240, 4855431168, 0,
452874240, -46448640, 5434490880, -7245987840,
-371589120, 557383680, 0, -1579253760, 2229534720,
16721510400, -10404495360, -8918138880, -3530096640,
-34557788160, 34186199040, 33443020800, -49049763840,
31213486080, 0], [1, 105, 3495, 41715, 125280, -264600,
-831600, -680400, 1240, 63180, 765360, 1088640,
-6955200, -9374400, -4838400, 242500, 3562560,
-2772000, -33868800, -33566400, 3610880, -22444800,
-31180800, -24192000, -18995200, -12902400, 5734400,
14460, 536640, 3853440, -2933280, -22075200, -23587200,
3374820, 23597280, -71820000, -76809600, -97675200,
12781440, -151603200, -31449600, -46233600, 176332800,
9097920, 15603840, -58060800, -54432000, -38102400,
312076800, 123379200, 130636800, 29030400, 435456000,
537062400, 155532, 3907980, 11975040, -41156640,
-57516480, -46267200, 18855360, 15120000, -254741760,
-276272640, -92736000, -89026560, -87091200,
-191815680, 69793920, -138983040, 156764160,
-407877120, -337720320, 865105920, 843816960,
949294080, 1332495360, 60092928, -214824960,
-156764160, 0, 371589120, 487710720, -111476736,
1472820, 22356000, -2388960, -150595200, -185976000,
72737280, -256435200, -183859200, -522547200,
-403200000, -135475200, 189235200, 133660800,
-278208000, 181440000, 677376000, 2128896000,
1524096000, -202245120, 1277337600, -1149603840,
-1873428480, 2554675200, -367718400, 580608000,
309657600, 11670480, 84672000, -216950400, -255052800,
-385171200, 110522880, -872294400, -584755200,
-431308800, 740966400, -144115200, 2239488000,
-360806400, 315187200, 3110400000, -756449280,
1194393600, 637009920, 2587852800, 862617600,
-1990656000, 72178560, 99429120, -718502400,
-943488000, -474163200, 464486400, -1045094400,
-1664409600, -319334400, 4354560000, 4760985600,
2717245440, 905748480, -4064256000, -2985984000,

306432000, -730598400, 19353600, -2264371200,
-2103091200, 232243200, 1341849600, 5728665600,
6425395200, -4335206400, -3096576000, 600929280,
-2148249600, -1567641600, 0, 3715891200, 4877107200,
-3344302080, -1103155200, 6967296000, -6270566400,
-10218700800, 13934592000, -4412620800, 6967296000,
3715891200, 16721510400, 5573836800, -27869184000,
-22295347200], [1, 100, 2955, 23010, -114120, -1164240,
-378000, 1360800, 1260, 58580, 475920, -2872800,
-15624000, 14817600, 6048000, 263840, 3194880,
-13870080, -17740800, 91123200, 7454720, 10572800,
133324800, 2150400, 60211200, 80281600, -22937600,
14610, 467820, 913680, -28334880, -33112800, 55339200,
3681360, 12821760, -197769600, 179020800, 97977600,
66931200, 67737600, 551577600, 468787200, -516096000,
9581760, -41731200, -333849600, 304819200, 84672000,
101606400, -493516800, -154828800, -108864000,
-479001600, -870912000, 158232, 3177360, -10100160,
-138015360, 83099520, 57335040, 22233600, -33868800,
-361912320, 948326400, 240629760, 1107025920,
-332881920, 419758080, 78140160, -654635520, -78382080,
354170880, 704471040, 510935040, -2012774400,
-679311360, -2264371200, 90574848, -882524160,
1254113280, 1672151040, -1486356480, -2229534720,
445906944, 1512480, 15287040, -139587840, -314496000,
486259200, 103541760, -393523200, 909619200, 387072000,
1057996800, 1599897600, -756940800, 176117760,
-2090188800, 1857945600, 2477260800, -5109350400,
-3832012800, 42577920, -510935040, 510935040,
1362493440, -2043740160, -154828800, 928972800,
-1238630400, 12173760, 26058240, -838771200, 402278400,
445824000, 344494080, -674611200, 3815424000,
3693772800, -2963865600, -62208000, -1841356800,
-746496000, -1990656000, -3682713600, -318504960,
1911029760, -2548039680, 1725235200, -3450470400,
-3185049600, 77552640, -296110080, -2293401600,
3193344000, 928972800, 3832012800, -928972800,
2786918400, -1103155200, -2438553600, -8825241600,

1811496960, -3622993920, -6502809600, 11943936000,
352880640, -2741760000, 658022400, 2245017600,
4025548800, 7638220800, -5367398400, -2012774400,
-12076646400, -6936330240, 12386304000, 905748480,
-8825241600, 12541132800, 16721510400, -14863564800,
-22295347200, 13377208320, 232243200, -2786918400,
2786918400, 7431782400, -11147673600, -1857945600,
11147673600, -14863564800, 11147673600, -22295347200,
-44590694400, 89181388800], [1, 105, 3990, 70770,
614565, 2474325, 4107600, 963900, 910, 55440, 1188180,
10636920, 37677150, 48900600, -2935800, 154000,
5705280, 58388400, 177357600, 187588800, 9376640,
123009600, 285633600, 263760000, 58486400, 79228800,
-15097600, 7980, 378420, 6346620, 41971860, 101858400,
39312000, 1544760, 50556240, 370629000, 765727200,
-14313600, 130324320, 942782400, 1629331200, 147907200,
915398400, 1992060, 86860620, 463881600, 319410000,
589717800, 2092154400, 60933600, -533433600, 909619200,
875448000, -1887580800, 62832, 2313360, 29529360,
133696080, 239772960, -75600000, 6854400, 190512000,
846357120, 1697230080, 472752000, 1267902720,
3398976000, -830807040, 1481760, 459254880, 1872823680,
-884338560, 3555498240, 7634511360, 523514880,
7117165440, -672779520, -51311232, 199100160,
3004646400, 3247050240, 11222184960, 14555842560,
9654349824, 381360, 11440800, 107770320, 315302400,
246456000, 32034240, 553694400, 1364630400, 710438400,
933408000, 1028966400, -558566400, 23335200, 903168000,
1375920000, 4485600000, 1891008000, 5394816000,
-302117760, -362880000, 1483937280, 3382364160,
8767180800, -716083200, -2382912000, -1901491200,
1110240, 36590400, 231184800, 699753600, -802569600,
190391040, 771724800, 4698086400, -1492646400,
7852723200, 792590400, 2122848000, -6782227200,
-4190054400, -12047616000, 1429263360, 12512102400,
19307151360, -2704665600, -2893363200, -1824768000,
-8482320, -13260240, -195955200, 1090152000,
1054922400, -1821052800, 7324732800, -12081484800,

6202828800, 3429216000, -17952883200, 12397432320,
27436631040, -3725568000, -2612736000, -145353600,
-1106179200, -2095027200, -5232729600, 2778854400,
938649600, -4619059200, 21588940800, -21608294400,
50203238400, -2709504000, -1021023360, -8167219200,
-428198400, -8162380800, 30956083200, 23659776000,
94592655360, -3956601600, -29683584000, -19610035200,
-55428710400, -62995968000, -8592998400, -28594944000,
-22817894400, -17476300800, -18695577600, -25546752000,
-19508428800], [1, 96, 3144, 44670, 284571, 678582,
375660, 178200, 874, 43362, 689382, 4225338, 6723540,
315720, -1360080, 110440, 2695104, 18766872, 8773920,
-12353760, 3002048, 35464080, -41937600, -36183360,
27249920, -58936320, 8253440, 8232, 301020, 3447684,
13687200, 9021600, 8843040, 1010484, 19241532,
81513000, -26817840, -42743520, 30542256, 157060800,
-216682560, 79230720, -69377280, 724356, 18619416,
41625360, 92020320, 92625120, 60091200, -202867200,
-72817920, 94098240, 179418240, -65456640, 70356,
1869696, 15415164, 30088440, 4119984, -7692192,
3633408, 66882240, 21057408, -85782528, 134483040,
-333016704, -374620032, -280409088, -9509832, 46563120,
-140763744, -150621120, 535908096, -1008916992,
-23763456, 337613184, -711472896, -50787648,
-202597632, -59781888, -347369472, -1027233792,
-1109376000, -1150930944, 489360, 9368928, 55673280,
24134400, 77068800, 9360720, 221797440, -372329280,
-248670720, 487860480, -942819840, 301424640,
-70039872, 88623360, 793601280, 909815040, -510289920,
680693760, -295162560, -1389788928, -576702720,
-2663147520, -3281845248, -15828480, 708203520,
968785920, 2347056, 34150896, 121011840, -20537280,
-43269120, 38434176, 297838080, -461652480, 318712320,
-264453120, -108336960, -46656000, -227992320,
-410296320, -978324480, -383394816, -648124416,
-813735936, 141972480, 945285120, 305233920, 3422736,
80024544, -49325760, 585463680, 383788800, -1349982720,
-997816320, -1386270720, 729043200, 2497651200,

929525760, -1692804096, -2691201024, 623185920,
746496000, -51909408, 54077760, -724222080, -189423360,
1930337280, -2827008000, 2454405120, 2606584320,
-564157440, -5884157952, 774144000, -446480640,
-798059520, 3085931520, 1437972480, -449003520,
3641241600, -10951925760, -1330905600, -4231802880,
203212800, -5595955200, -4505518080, -189941760,
8498442240, 11625431040, 917360640, 6107996160,
4273274880, 5573836800], [1, 91, 2709, 33355, 190736,
562632, 750960, 193200, 854, 36652, 450282, 2302608,
6344240, 7633920, -816480, 86240, 1073464, 5270832,
20183520, 30242240, -676592, -1905120, 33230400,
25907840, -3386880, 32686080, -4085760, 8442, 261730,
2235744, 8418480, 14162400, 7086240, 789684, 4584832,
19236000, 62146560, -5449920, -17056704, -45718400,
245898240, -50292480, 135851520, 852096, -3126144,
-30186240, 23627520, -67764480, -274444800, 163161600,
-122680320, -79618560, -118863360, 130421760, 74536,
1590456, 9859584, 30636480, 34844544, -15345792,
2046688, 6726720, 67175808, 228356352, -38917760,
17665536, 233630208, -38965248, -4537792, -41408640,
-201487104, -162624000, -184328704, 168311808,
-148535296, -529837056, 320753664, -18778368,
-36083712, 40061952, -61458432, 145625088, -483840000,
-193019904, 544040, 7372848, 35579040, 76843200,
59404800, -5135200, 2264640, 171131520, 18842880,
-22865920, 583618560, -147087360, -61391232,
-302749440, 54190080, -602703360, 1096596480,
-562544640, -45239040, -737307648, -613831680,
-331161600, 697331712, 228587520, -28385280,
-441262080, 2968656, 23608256, 104778240, 136523520,
-129803520, -65716224, -21790720, 1051115520,
-63866880, 750202880, -201653760, -1507968000,
-255467520, -775864320, 1177989120, 412790784,
-403070976, -1367310336, 654151680, -123002880,
224133120, 9334976, 48082944, 162704640, 343956480,
-163744000, -268907520, 618132480, -155115520,
-294067200, -993484800, 381480960, 385265664,

-732340224, 457605120, 0, -6453888, 82172160,
-169505280, -819624960, 213319680, 2296627200,
-1176698880, -1805690880, 1688924160, -584220672, 0,
-177730560, -159774720, 1003806720, 189665280,
3064750080, -2425651200, -1930199040, -201062400,
-3473326080, -2799820800, -344064000, 5997035520,
2743050240, -340623360, -5295144960, 4226826240,
-794787840, 3137863680, 0], [1, 88, 2424, 24358, 72155,
-119658, -724500, -152040, 866, 34858, 344814, 698082,
-2816380, -7589400, 1073520, 95144, 1059616, 1771896,
-13248480, -10699360, 259840, 3973200, -17814720,
-239680, 3091200, -5591040, 860160, 8544, 240364,
1405644, -82992, -16591680, -5594400, 918660, 4624396,
-2633400, -96658800, 22219680, -4223184, 19337920,
-60809280, -8305920, -25186560, 1197204, -198408,
-30957360, -27528480, -19881120, -74397120, 22848000,
-45292800, -22948800, -9394560, 55426560, 75700,
1387968, 4313820, -9606408, -49548240, 11960928,
2991232, 9796416, -25302144, -60221952, 4280416,
20598144, -1685376, 18385920, -1110088, 15600816,
-185853024, 148448832, 56026880, 161570304, 232891904,
-131370624, 170811648, -15968064, 114825984, 120427776,
147689472, 152979456, 346235904, 366686208, 557744,
5858112, 6990144, -74739840, -38492160, 1259216,
43673280, -239265600, 82467840, 70058240, -52308480,
28385280, -44896320, 73194240, -47496960, -223292160,
-210739200, -236113920, -61113024, 274675968,
375088896, 406984704, 1021117440, 86499840, 289981440,
46448640, 3104112, 15140912, -2864640, -282029760,
91829760, -31598208, 202780160, -179888640, 6720000,
-267566080, -133066560, -174435840, 275477760,
-357457920, 294220800, 292051968, 1281189888,
1008427008, -212659200, -773560320, -160727040,
10348880, 20820576, -123426240, -171454080, -42945280,
-698880, -21504000, -102215680, -53840640, 359815680,
513085440, 375782400, 385910784, -328151040,
-447897600, -1798944, 119004480, -794263680, 503435520,
395566080, 177408000, 201277440, -1040739840,

-357719040, 1780015104, -464486400, -179649792,
748876800, 6128640, -120637440, -1665269760,
-1330237440, 3332431872, -424112640, 409006080,
956712960, -684687360, 1212825600, 1037998080,
3479777280, 557383680, -1374105600, -4998389760,
-2250178560, -3344302080], [1, 85, 2175, 18655, 46400,
115080, 378000, 92400, 860, 31300, 221940, 30240,
912800, 2452800, -907200, 86660, 273280, -4559520,
-2016000, -2833600, -1111040, -15993600, -16665600,
-22758400, -7526400, 0, 0, 8700, 219520, 874560,
1125600, 9777600, 3830400, 892260, -1275680, -10466400,
19689600, -26980800, -16248960, -53580800, -34675200,
11827200, -81715200, 1748160, -255360, 39244800,
27820800, -13910400, 14246400, -122304000, 156441600,
50534400, 35481600, -65049600, 77692, 1182060, 1303680,
8087520, 23688000, -4495680, 2459200, -27216000,
-15133440, -483840, -65461760, -118702080, -186439680,
136765440, 5183360, 9233280, 112573440, -41664000,
26915840, 102574080, -36413440, 193213440, -35159040,
-6892032, 35911680, 71608320, 3440640, -68812800,
162570240, 94961664, 583940, 4265760, -1434720,
48316800, 28660800, -3700480, -106176000, -63974400,
-162355200, -113612800, -15052800, 0, -6168960,
156172800, 145958400, 167731200, -481689600, 162892800,
-6128640, -172892160, 68382720, 806830080, -218480640,
131174400, -90316800, 0, 3395520, 4933760, 13804800,
118540800, -34867200, -69772800, -210995200,
-102451200, -30105600, -458752000, 50380800, 74188800,
-91238400, 991027200, -446054400, 298106880, -16220160,
226099200, -335462400, 638976000, -280166400, 13032320,
-29702400, 161011200, 163968000, -254464000,
-615014400, -718233600, 939008000, 601036800,
148377600, -520396800, -203857920, 967680000,
-572006400, 0, 17794560, -61286400, 216115200,
-154828800, -279552000, -180633600, 0, 580608000,
51609600, -82575360, 0, -73866240, 260198400,
419328000, -361267200, -1479475200, 438681600,
949616640, -55910400, -1212825600, 103219200,

3681484800, -2270822400, 1574092800, -1083801600, 0,
-2167603200, 4128768000, -3922329600, 0], [1, 81, 1815,
8475, -60768, -292824, -186480, -75600, 880, 29244,
110664, -1149120, -2217600, -504000, 685440, 102340,
418752, -3949344, 3709440, 4173120, 611072, 1209600,
18923520, 20536320, 1648640, 9461760, -1146880, 8796,
186240, -188928, -5965344, -3044160, -3265920, 1070532,
-1772064, -12952800, 17377920, 20220480, 1814400,
55480320, 70479360, -9246720, 55910400, 1877184,
-9555840, 15482880, -21530880, 11894400, 110799360,
67253760, -13870080, 29030400, 17418240, -43545600,
79116, 882540, -5120640, -16400160, -9519552, 2407104,
4033728, -20845440, 31239936, -4677120, 4677120,
72511488, 154957824, -67264512, 6281856, -36408960,
20901888, -677376, 80575488, 18192384, -198696960,
15676416, -223534080, -6870528, 22063104, -179988480,
-210567168, -74317824, -199729152, -260112384, 601620,
1951776, -30919392, -11894400, -29695680, 7934976,
-25804800, 125153280, 141926400, 40642560, 153538560,
-37847040, -5749632, 168215040, -155312640, -47738880,
234823680, 231275520, -37094400, -10838016, -121540608,
-539836416, -690536448, 65802240, -100638720,
-61931520, 3574512, -9444096, -75427200, -28477440,
22291200, -3350016, 216668160, 111974400, -144506880,
412139520, 10022400, 333434880, -37324800, 5529600,
-184135680, 51314688, -711327744, -799801344,
-460062720, -172523520, 345047040, 14449536, -92945664,
32417280, -208051200, 9676800, 449003520, 688988160,
-301916160, 330946560, -11612160, -441262080,
-924327936, -1063673856, 704471040, 597196800,
25611264, -198374400, 69672960, 112250880, 250306560,
479969280, -268369920, 46448640, -603832320,
-817496064, 619315200, -53996544, 514805760,
-917360640, -928972800, 1610219520, 1532805120,
-2155216896, -135475200, 743178240, 139345920,
-805109760, -557383680, 789626880, -1207664640,
-743178240, -2972712960, -1114767360, 4830658560,
4459069440], [1, 75, 1305, -4065, -144720, -143640,

1134000, 226800, 910, 25980, -40230, -1990800, 2646000,
10281600, -2268000, 126040, 521280, -3084480, 24595200,
-12700800, 3288320, 16396800, -6451200, -40857600,
20787200, -55910400, 5734400, 8910, 131670, -1645920,
-9359280, 24343200, 7711200, 1311660, -5473440,
-18597600, 91324800, -54734400, 26611200, 43545600,
-319334400, -9676800, -32256000, 1762560, -37195200,
-7257600, 14515200, 9072000, -297561600, -58060800,
-203212800, -108864000, -152409600, 217728000, 81432,
417960, -12519360, -1028160, 90357120, -13426560,
6566400, -21772800, 150958080, -67737600, 137410560,
-34836480, -255467520, -61931520, 6168960, -190149120,
291755520, -52254720, 162570240, -998645760, 696729600,
-592220160, 783820800, 3483648, 46448640, 209018880,
278691840, 371589120, 557383680, 445906944, 629880,
-1805760, -58847040, 139104000, 59875200, 26530560,
-2419200, 256435200, -338688000, 380620800,
-1045094400, 189235200, -25885440, -324172800,
-101606400, -619315200, 309657600, -493516800,
13547520, 418037760, 162570240, 433520640, 1672151040,
38707200, -232243200, 309657600, 3868560, -34162560,
-101347200, 521510400, -111456000, 107412480,
306892800, -953856000, 182476800, -364953600,
-191808000, -783820800, 186624000, -1161216000,
920678400, 245514240, 517570560, 1964113920,
-431308800, 862617600, 796262400, 16899840, -216276480,
391910400, 290304000, 493516800, -232243200,
-1219276800, -696729600, -812851200, -1567641600,
2206310400, 418037760, 2647572480, 1625702400,
-2985984000, 40803840, -604800000, 1770854400,
-561254400, 1574092800, -4490035200, 1341849600,
-3367526400, 3019161600, 4830658560, -3096576000,
5806080, -116121600, 348364800, 464486400, -928972800,
-1393459200, 2229534720, -58060800, 696729600,
-696729600, -1857945600, 2786918400, 464486400,
-2786918400, 3715891200, -2786918400, 5573836800,
11147673600, -22295347200], [1, 96, 3441, 58530,
490095, 1942020, 2940255, 1630530, 676, 41580, 889560,

7779240, 28487700, 28168380, 11066400, 118360, 4253760,
40395600, 144633600, 53782200, 6594560, 70795200,
329193600, -49425600, 9699200, 375206400, 142323200,
4074, 217860, 3913380, 26517600, 64931850, 47138220,
1232640, 36373680, 247654800, 497660400, 211654800,
80186400, 526291200, 1004724000, -16569600, 637910400,
3466260, 78872400, 337027500, 438690600, 303447600,
889434000, 1284033600, -648712800, 305764200,
418705200, -385646400, 14520, 781488, 12056688,
68829120, 70460280, 87495120, 5534208, 114307200,
687363840, 26098560, 184141440, 1838039040,
-1296432000, 1468631040, 38459232, 546877440,
1460812320, 1225368000, 1298280960, 2936459520,
339897600, 1100679840, 2956824000, 113726592,
1203158016, -90232704, 2669884416, -5173562880,
610239744, -3879871488, -65040, -59040, 7488000,
98028000, 29667600, 21026880, 158025600, 1464984000,
-154771200, -208972800, 4595731200, 3342451200,
206697600, 1236801600, 2986459200, -847094400,
6998630400, -1994587200, 1086243840, 7177040640,
705196800, 11328261120, 4048704000, 1689379200,
10996473600, 15235430400, -1753920, -28779840,
-157550400, -273153600, 474508800, 47520000,
-218419200, -757036800, -1605657600, -1077235200,
904694400, 1159401600, 6197472000, -9837504000,
-2340057600, 4387461120, 3465815040, -10618214400,
9008064000, 19211212800, -885427200, -17619120,
-276004800, -886366800, -1660284000, -293371200,
403790400, -6416236800, 3154550400, 1987135200,
1886068800, -4176403200, 14247342720, -13350355200,
34108819200, -1306368000, -111242880, -1600473600,
-3061065600, 850694400, -3904358400, 1119052800,
8927769600, -4486060800, 19027008000, 15098849280,
62496921600, -459025920, -5527630080, -10480078080,
-14804743680, -19809792000, -32208606720, -39774136320,
-1330905600, -8741260800, -4860518400, -13670553600,
-12744345600, -3671827200, -11708582400, -8729856000,
-8101555200, -8481024000, -12395980800, -9754214400],

[1, 85, 2550, 34330, 207285, 494145, 276000, -386100, 610, 29040, 467820, 2699880, 4897650, 426600, -846600, 66000, 1888320, 10220400, 12660000, -6033600, 2898560, 9406400, 6532800, -12342400, -9942400, -8438400, -12345600, 4140, 150980, 1873980, 7238340, 6672000, -14616000, 500040, 13067760, 39180600, 14263200, -18883200, 32698080, 12811200, -40953600, -103478400, -118572800, 468540, 18801180, 24811200, -132994800, 114139800, -36612000, -124063200, -84729600, 113961600, -262612800, 157507200, 22352, 635760, 5574960, 13692720, 5084640, -3323520, 1724160, 29024640, 54334080, -9742080, 52944000, 23028480, -97344000, -33704960, 1634400, 59433120, 70139520, -57767040, 277551360, -17256960, -65479680, 287660160, -233383680, -3134592, 44455680, 52669440, 153377280, -237818880, 59996160, -258011136, 54640, 1725600, 7796880, 18432000, -76104000, 9072960, -4800, 102902400, -31219200, -151315200, 58521600, -276812800, 34596000, -30028800, -853315200, -521107200, -776486400, -1023436800, 18648960, 235699200, -161441280, 86845440, -942796800, -207513600, -977932800, -1303219200, -534240, -1281600, -16970400, 53308800, 7228800, 54869760, -166464000, 272563200, -600768000, -404352000, 292478400, -18144000, -143596800, -68659200, 993945600, 357258240, 772761600, -248463360, -925516800, -1611417600, 110592000, -7940880, -51734160, -55123200, -275947200, 143100000, 128649600, 129168000, 164275200, 880473600, -1887494400, 1545638400, 1296622080, -515773440, -3134822400, 290304000, -49910400, -338659200, 382233600, 257011200, -384076800, 1917388800, -538214400, 598579200, -390297600, 1734451200, -5673369600, -157368960, -955699200, -313459200, -1826841600, -137779200, -2760652800, -2363351040, -191059200, 827366400, 1716249600, 3325132800, 5244825600, -249753600, 1707264000, 2284646400, 223948800, 1996185600, 1548288000, 2167603200], [1, 78, 2046, 23592, 129753, 345402, 575460, 456840, 568, 21312, 265968, 1377216,

3025080, 4632480, 2927520, 32680, 646128, 3478392,
5819040, 4822560, 504224, 2425440, 3166080, -1464960,
-1273600, 1036800, -1423360, 4308, 113712, 1022220,
3618360, 8714880, 10100160, 121536, 2582208, 6912000,
37336320, 38666880, 3775536, -4230720, 25513920,
-21937920, -6420480, -506196, -2207304, 5946480,
38884320, 1231200, 75669120, 86659200, -5218560,
-10566720, 101658240, -46794240, 27840, 521856,
3424896, 6432768, 16993152, 20521728, -131904, 3481920,
-20798208, -28751616, 7012800, -32064768, -45073152,
-14444544, -6673536, -45332352, 26956800, 132503040,
-105601536, 209405952, 7547904, -146271744, 317758464,
-11347776, -132758784, -171009792, -263015424,
135641088, -254886912, 205701120, 122736, 1778688,
8431920, 17887680, 19656000, -275904, 492480, 22544640,
19342080, -12049920, 47877120, -31272960, -12138912,
-65255040, 19370880, -144437760, 131143680, -120752640,
-21891456, -205659648, -112734720, -235155456,
-48273408, 20321280, -94279680, -153722880, 108864,
3286656, 457920, 47865600, 100327680, 14380416,
-55503360, -194987520, -101606400, -113080320, 8484480,
326592000, 243233280, 38430720, -337582080, -197351424,
-242528256, 543227904, 17971200, -294727680, 56401920,
-2961360, -4526496, -45748800, -122670720, 89907840,
173283840, -322859520, 71055360, -20355840, 874022400,
-335370240, -751472640, 575963136, -289198080, 0,
-19807488, -84360960, 21288960, 168791040, 38799360,
425226240, -50503680, -76861440, 1017999360,
-890929152, -718848000, -23103360, -328803840,
-1139857920, -252426240, -357765120, -267909120,
2057011200, 217866240, 719953920, -978739200,
687882240, -1718599680, 513423360, 486051840,
311869440, 862617600, -411402240, 789626880, 0], [1,
75, 1800, 16740, 46935, -92475, -268200, -180900, 580,
20220, 203400, 413460, -2088900, -2106000, -1098000,
38620, 663480, 1018260, -11098800, -3992400, 864080,
1165200, -15393600, 6408000, 1572800, 4742400, 2124800,
4410, 104670, 674550, -284310, -4536000, -3699000,

201060, 3380400, -7348500, -19126800, -10724400,
8190360, -27907200, -19144800, 4161600, 31248000,
-276840, 2496960, -4989600, -8920800, 17476200,
-43178400, 1101600, 37699200, 7128000, -33955200,
-259200, 28692, 457740, 1700820, -7047540, -2626560,
-8348400, 300960, 8196480, -56685600, -12605760,
20911680, -96511680, 74931840, 56574720, -4657320,
1513080, 33436800, -37614240, -8948160, -164592000,
10621440, -24831360, -39346560, -8106912, -35043840,
12286080, -104336640, 77760000, -96215040, 60217344,
129420, 1492920, 1809540, -16311600, -7376400, 1508400,
9356400, -41644800, 20404800, 19684800, 30384000,
36172800, -5420520, 22831200, 46159200, 32572800,
128217600, 74563200, -5080320, 120977280, 137928960,
267148800, 509137920, 37353600, 204768000, 216576000,
147600, 3409920, -14418000, 30931200, -44539200,
19028160, -112780800, -15552000, -16992000, 152294400,
29073600, 114825600, -66873600, 133056000, 72576000,
-110073600, -241989120, -133263360, 211161600,
341452800, -37324800, -2924640, 8519040, -37713600,
32918400, 91216800, -261705600, 224726400, 323136000,
46224000, -365472000, -211852800, -318504960, 80040960,
725760000, -124416000, -22056480, 14191200, 304300800,
-108259200, 9734400, -318297600, -113817600, 45619200,
-355622400, -433797120, 1296691200, -51032160,
-17020800, 321148800, -244339200, 237081600,
-168998400, 509276160, 41990400, 767232000, 130636800,
771379200, 290304000, -86400000, -750643200,
-1678233600, -116121600, -754790400, -522547200,
-928972800], [1, 75, 1845, 19995, 113040, 292680,
-32400, -594000, 550, 18060, 195930, 1224720, 3495600,
-1382400, -2440800, 18400, 173880, 3754800, 19692000,
-5198400, -526960, 6669600, 58075200, 1142400, 7078400,
62054400, 26470400, 4410, 98370, 724320, 2723760,
108000, -16437600, -18540, -1330560, 6314400, 20044800,
-38404800, -7519680, 26524800, 75801600, 62726400,
92044800, -685440, -11076480, -36115200, -72403200,
-34156800, -12096000, -173836800, 142617600, -31449600,

-19699200, -691200, 30312, 470520, 3225600, 9478080,
-12147840, -12977280, -802080, -584640, 63169920,
-35147520, -3830400, 209272320, 12556800, 206991360,
-6552000, -72558720, -62104320, -59650560, -136143360,
-76170240, 399329280, 7050240, -296939520, -628992,
-74373120, -17003520, -165611520, -142110720,
170864640, 67682304, 149160, 1508400, 9897120,
16632000, -77760000, -5412960, 3700800, 234921600,
-69292800, 8755200, 358502400, 446668800, -21513600,
-240019200, -196300800, -163468800, -831513600,
486604800, 40746240, -111283200, 359009280, -671293440,
146534400, 40089600, -38707200, -237772800, 357840,
2750400, 16934400, -1900800, -46828800, -12072960,
46080000, 127180800, 99072000, 142848000, -51494400,
-217728000, -149299200, 11059200, 91238400, 11612160,
-49766400, -145981440, 30412800, 60825600, 0, -1062720,
-2211840, 13651200, -234316800, 864000, 426470400,
-183168000, 458956800, -174873600, -116121600,
-229478400, -200724480, 394813440, -199065600, 0,
-8668800, -72748800, 189734400, 123724800, -140083200,
11059200, 1607270400, 244684800, -1335398400,
-331776000, -353894400, 23362560, -416102400, 16588800,
-876441600, -1985126400, 2455142400, 676823040,
335923200, 33177600, 1874534400, -2919628800,
464486400, 613785600, 331776000, -1791590400,
564019200, 1128038400, 0, 0], [1, 70, 1470, 11200,
34265, 41370, -6300, -46200, 560, 15400, 94920, 200760,
110600, -67200, -151200, 21560, -27440, -321720,
-285600, -1607200, -526400, -1596000, -940800,
-1993600, -1344000, -10752000, -4300800, 4620, 83440,
322980, 477960, -352800, -1209600, 73920, -993440,
-2721600, 3360000, -1276800, -4104240, -9329600,
-11659200, -8467200, -26880000, -188580, -1764840,
-8005200, -2973600, -6736800, 8400000, -739200,
-10617600, -10248000, 9475200, 268800, 32032, 339360,
1051680, 1142400, 725760, -1048320, -486080, -1384320,
1236480, -5160960, -580160, 15671040, -11047680,
-48384000, -2668960, -2600640, 21006720, -6101760,

1594880, 38384640, -64476160, 12257280, -43868160,
1837248, 8574720, 6048000, 68920320, -16558080,
80317440, -44384256, 165200, 809760, 2662800, -1377600,
-6619200, -4443040, -2956800, 31382400, 6988800,
-2598400, -58598400, -64512000, -6219360, -51273600,
4636800, 43545600, 36019200, 89510400, 38908800,
92413440, 8870400, 83005440, -73328640, -1075200,
25804800, 116121600, 478560, 966560, 2284800, 8265600,
-3763200, -9999360, -17920000, -10752000, -3763200,
-62003200, -1142400, 1612800, -7257600, 86016000,
-35481600, 44298240, 33546240, 13762560, -22579200,
66662400, -31334400, -490000, 4539360, -20731200,
-27753600, 11849600, 101875200, 58329600, -193177600,
-94483200, 49190400, 89241600, 129024000, -147087360,
66662400, 0, -8615040, 12499200, 58867200, 4838400,
17203200, -25804800, -193536000, -87091200, -122572800,
149667840, 232243200, -1088640, -129292800, -62092800,
177408000, 204288000, 312883200, -443842560, 137625600,
83865600, 103219200, -34406400, -180633600, -99993600,
-212889600, 696729600, -387072000, -51609600,
-438681600, 0], [1, 66, 1170, 4140, -30123, -184734,
-142380, 167400, 580, 14244, 39564, -354420, -1670400,
680400, 368640, 31960, 112032, -52344, -2244960,
5418720, 67472, 2508000, 4086720, -362880, 458240,
7080960, 3000320, 4716, 66960, -89388, -2069064,
-4030560, 4812480, 178272, 35856, -2296800, 3352320,
1918080, 480240, 7369920, 21389760, 3732480, 16588800,
-71316, 147960, -7445520, 19357920, -640800, 7896960,
-2643840, 14181120, -5313600, 8346240, -7257600, 32976,
215280, -981360, -7732800, 1816128, 2225664, 142848,
4589280, -7265664, 32676480, 5817600, 24657408,
-15307776, 32882688, -2186064, 16679520, 5427648,
-867456, -14026752, 18123264, 23961600, 16194816,
30481920, -79488, 24136704, 16796160, 23334912,
-31186944, 49102848, -27869184, 174240, 138816,
-4259952, -23428800, 26377920, -1239984, 22759200,
-8233920, -23702400, -12464640, 10460160, 41564160,
-5704992, 4026240, 25176960, -71988480, -48453120,

-33108480, 16433280, 23238144, -102670848, -73875456,
-237938688, -38108160, -184965120, -182661120, 543312,
-1131696, -13672800, -5019840, 6652800, 569664,
28258560, 34732800, -6036480, 37969920, 950400,
32244480, -6220800, -4838400, -30689280, 11916288,
-60217344, -96436224, -70225920, -75755520, 29859840,
-227664, 6712416, -60678720, 104457600, 18316800,
22533120, -125245440, 103127040, -67357440, -16796160,
-73543680, 187121664, 54411264, -326799360, 99532800,
-9061056, 70502400, -51114240, -32209920, -86307840,
-118609920, 185057280, 15344640, 275374080, 234233856,
-586137600, -15306624, 80386560, 72783360, -152064000,
-48660480, 110315520, -204374016, 55987200, 75479040,
-258785280, -69672960, -92897280, -198789120,
-668528640, -123863040, 262103040, 942243840,
418037760, 743178240], [1, 66, 1206, 6780, 25785,
190890, 497700, 491400, 556, 12300, 16740, -41580,
1285200, 3250800, 2923200, 16360, -418320, -2532600,
-2973600, 4082400, -930160, -4821600, -8366400,
12566400, 4390400, 10214400, 6809600, 4824, 70560,
140400, 1859760, 6426000, 8618400, 88560, -2509920,
-4082400, -15422400, 26006400, -4278960, -14212800,
-71064000, 47577600, 61286400, 287820, 3016440,
1738800, -26762400, 11944800, -38102400, -62294400,
10886400, 15422400, -52617600, 21772800, 33840, 215568,
263088, 8406720, 18325440, 18869760, -741312,
-11702880, -24071040, -16571520, -3749760, 3870720,
55641600, 63221760, 946512, 19383840, -37195200,
-6168960, 60963840, -182407680, 79349760, 38465280,
-111767040, 2020032, 7209216, -28594944, 81478656,
25159680, 19160064, -32514048, 184560, 84240, 3129840,
22780800, 41428800, -6456240, -33717600, -95256000,
76406400, 37900800, -4838400, 102144000, 11642400,
4233600, -248572800, 129427200, -16934400, -36288000,
25280640, 105960960, -155312640, -108380160, 145152000,
-32256000, 154828800, -122572800, 645840, -2144880,
17863200, 40564800, 94089600, -21090240, -94867200,
-260409600, 213580800, 290304000, 66614400, -25401600,

-367027200, -201139200, 228096000, -20874240,
370759680, -329564160, -107827200, 107827200, 0,
604800, -3144960, 20563200, 36288000, -19958400,
-99187200, 12096000, 135475200, 74995200, -188697600,
-9676800, 29030400, 11612160, 0, 0, -3911040, 11491200,
-29030400, 166924800, 37094400, -241920000, 245145600,
29030400, -377395200, 162570240, 0, 5806080, -87091200,
-377395200, 435456000, 522547200, -174182400,
-325140480, 87091200, 319334400, -754790400,
-812851200, 1161216000, -387072000, 1857945600,
-1470873600, -696729600, 696729600, 0, 0], [1, 63, 987,
1869, -17136, 504, -65520, -166320, 574, 11676, -13482,
-269136, 216720, -1169280, -796320, 25984, -240156,
-887544, 700560, -2993760, -432208, -766080, 1888320,
-188160, 358400, 591360, 788480, 4872, 56280, -170352,
245952, 463680, -3265920, 170352, -1599696, 5130720,
987840, -4878720, -1524096, 7156800, 7459200, 8574720,
8171520, 267120, 2346624, 11672640, 3870720, 9596160,
15724800, 36771840, -24514560, 9434880, 0, 0, 34440,
110880, -1198512, 1937376, -5673024, -5249664, -181944,
-5782896, 1949472, -11438784, -5108544, 3177216,
11015424, -1139712, 236880, 16662240, 7947072,
11587968, 2798208, -31014144, 24062976, -15240960,
75188736, -1318464, -21627648, 5080320, -15482880,
11612160, -86510592, 32514048, 190932, -494424,
-1039248, 2892960, -17539200, -3250800, -1098720,
4253760, -12297600, -1451520, -13870080, 11827200,
7979328, 26812800, 53706240, 33788160, 36933120,
-131604480, 2919168, -86317056, 39287808, -89671680,
29417472, -26127360, -19353600, -42577920, 692424,
-4400928, 11249280, -13184640, -25764480, -9696960,
-8144640, 18144000, 53867520, -645120, 49472640,
17418240, 143700480, -179020800, 0, -87865344,
-25546752, 77414400, 19353600, -162570240, 56401920,
819504, -6380640, 15906240, -31328640, -6289920,
10644480, 38707200, -17418240, 44271360, 18869760, 0,
-91736064, -11612160, 19353600, 0, -3745728, 26974080,
-6531840, -43061760, -37094400, -59996160, 56770560,

37739520, 214824960, -37158912, -170311680, 1088640,
-58544640, 140797440, 220631040, -154828800,
-505128960, 325140480, 70640640, -162570240, 174182400,
-131604480, 0, -249661440, 150958080, 0, 301916160,
-696729600, 789626880, 0], [1, 58, 642, -4796, -52971,
-126, 112980, 98280, 604, 10476, -60732, -401436,
989520, 771120, 530880, 42264, -14016, 745416, 3632160,
2550240, 495152, 2935520, -396480, -2853760, -2060800,
-2903040, -2795520, 4932, 29840, -655092, -714168,
1438080, 1370880, 296352, -1377936, 7449120, -3951360,
900480, 3460464, 1848000, -2318400, -17902080,
-29818880, 119340, -2983176, -2716560, -13416480,
2388960, -19958400, -50520960, 6531840, -2963520,
-18748800, 12096000, 35600, -65520, -2871792, 3244416,
495936, 3983616, 867456, 1086624, 15103872, 13190016,
5851776, -19482624, -26804736, -24399872, -1113840,
917280, -61725888, -12362112, -38126592, 17450496,
-11741184, 12337920, -69963264, -1862784, -10579968,
-13063680, -50319360, 20643840, -21676032, 24772608,
202432, -1547904, -4234608, 9898560, 10180800, 2625840,
28368480, 423360, 7459200, -22417920, 57093120,
-36198400, -2272032, -873600, -59794560, 20885760,
-45857280, 101445120, 432768, -44222976, 46867968,
97198080, 244242432, 3978240, 151603200, 185364480,
779184, -8950608, 14957280, -13573440, 20833920,
12772800, 32520960, 57657600, -86215680, -92344320,
-178560, -98184960, -151787520, 127411200, 51148800,
-79893504, -387072, 109117440, 226713600, 264130560,
-87367680, 1264464, -16299360, 31026240, 15442560,
35642880, -18385920, -67737600, -49674240, -49271040,
-111767040, 122572800, -16257024, 147087360, 199987200,
-165888000, -2858688, 40884480, -125072640, 52899840,
-98380800, 346429440, -149667840, 202245120,
-336752640, -354557952, 500613120, -4475520, 51125760,
-38223360, -127733760, -51609600, 152893440, 123863040,
35159040, -191600640, -38707200, 203857920, 154828800,
-204503040, 305786880, 206438400, 766402560, 309657600,
-1223147520, -1238630400], [1, 51, 201, -11145, -43920,

320040, 327600, -378000, 646, 8460, -119070, -156240,
3553200, -3427200, -856800, 65560, 152640, 1108800,
-4435200, -14313600, 1998080, 1344000, -34406400,
15052800, 3584000, 12902400, 5734400, 4974, -12090,
-1196640, 1970640, 10634400, -8013600, 449820,
-3417120, 3780000, -35280000, 8568000, 10805760,
-66124800, 9676800, 11827200, 79564800, -345600,
-15906240, 16934400, 24192000, -22377600, -74995200,
135475200, 106444800, -50803200, 137894400, -72576000,
37560, -319032, -3471552, 24534720, -3991680, -7136640,
2585088, 3386880, 3870720, -85800960, 49674240,
-143216640, 116121600, 130744320, -3604608, -23708160,
111767040, 40642560, -23224320, 332881920, -108380160,
58060800, 17418240, 8128512, 95993856, 41803776,
204374016, -123863040, 260112384, -148635648, 219960,
-3280320, 20160, 61689600, -61084800, 11692800,
-2419200, -259660800, 48384000, 19353600, -12902400,
51609600, -31046400, -104832000, 208051200, -180633600,
51609600, 48384000, 49674240, 139345920, -147087360,
103219200, -928972800, -64512000, -232243200,
-516096000, 922320, -17366400, 66960000, -7948800,
-29203200, 52669440, -190771200, -212889600, 27648000,
298598400, -135129600, 62208000, 335923200, 387072000,
-306892800, 236666880, 464486400, -654704640,
-121651200, -818380800, -265420800, 2108160, -44029440,
217728000, -212889600, 145152000, -851558400,
406425600, 541900800, -425779200, 1219276800,
-735436800, 975421440, -882524160, -1470873600,
995328000, 161280, -4838400, 29030400, -19353600,
25804800, -154828800, 103219200, -116121600, 232243200,
371589120, -619315200, -1935360, 38707200, -116121600,
-154828800, 309657600, 464486400, -743178240, 19353600,
-232243200, 232243200, 619315200, -928972800,
-154828800, 928972800, -1238630400, 928972800,
-1857945600, -3715891200, 7431782400], [1, 91, 3171,
52605, 434595, 1676745, 2667105, 818055, 546, 35420,
747810, 6662040, 22993950, 28945980, 784350, 113960,
3464160, 36162000, 101421600, 105508200, 3402560,

79419200, 126369600, 146126400, 90787200, -64937600,
-98604800, 1974, 149310, 2826180, 20481300, 50302350,
25180470, 1384740, 28964880, 218773800, 388004400,
50595300, 18698400, 591595200, 577836000, 933878400,
-18345600, 5759460, 73086300, 343696500, 230183100,
-75461400, 1200906000, 6312600, 3005503200, -409033800,
286486200, 2209107600, -9240, 119448, 5383728,
34387920, 84014280, -23534280, 6346368, 102453120,
394611840, 794021760, 68019840, 318608640, 1592841600,
62039040, 70715232, 651702240, 1545959520, 48232800,
-443600640, 1940440320, 2827641600, -3362355360,
-1491890400, 240976512, 1329543936, 2482171776,
-1661796864, 4610511360, -7998310656, -1092123648,
-244440, -5204640, -22503600, -48636000, 45498600,
9266880, 278577600, 24696000, 558532800, 743635200,
-2129836800, -2411404800, 256989600, 2279793600,
1495519200, 3399177600, -3137097600, -245095200,
2056602240, 6990762240, 4344278400, -4942586880,
-12706848000, 4948675200, 4526121600, -10742457600,
-2412720, -56629440, -276242400, -359553600,
-330145200, -139104000, 110476800, 105235200,
3113510400, -10483200, 103118400, 4969641600,
-1646568000, 18228672000, 7055294400, 4131025920,
15359984640, 14195865600, 25631424000, 7956748800,
37206604800, -15185520, -334227600, -1477450800,
-547722000, -1216303200, -4360305600, 2623471200,
1009814400, -3568168800, 1362160800, 16996996800,
-4844810880, 18940521600, 14212195200, 65263968000,
-66890880, -1187625600, -4401129600, -1909353600,
-4149734400, -16207027200, -7907558400, -13224556800,
-18162144000, -31888926720, -42098918400, -236718720,
-2583463680, -4289604480, -6032033280, -6824563200,
-11174526720, -11591838720, -811641600, -5174668800,
-2768774400, -7712409600, -6756825600, -2367187200,
-7437830400, -5406912000, -5385139200, -5588352000,
-8404300800, -6706022400], [1, 78, 2235, 29010, 170955,
404370, 149265, 190350, 442, 22446, 358200, 2079540,
3919050, -1440090, -901620, 60400, 1411200, 7997760,

11534400, -13215600, 1393280, 8896800, 12177600,
-6535200, 1347200, 2246400, -3923200, 1662, 85740,
1150740, 4843080, 2823750, 7662060, 600840, 9463320,
33258600, -17073000, -19756800, 8496000, 38044800,
-107784000, 10358400, -47486400, 1978020, 17859960,
20495700, 71566200, 2554200, -53357400, -98636400,
-103982400, -33042600, 146156400, -126446400, -3156,
96984, 1711800, 7122240, -14076180, -5029560, 2347776,
21178368, 65664000, -139357440, 964800, 124070400,
-13296960, 48261120, 20128176, 103412160, -82315440,
-97109280, -42992640, -572382720, -225590400,
-244548720, -120800160, 50886144, 180914688,
-379157760, 154732032, 70177536, -274917888, 373787136,
-121200, -1735200, -6582240, -2584800, 46645200,
4580640, 15249600, 25538400, -27590400, -32371200,
-16473600, -85382400, 65390400, 147211200, 491659200,
-153691200, -313747200, 608817600, 299692800,
242352000, -360581760, -59811840, 587347200, 315100800,
473990400, -406771200, -1149120, -16774560, -43178400,
-91389600, -12981600, -20044800, 31104000, -476582400,
157248000, 83116800, 76161600, -302097600, -357696000,
-870220800, -319075200, 509829120, -2447677440,
-190080000, 253843200, -2030745600, -2608588800,
-6499440, -84287520, -76820400, 233042400, -210103200,
349552800, 305467200, 396921600, -282808800,
1268654400, -880416000, 407384640, -316068480,
1345939200, -4506969600, -22674240, -228787200,
-285163200, 69724800, -582451200, -521164800,
-124531200, -1295049600, -172972800, -2096271360,
-1807488000, -49593600, -63901440, 730425600,
504541440, 1996600320, 2262090240, 3859799040,
-115257600, 156038400, 567129600, 931737600,
1451520000, -147744000, 795225600, 1049241600,
100569600, 1043020800, 841881600, 1219276800], [1, 69,
1686, 18714, 98325, 272529, 366048, 120204, 370, 14256,
185292, 886248, 2430594, 3288744, -80712, 24112,
522144, 1662480, 6148224, 13784832, 534464, -2195520,
-508800, 16852992, -5449600, -12422016, 2726144, 1644,

50244, 511164, 1912068, 3451392, 2749248, 137736,
2382192, 6655608, 12566304, 6387840, 3010464, -2601216,
4475520, -14979840, -11751936, 165564, 2414556,
4169664, 8033040, 3860568, 5288544, -1497312, -9586944,
-3666816, 21954240, -10537344, 2640, 88560, 466992,
3281328, 5347296, -5512320, 415872, -1102464, 20065536,
86201856, -14931072, 5584896, 108532224, -15209472,
1272672, 2217888, 4344192, 2851200, -38223360,
36218880, -15980544, -60580224, 36267264, -2021760,
27343872, 153653760, 20487168, 100141056, -19740672,
-94887936, -41424, -321696, -3381552, -5288256,
9225792, 2533824, -20198592, -47287296, 73974528,
-67719168, -190877184, 65633280, 8909856, -12868992,
-23324544, -118379520, -102951936, -4672512, -42261120,
-24178176, 292114944, -123070464, 96712704, -153819648,
-183237120, 294423552, -488160, -3951936, -11099808,
-45788544, -47177856, 9006336, 40476672, -5087232,
19768320, -105725952, 31610304, 26687232, -115644672,
22505472, -20072448, -43739136, 368603136, -335978496,
-531947520, 205590528, -220299264, -2510352, -21964176,
-26707968, 9122112, -16283808, 92071296, 190988928,
8764416, -8017920, 185442048, -81520128, -66313728,
581188608, -520943616, -426995712, -4037760, -42152832,
-265406976, -162860544, -27887616, -501755904,
199987200, -171002880, -194641920, -190881792,
1170284544, 15859584, 176573952, -141792768, 529072128,
-627499008, 348198912, -948879360, 58012416, 244435968,
-145898496, 487489536, 169537536, 170532864, 78465024,
22228992, 340070400, -182476800, 331776000, 0], [1, 66,
1467, 13050, 33435, -50490, -283455, -73170, 382,
13650, 142920, 215820, -853650, -2666790, 255780,
28000, 511200, -244800, -2625120, -5130720, 728000,
-3194400, -380160, -5827680, -2646400, -522240, 592640,
1746, 49140, 369180, -111240, -3742470, -1691820,
185400, 2504520, -4732200, -21393720, 1728000, 5256000,
-15059520, -1609920, 5633280, 25237440, 311220,
2785320, -14234940, -7692840, 11061000, -38684520,
27935280, 40032000, 1778760, -10257840, 5002560, 3276,

103608, 304056, 345600, -9043380, 3701160, 637056,
-305280, 7712640, -21306240, -6062400, 18650880,
-39504960, -23685120, 2737008, 855360, -66893040,
18321120, 6577920, 9227520, 45820800, -21740400,
24922080, 2315520, 18890496, -24945408, 37020672,
-31415040, 32679936, 22768128, -39600, -89280,
-1546560, 3657600, -3203280, 3117600, -22622400,
12532320, -28264320, -37935360, 956160, 10771200,
14376960, -56039040, -21297600, 13452480, 178122240,
66968640, -2764800, -92292480, -72904320, -155381760,
-22844160, -59587200, -81181440, 58360320, -506880,
-2020320, 6285600, -3736800, 23617440, 8686080,
10391040, 54120960, 56309760, 83969280, 45144000,
-191004480, 120372480, 300810240, -56350080, 64834560,
13685760, 214686720, -46275840, 357626880, 467804160,
-2879280, -12048480, 74111760, 24766560, -25164000,
119046240, -147769920, -138654720, 13188960, -96344640,
-10817280, 35380800, -178588800, -245825280, 790663680,
-7502400, -20736000, 88879680, 40210560, -74142720,
86676480, -19468800, -122083200, 160185600, -79626240,
312560640, -4700160, 126005760, 199376640, 261930240,
42577920, 431930880, 187038720, -18144000, -37428480,
-197199360, -471121920, -859299840, -8328960,
-114255360, -406702080, -32140800, -275788800,
-211507200, -406425600], [1, 64, 1416, 14814, 78555,
184374, 115308, 76824, 330, 9986, 123462, 737178,
1581204, 1224, -307152, 4232, 216384, 2547000, 5007264,
-1389408, 245504, 6357200, 8105280, -2952768, 6754560,
4731904, -5451776, 1704, 31644, 256644, 1071648,
1229472, 2304288, -91404, -397188, 6361128, -3222576,
-2147040, 21744, 39443904, 2208960, 55207680, 6153984,
-503676, -4777704, 4452624, 8523360, -7098912,
50497344, 36315648, 97226496, 730944, -14947200,
67585536, 6420, 86400, 389052, 377208, -3960144,
-2950560, -361728, -3461184, -1355904, -23768064,
-4714272, 30761856, -33227136, 49486848, -3177288,
-30650832, -36129888, -40167360, -40976640, -2419200,
69705216, 18112896, -101005056, -5590080, -41603328,

-40953600, -17805312, -98924544, 122508288, 12939264,
-1584, 73824, 16128, -1115136, 14821632, 333264,
858048, -49317696, 2101248, 7986432, -39719424,
-95354880, -3766464, 19554048, 21378816, 16600320,
255135744, -138074112, -32402880, -82619136,
-130104576, 105854976, 22754304, -26869248, -22993920,
61489152, -196560, -1429776, -3328128, -23246784,
-7520256, 2284416, 38426112, -93768192, 85639680,
-59599872, -8099136, 79252992, -25443072, 127844352,
-88501248, -78713856, -36993024, -21897216, -126213120,
68732928, -87588864, -798192, -11421216, -2904768,
74639232, -25544448, -37476864, 81727488, 105762816,
23189760, -89206272, 532058112, 66604032, -461002752,
-129724416, -153280512, 3322080, -30658752, -99985536,
-3020544, -145253376, -345176064, -404029440, 62968320,
-153861120, 804446208, 268959744, 36820224, 103652352,
210926592, -308938752, 333545472, -584921088,
129392640, 87906816, 171859968, 146479104, -330891264,
-353009664, 138737664, 242970624, -69009408, 107827200,
215654400, 0, 0], [1, 59, 1096, 8164, 22935, 26069,
57368, 22044, 340, 8316, 61832, 82708, -33236, -9296,
-189392, 5852, 87224, -454380, -1160496, -916048,
110544, -1482480, -2725440, -1857728, -1340480,
-222976, 891904, 1914, 29694, 147574, 99978, 1196352,
685128, -30844, 53232, -1761652, -851856, -4083120,
419224, -2760576, -3132000, -8203200, 1087104, -224616,
-627264, 6463584, 4027680, -1994392, 8821344,
-15636192, -25518464, -760896, 3308160, -8774784, 7700,
81740, 141012, -213812, 278016, -380400, -133728,
-1733504, -4179744, -1662784, -2887872, -2760384,
-5594496, -6501632, -1054248, -6006152, 3004032,
-3868320, -12150720, 14357120, -13377024, -461184,
-12859776, -1348000, -6640128, 2394240, 5540608,
-6572544, 27906048, -6875136, 4556, 175544, -364092,
3736784, 3359472, 963504, -3588112, -6756096,
-13802432, -2082368, 18724736, 13378560, 1144216,
32597088, 16961376, 20658560, -51518976, -1149312,
-6295040, 2911104, -6986496, 54242816, -15645696,

23169152, 15962880, -45314048, -189360, 134784,
-2207248, -4621824, -200256, 5692096, 7767552, 6926848,
-5128960, 39902208, -5731776, 34657152, 1283328,
-68295168, 53425152, -31454976, 29846016, 7409664,
80570880, -20047872, 48347136, -1089632, -1878656,
10919232, 9620352, 3729312, 19150976, -18010752,
-35689984, -9010560, 7972608, -72334848, -20471808,
-43379712, 66729984, 100159488, -411680, -10208672,
-48650496, 10621056, 8696064, 79755776, 61368320,
-5652480, -29560320, 134596608, -175558656, 12648864,
49690752, -12574848, 74055168, 58340352, -67327488,
-68751360, 489216, -95096832, 80815104, -37515264,
208244736, -23387136, -147941376, -17092608, -82944000,
19353600, -124416000, 0], [1, 55, 840, 2820, -22665,
-115335, -41400, -40500, 360, 7820, 32040, -260700,
-805800, 244800, 273600, 12380, 171960, -714060,
-56400, 2454000, 334640, -418000, 4646400, 2203200,
2193600, 2406400, -1280000, 2010, 24390, -90, -1074510,
-86400, -1258200, 25020, 702720, -4563900, 4770000,
4935600, 1791000, -4161600, 15386400, 15950400,
-11606400, -134280, 777600, 1274400, -5637600, -343800,
-8877600, 7668000, 8668800, 388800, -777600, 6998400,
8292, 58860, -325980, -2147220, 656640, 671760, 76320,
233280, -2377440, 10785600, 558720, 6834240, 3864960,
7445760, -533160, 558360, 4458240, 4635360, -8089920,
16260480, -115200, -1710720, 11664000, -659232,
1935360, 9383040, -1831680, 2419200, 6220800, -7796736,
7260, 178680, -1524780, 4251600, -7765200, 1277520,
-7350000, 16128000, 16689600, 11601600, 13987200,
-20275200, 2025720, 11772000, -14407200, 30211200,
-13478400, 12700800, -2986560, 6549120, 4078080,
-15736320, -53637120, 22147200, 38188800, -3225600,
-190080, 1147680, -2980800, 6004800, 950400, 3965760,
-33580800, 17625600, 43891200, -79372800, -2613600,
-60134400, -20476800, -61862400, -46656000, -19941120,
15966720, -39260160, 17971200, -116812800, -161740800,
-1271520, 5581440, 24667200, -36201600, -9324000,
-57110400, 19785600, 1497600, 5443200, 13996800,

100569600, -9953280, 71746560, 89856000, -265420800,
-2322720, 10072800, 28339200, -3888000, -28396800,
-13939200, -35942400, 2419200, 40435200, 32901120,
-99532800, 3140640, 41040000, -63504000, 19008000,
-98841600, 25920000, -54743040, -15292800, -127526400,
-46656000, -215654400, -29030400, 18662400, 161740800,
356659200, 24883200, 157593600, 107827200, 232243200],
[1, 56, 952, 6790, 23835, -490, -177940, -44520, 322,
6090, 38990, 204610, 88900, -1295000, 311920, -3640,
-54880, 802200, 1871520, -659680, -154560, 1722000,
1968960, 844480, 1120000, 573440, -573440, 2016, 21420,
69580, -112560, -2345280, -1024800, -108220, -875700,
413000, -8788080, 4048800, -1274000, 4509120,
-14978880, 1585920, -10026240, -310380, -3354120,
-4883760, -4304160, -4228000, -19884480, 3601920,
-23609600, 4683840, -10469760, -21557760, 9716, 72128,
482076, 413560, -5330640, 2079840, -384384, 777280,
16329600, 4712960, 1340640, 6115200, 9528960, 11361280,
-777672, -10352720, -2778720, 18070080, 2553600,
-65712640, -57254400, 40575360, 58302720, 3039680,
10596096, 35250432, -14594048, 44083200, -35933184,
-10063872, 20720, 96320, 658560, -1456000, -2392320,
-784560, 3214400, 5772480, 5393920, 4936960, -7221760,
-8601600, -1856960, -7714560, -5510400, 4363520,
-8816640, 6236160, 6959680, 25079040, 10187520,
2078720, -20106240, 3852800, 8279040, 1146880, -70800,
-8400, 761600, -14212800, 6504960, 488320, 23170560,
1738240, 6218240, 6558720, -8904000, -16504320,
21208320, -63651840, 20321280, 5483520, 53544960,
19783680, 19031040, -27310080, 28016640, -444080,
-2901920, 17317440, 8749440, -4972800, -25930240,
-10106880, 74117120, 31530240, -84456960, -150097920,
-34083840, 112896000, 26234880, 49029120, 1949920,
-21828800, 17512320, -9864960, -22471680, -73185280,
-11468800, 184128000, 166118400, -166010880, -55050240,
17015040, 6773760, 102681600, -91392000, 67092480,
14192640, -100638720, -1881600, -27525120, -210954240,
199557120, 72253440, -47523840, -5591040, 178913280,

-83865600, -167731200, 0, 0], [1, 53, 790, 4570, 20325, 79025, 168800, 50700, 322, 4656, 6860, 47080, 461650, 1282600, -168200, -4960, -177040, -621600, 224400, 4186400, -213600, -984000, -1471200, 2603200, -310400, -851200, 486400, 2172, 19860, 65260, 270900, 1075200, 912000, -80440, -790800, -3377800, -352800, 1171200, -161600, -3386400, 11678400, -3652800, 2006400, -86580, -790740, -6638400, -3034800, 1542200, -8368800, 19293600, 11468800, 1257600, -7252800, 4675200, 10544, 47504, 386640, 1323280, 2594400, -2745600, -396864, -735872, -2468160, 12149120, 3788160, -15173760, 2726400, -5734400, 466656, -1624160, -35036160, -7766400, 23648640, -24044800, 30528000, 14378880, 9987840, 3476864, 12106368, -36122880, 1729792, -39197184, -16662528, 22358016, 26480, 29120, 590160, 3260000, 5049600, -936960, -3256000, -6398400, 8348800, 6160000, 1568000, 7296000, 1554400, 52800, -25555200, 24886400, -211200, 4646400, 8216320, 20148480, -27816960, -5079040, -3609600, 3603200, 22540800, -21401600, -43680, 229440, -1564000, -57600, -12739200, 1120000, 5472000, 41689600, -29113600, -35673600, -5956800, -16665600, 48556800, 49459200, -35481600, 19361280, -86307840, 48230400, 22464000, -12979200, 0, -438320, 354640, -3024000, 8395200, 6967200, -10787200, 33686400, -15616000, -1132800, -43180800, 33753600, 16350720, -63267840, 37939200, 0, 839680, -7520000, -45254400, -29760000, 29606400, 37299200, 30156800, 41510400, 92851200, -73850880, -75878400, 7952640, 47942400, -29452800, -58252800, -191308800, -460800, 223580160, -34713600, 125644800, 71884800, 17817600, -180633600, -89548800, 118732800, -29184000, -73728000, 73728000, 0, 0], [1, 50, 610, 1180, -7035, -33790, -40300, -15000, 340, 4500, -3940, -64100, -202400, -278000, 54400, 920, -67360, -16440, 36000, -992800, -110640, -36000, -1032000, -329600, -473600, -640000, 256000, 2220, 14160, -23660, -188040, -79200, -283200, -39520, -55920, 692000, 1574400, -86400, -237200, 2539200, 907200, -2457600, 5376000, -78420, 372600,

3164400, 856800, -589600, 8112000, -2889600, 8416000,
-936000, 1372800, 7488000, 10832, 12080, -7920,
-658880, -546240, 675840, -251520, 1101280, 3623040,
-4336000, 180480, -5399040, -476160, -3522560, 130800,
1270240, 11386560, -312960, 7096320, 14789120,
18432000, -4058880, -10713600, 1785728, 4101120,
-560640, 225280, 6021120, -19537920, 2801664, 28640,
-66880, -276720, -491200, -1876800, -555120, -258400,
-1387200, -982400, -2316800, -4019200, 3840000, 448480,
355200, 5808000, -5382400, 15168000, -16089600,
-736640, -16888320, 8517120, -17121280, 22149120,
-9088000, -9369600, 7475200, -36720, 389520, -2168800,
705600, 3388800, 619840, 5433600, -8480000, -16153600,
6144000, -6537600, 6086400, -23731200, 24652800,
-5990400, 13931520, -19077120, -28016640, -28569600,
10752000, -20275200, -480080, 2500960, 3326400,
-4521600, -1497600, -11852800, -11212800, -5171200,
-5548800, 14476800, 43929600, 14254080, 24330240,
-20582400, -47923200, 301120, -6963200, 11539200,
9753600, 14822400, 12953600, -2867200, -12979200,
-57139200, -50257920, 72499200, 6879360, -8025600,
7411200, -4608000, 4915200, -47462400, 28016640,
-18816000, -47155200, -5529600, 47308800, 0, 15513600,
27955200, -127795200, 71884800, 22118400, 99532800, 0],
[1, 45, 330, -3210, -27855, -30195, 151200, 35100, 370,
4080, -21420, -131400, 103050, 1197000, -253800, 10960,
72720, 416880, 1126800, -669600, 118880, 878400,
1207200, -436800, 310400, 441600, -332800, 2280, 2280,
-182880, -627120, 1332000, 594000, 23040, 462240,
-759600, 3312000, -2325600, 21600, 1130400, -12801600,
2328000, -5116800, -114660, 272700, -2894400, -1220400,
-2745000, -5076000, 1015200, -14284800, 1641600,
907200, -11491200, 11472, -46800, -426960, -1135440,
5741280, -1572480, 66240, 3329280, -463680, -9014400,
-1863360, 7908480, 1739520, 5099520, -318240, 954720,
-5857920, -1399680, -3277440, -31760640, -28454400,
10316160, 3628800, 900288, 622080, -14411520, 3594240,
-3317760, -829440, 4644864, 33120, -246240, -1035360,

1418400, 1944000, 426240, 3052800, -2347200, -1526400,
-4521600, -2361600, -3916800, -912960, -8049600,
-15465600, -15580800, -5472000, -691200, -2819520,
-23016960, 5564160, -11427840, 36495360, -8352000,
345600, 24422400, -20160, 538560, -5054400, 17539200,
-6048000, 904320, 6163200, -26956800, 23558400,
18777600, -3585600, 8294400, 40953600, -19353600,
33177600, 24399360, 40227840, 70778880, -20390400,
49075200, 99532800, -527040, 6670080, -13564800,
-3801600, -14040000, 12614400, 28857600, 22809600,
20217600, 31104000, -87091200, -3317760, -72161280,
-63590400, 157593600, -642240, 7300800, -4665600,
-5356800, -20505600, 1382400, -14284800, 34214400,
8294400, -28200960, 52531200, 2825280, -7430400,
-44064000, 12441600, 44236800, 14515200, 23224320,
-15984000, -21772800, 73612800, 19353600, 29030400,
56678400, 190771200, 38707200, -74649600, -265420800,
-116121600, -232243200], [1, 46, 426, -120, 6885,
55890, 47700, 23400, 336, 2360, -32760, -1080, 88200,
-43200, -208800, -2440, -217920, -390600, -1245600,
-741600, -144160, 550400, 729600, -3321600, 2534400,
3942400, -1126400, 2424, 9360, 10800, 725760, 378000,
626400, -23040, -285120, -842400, -4838400, -3801600,
941040, 1771200, 2808000, 5049600, -8409600, 190620,
2174040, -1069200, 2181600, 3304800, -12182400,
-6998400, -1209600, -993600, 4406400, -5875200, 12000,
-45792, 135648, 1149120, 1347840, -138240, -423072,
-1922400, -6359040, 2436480, 3479040, 11128320,
-8294400, 9461760, 1238112, 1607040, -777600, 6359040,
-2626560, 32555520, -31242240, -17003520, 5391360,
-554688, 228096, 18475776, -15012864, 25712640,
15012864, -12607488, 39360, -297360, 1423440, 28800,
3268800, -1182240, -5529600, -16848000, -14745600,
17740800, 35481600, -16896000, 5810400, -3542400,
1123200, -58060800, 2073600, 29376000, -11612160,
19906560, 37877760, -25436160, -13824000, -5760000,
-27187200, 29491200, 30240, -298080, 1555200, -259200,
-1382400, -786240, -5011200, 518400, 13132800,

-6912000, 5702400, -7257600, 6220800, -14515200, 0,
-8432640, 22394880, 2211840, -4147200, -2764800, 0,
-216000, 1477440, -3628800, 9504000, 1641600, -9331200,
-25920000, 24883200, -4492800, 8294400, -23500800,
4147200, 44789760, -27648000, 0, 552960, -6220800,
-8294400, 2764800, 25574400, 62208000, -49766400,
-53913600, -24883200, -3317760, 55296000, 3732480,
13132800, -24883200, -103680000, 80179200, 157593600,
-126074880, -30412800, 91238400, 33177600, -94003200,
0, 27648000, -215654400, 188006400, 132710400,
-132710400, 0, 0], [1, 42, 210, -3276, -8379, 5922,
-81900, -22680, 364, 2268, -37548, 41076, 85680,
-297360, 221760, 7000, -72576, 491400, 514080, 1179360,
-24976, -16800, 490560, 2540160, -555520, -1612800,
358400, 2436, -2352, -117684, 402696, -1008000,
-483840, 26208, 154224, 2126880, 1128960, 3427200,
275184, -1108800, 1068480, -3816960, -1075200, 73836,
1250424, -861840, -30240, 776160, -4475520, 1088640,
-1854720, -60480, 2540160, -3386880, 12432, -101808,
-138096, -129024, -2794176, 338688, -112896, 312480,
-346752, 2911104, -3104640, -5935104, 4032000, 946176,
301392, -2848608, -2068416, -5878656, -5096448,
-14805504, -1419264, -9144576, -6096384, -1669248,
-12386304, -6096384, 2322432, -24772608, 37158912, 0,
43008, -483840, 1595664, -2681280, -2237760, 41328,
2066400, 13890240, 12781440, 161280, -19031040,
5376000, 3517920, -1411200, 9555840, -1370880,
-22417920, 14999040, -9813888, 7257600, -39965184,
55222272, -17418240, 16450560, 9676800, -19353600,
44784, -579600, 2026080, -3931200, 2056320, 455616,
1370880, 11854080, -5483520, -1290240, 2056320,
-725760, -5806080, 16450560, 5806080, -9483264,
5806080, 12386304, 30965760, 19353600, 9953280,
-214704, 2618784, -4777920, -4233600, -5322240,
4838400, 21288960, 1935360, 7499520, 15966720,
-27095040, -6967296, -51093504, 3870720, 46448640,
221760, -4596480, 21047040, -3870720, 15160320,
-71608320, 25804800, -49351680, 34836480, 116121600,

-77414400, 3265920, -19837440, 15966720, 11612160,
-30965760, 29030400, 0, -18385920, 40642560, -46448640,
38707200, 0, 63866880, -34836480, 0, -69672960,
185794560, -232243200, 0], [1, 36, -84, -6270, -2745,
87390, 35100, 27000, 406, 1830, -47070, 158310, 344700,
-88200, -226800, 21760, 66240, 529200, -1843200,
-1425600, 324080, -1116000, -1262400, -2755200,
-1216000, -537600, 358400, 2424, -22740, -274140,
789840, -309600, 626400, 91620, -142020, -1251000,
-4086000, -3276000, 401760, -5068800, -3427200,
3091200, 12364800, -193500, -1472040, -5583600,
-1188000, -2901600, 13780800, 8467200, 11980800,
2548800, -11145600, 12096000, 13380, -181152, 52668,
2349720, 1289520, -30240, 499968, 2154240, -6641280,
1578240, -3288960, 13109760, -1612800, -10567680,
-938808, -2939760, -1308960, 12519360, 6554880,
24952320, 28707840, 10627200, 21047040, 646272,
4271616, 27081216, -1050624, 34836480, -30191616,
-9289728, 48960, -846720, 3213360, -1886400, 4795200,
2134800, -2023200, 1627200, -19152000, -7718400,
4377600, 3225600, -3146400, -4464000, -14428800,
66758400, 47577600, -12096000, 2874240, 49144320,
44029440, -25804800, -58060800, 21888000, 9676800,
-32256000, 72720, -1407600, 5184000, -2548800,
-2419200, 3997440, -18547200, -22809600, -4608000,
5990400, -11361600, -10368000, 6739200, -6912000,
-47692800, 7188480, -8294400, -101744640, -31795200,
-127180800, -99532800, -170640, 3468960, -17064000,
18230400, -10800000, 66009600, -41126400, -45619200,
29548800, -102643200, 87091200, -65525760, 104509440,
118886400, -165888000, -162720, 3153600, -8553600,
-1209600, -12211200, 17971200, 6451200, 34214400,
14515200, -43130880, -38707200, 1607040, -18316800,
13478400, 45619200, 19353600, -53913600, -46448640,
-12614400, 68428800, 14515200, -71884800, -58060800,
73267200, -107827200, -77414400, -273715200,
-116121600, 431308800, 464486400], [1, 28, -420, -7350,
38535, 189630, -396900, -88200, 462, 686, -61110,

389550, -455700, -2557800, 882000, 42560, 97440,
-1093680, -7526400, 9643200, 1109360, -4194400,
9643200, 4233600, 5644800, 8780800, -2508800, 2352,
-54180, -331380, 3245760, -2116800, -1058400, 160020,
-2055060, -5203800, 9349200, 7408800, 1764000,
-19756800, 60681600, 27283200, -56448000, -747180,
-4604040, 29106000, 13759200, -16581600, 57153600,
-59270400, -79027200, -2116800, 12700800, -16934400,
15204, -284256, 1437660, 7320600, -18945360, 1905120,
1604736, -508032, -34151040, 31046400, 17216640,
23708160, -24837120, 12042240, -2480184, 17675280,
67949280, -46992960, 23143680, -145635840, -56448000,
33022080, -66044160, 12023424, 35900928, -111767040,
35223552, -70447104, -113799168, 65028096, 57120,
-1569120, 8714160, -14817600, -7761600, 5162640,
-53037600, -16228800, 43747200, 13171200, 48921600,
-22579200, -22932000, 29635200, 55036800, -115718400,
-152409600, -118540800, 30199680, -138862080,
-91445760, -252887040, 406425600, -101606400,
-158054400, 225792000, 127440, -3472560, 27216000,
-48686400, 14515200, 14515200, -129830400, 232243200,
154828800, -93542400, -48686400, 348364800, -105235200,
-280627200, 217728000, 185794560, -336752640,
464486400, -280627200, 580608000, 497664000, 5040,
-211680, 2116800, -4233600, 1411200, -16934400,
16934400, 22579200, -8467200, 50803200, -67737600,
40642560, -81285120, -135475200, 232243200, -70560,
2116800, -12700800, 8467200, -11289600, 67737600,
-45158400, 50803200, -101606400, -162570240, 270950400,
846720, -16934400, 50803200, 67737600, -135475200,
-203212800, 325140480, -8467200, 101606400, -101606400,
-270950400, 406425600, 67737600, -406425600, 541900800,
-406425600, 812851200, 1625702400, -3251404800], [1,
75, 2115, 26925, 159075, 349785, 309825, -563625, 370,
20220, 313650, 1949400, 2595150, 3015900, -112050,
63400, 1144800, 8917200, -1951200, 8922600, 123200,
20040000, -43012800, -20875200, 28016000, -47068800,
14086400, 630, 64350, 879300, 4079700, 4639950,

-19924650, 735300, 7462800, 34237800, 21697200,
-7227900, -9986400, 76420800, 17848800, 120182400,
2620800, 2960100, 15587100, 43110900, -185616900,
-83626200, 149677200, -901800, 80690400, -125814600,
-308723400, -315586800, -12888, -95400, 799920,
-1479600, 26411400, 3362040, 2770560, 27711360,
-57340800, 180144000, 12585600, -388166400, -227548800,
-267033600, 29420640, 118821600, 175413600, -6890400,
-246009600, 460166400, -403948800, -223236000,
213127200, 82885248, 12614400, 492013440, -829370880,
-658644480, 830580480, 156017664, -173400, -3146400,
-7009200, -24904800, -82863000, -1339200, 107812800,
-222177600, -79790400, 336902400, -428256000,
344486400, 59421600, 392817600, -1266861600, 850262400,
448156800, -734810400, 498960000, -287020800,
-620611200, -1041638400, 1815264000, 984873600,
-2415830400, 1534636800, -1162800, -22737600,
-60760800, 132235200, 47163600, -77356800, 14630400,
871084800, 393868800, 1497600, -182001600, 1069200000,
235224000, 1623283200, -1007899200, 43545600,
2706048000, -2027980800, 2161036800, -1136678400,
2270592000, -4633200, -77619600, -274417200,
-142851600, -284968800, -1255089600, -374781600,
-1104796800, -1021096800, -2396239200, -2428142400,
-3157315200, -2705788800, -7299331200, -9323424000,
-12470400, -74563200, 215395200, 272764800, 8524800,
1638835200, 1129651200, 775008000, 2594592000,
3363379200, 6014131200, -38482560, -96249600,
361065600, 157248000, 974937600, 966816000, 1655976960,
-88646400, 92275200, 395539200, 626227200, 965260800,
-116640000, 588384000, 772416000, 72576000, 798336000,
653184000, 958003200], [1, 64, 1521, 16354, 86255,
224484, 329823, 213954, 260, 11596, 143832, 767208,
1748084, 2291484, 1149408, 29432, 355264, 2106000,
4278144, 2381912, -256256, 1010880, 6714240, -2312128,
1123200, 12240384, -2136576, 234, 26884, 286884,
1199328, 3133962, 3384108, 289536, 1813552, 5545488,
21416304, 12164880, -5187936, -19076096, 39380640,

-14626560, 38423424, 976404, 3930576, 9189804,
25445160, -19670352, -74486256, 45434688, -37680864,
-7604376, -69535440, 26909376, -8840, -96720, -253968,
-1315392, 1208376, 5662800, 812032, 5805696, -1208064,
-12115584, -1668992, -43090944, -31614336, -11261952,
6841952, 26477568, 71484192, 59167680, -33978880,
-156199680, 28211456, 62333856, -158723136, 11955840,
21645312, 33920640, -45007872, -93709824, 106299648,
17132544, -90064, -1431456, -4996992, -10042656,
-11579568, -1433536, 11925888, 45649344, -30181632,
29499392, 148252416, -51217920, 2261376, 34102848,
205298496, -12954240, 142132224, 20000448, 13178880,
143979264, 163747584, -12739584, -168470016, -39032448,
438347520, -230750208, -436800, -6949696, -26465088,
-28851264, 6699264, -17781504, -66746368, 12649728,
-37739520, 151443968, -58371456, -137225088, 240185088,
-186920448, 94228992, -186341376, -31509504, 233785344,
-566991360, 939214848, -522722304, -890032, -9986496,
-67982928, -145692768, -7828288, -227457984,
-244837632, -35361664, -48341280, -551858112,
216083712, -241158528, -352864512, -439086336,
719566848, 624000, 35163648, 32183424, -97853184,
192251904, 16413696, -152755200, 448830720, -530449920,
328992768, -925157376, 5451264, 76207872, -21235968,
283765248, -46645248, 396145152, 171325440, 29093376,
105251328, -104472576, 209504256, 21805056, 99949824,
35403264, 6469632, 209433600, -116582400, 209664000,
0], [1, 61, 1317, 11245, 29855, -54885, -179685,
-94485, 272, 11260, 109320, 242520, -1090000, -1315140,
-415080, 32180, 310960, 798600, -5850480, -1936780,
-72800, 2450400, -8703840, 3920480, 2054400, -821760,
341760, 336, 29980, 219480, 10320, -2089080, -1389420,
320340, 1192480, -1747800, -14088480, -2381100,
-3103440, 5189920, -15416880, -7087680, -11941440,
1074300, 539340, -6746460, -9955260, -13062000,
27228720, -7636080, -27829200, -4072560, 35274240,
33379440, -8324, -43572, 203016, -1423320, 832140,
-2309220, 966016, 3546240, -24977280, -4521600,

2993920, -15824640, 37474560, 21496320, 8104688,
-5903280, -44395920, -13954800, -8220160, 81722880,
54928640, 57779280, 75076560, 16186560, -58329984,
-50528448, 1258752, 93861120, 56267136, -76096512,
-90940, -1021200, 922920, 2168400, 5538180, -843040,
17412000, -33637920, 25669920, 30210560, 7549440,
6336000, 8976240, -16568160, -82335600, -3775680,
-63349440, -26695440, 54109440, -239120640, 28258560,
197260800, -165200640, 40108800, -142709760, 33281280,
-484080, -5249920, 6842400, 37987200, -5568240,
-17400960, 28079360, -17957760, -46882560, -85262080,
-35875200, 56926080, -85380480, -256784640, 90377280,
-50534400, -150865920, 95324160, -148412160, -59354880,
-241666560, -1388560, -8517840, 27089040, 59450640,
-24395200, 95213760, 107603520, 41597120, -32957760,
275696640, 239119680, 38226240, 457254720, 423353280,
1133809920, -2437440, 16257600, 111510720, 12882240,
66693120, 208926720, -8985600, 232502400, 49795200,
409697280, 171279360, -6851520, 3434880, -51024960,
-96687360, -352369920, -405152640, -787092480,
-7872000, 22279680, -66608640, -154260480, -305948160,
-3018240, -51978240, -223326720, -16934400, -165312000,
-131443200, -261273600], [1, 57, 1206, 12210, 62469,
151173, 80784, -219780, 190, 6864, 88308, 510840,
1269774, 986040, -453816, 9328, 199584, 1569744,
3966336, 3332736, 123200, 2384448, 5284224, 3311616,
1637504, 2792064, -977152, 108, 5940, 71676, 471636,
-161568, -5056128, 29304, 403920, 4133448, 6719328,
-9846144, 212256, 11328768, 23405184, 7425792,
19008000, 20988, 811404, -2699136, -23812272, 2343528,
13163040, -36048672, 4232448, -4409856, 2337984,
-29690496, -4752, -83952, -616176, -660528, 3354912,
418176, -63360, -1457280, -734976, 19616256, -63360,
1013760, 33099264, -4359168, -700128, 8392032, 9465984,
-11366784, 38066688, 85155840, 35481600, -19046016,
46759680, -4828032, 16118784, -456192, 74511360,
101578752, -89413632, -21897216, -38544, -630432,
-3758832, -9675072, -13970880, -969408, -9877824,

-28435968, -39460608, 1013760, -3700224, -17402880,
-5046624, -12887424, -83445120, 76032000, -103099392,
45010944, -35697024, 4713984, -126669312, 269457408,
-18855936, -58544640, -20832768, 13685760, -110880,
-2160576, -8620128, 14408064, 15244416, -5803776,
-40955904, 29804544, -34771968, 95293440, -7736256,
-4790016, 684288, 40753152, 20072448, -20072448,
-98537472, 386850816, -38928384, -242085888, -87588864,
413424, -1088208, -33834240, -2109888, -15006816,
-181830528, -108155520, -159058944, -28435968,
28512000, -245279232, 5930496, -146893824, 454367232,
76640256, 4650624, 33720192, 41513472, 91086336,
14800896, -88805376, -80695296, -79377408, 306561024,
-372252672, 75423744, 14103936, 63106560, 70709760,
-1216512, -53526528, -56567808, -218972160, 33281280,
80704512, 104094720, -49102848, 53415936, 54743040,
78465024, -62042112, 47443968, 94887936, 0, 0], [1, 52,
921, 6610, 18119, 27168, -81, -27390, 200, 5824, 42288,
47400, 95984, 152040, -14616, 9968, 58384, -394656,
-333264, -501424, -57680, -1454592, -2043696, -2365984,
-806016, -312576, 156288, 318, 11620, 57876, 114216,
-405738, -594108, 70824, 74680, 21528, 1567848, 191136,
-978144, -2731232, -4178976, -763488, -7267200, 162708,
237264, -2830596, -2117592, -984432, -112560, 3357888,
3625728, -694536, 2108304, 4956864, -3752, -23232,
-167856, 599952, 1576152, -109584, 199360, -1074720,
3393024, 1819296, -3981440, -6945600, -16070976,
8474112, 610352, 2482272, 12101904, -4259424, -278272,
-12202560, -9422080, 9177984, 2856960, -1411392,
7361664, 8330688, -16010880, -23877888, -11809152,
13607424, -38704, -261312, -631632, -3318432, -1783680,
417392, 338496, 3160272, 4120032, -1866880, 3232896,
2344320, -539424, -15653184, -3476160, -10104480,
19190208, 9016704, -12268224, 16801344, -21601152,
-37201152, 12175104, -22600320, 20005632, -10264320,
-165840, -909616, 2531472, 4985424, 1016736, 85824,
19356416, 10576704, 6444672, -26700160, 2046624,
23637024, -13856832, -14736768, -12748032, 14203392,

34265088, -76660224, 42137856, -71340288, 52701696,
-160816, -892608, -12270480, -3305568, 3214784,
-1771968, 30491520, 62206976, -6335328, 10664640,
41023488, 11160576, 8004096, 137574912, -49572864,
1187904, 13681152, 925632, 8107776, 39376896, 2375424,
13077504, 27931392, 10324224, -39693312, -44706816,
936576, -14657280, -13674240, -34849152, 86860032,
-49747968, 136074240, 1303680, -48129408, 3997440,
-63395328, -33352704, -6232320, -49614336, 10948608,
-36882432, 11483136, -59904000, 0], [1, 48, 693, 2106,
-18297, -81756, -94509, 93690, 220, 5748, 21960,
-183672, -425700, -83052, 40752, 14032, 86112, -515232,
398880, 655056, 132704, 102912, 2657952, 2582208,
588416, 1334784, -310528, 414, 12924, 1548, -451440,
-1370466, 2143044, 98352, -61344, -1741248, 948672,
-72144, 490176, 4950720, 7417152, 1763136, 4529664,
227844, -930960, -6800436, 10167336, 1980144, 10194768,
-6744384, 2052288, -1584360, -1984176, -11327040,
-3384, 6192, -34416, 643680, -1210680, -144720, 263808,
-2097216, 2753280, -5697216, 115200, 4298112, 15654528,
-5999616, 1238400, -6661440, -2363904, 3238272,
15694848, 15873408, -8566272, 2190240, -20015424,
314496, -5080320, -9486720, -2315520, 11902464,
-10181376, -3732480, -40032, -40896, 1115424, -299520,
5507136, 233568, -4072320, 1433376, -3389760, 3716352,
5732352, -5195520, 1505088, -30824064, 37732608,
25562304, -38371968, -38562048, -1676160, -1676160,
28318464, 43227648, 20971008, -9786240, 37511424,
-6225408, -200160, 18720, 10536480, -3073248, -4129920,
-2424960, 8593920, -32524416, -18927360, 25314048,
4262976, 17921088, 6811776, 47727360, 6324480,
17556480, 12192768, 18607104, 38098944, 15275520,
59470848, -447984, 706752, 10040112, -4237920,
-7753536, -19866816, -21606912, -45612288, -12404448,
-12239424, -78209280, -37604736, -55261440, -105421824,
-286903296, -163584, 10409472, -352512, -16927488,
11261952, -46324224, -7428096, 32078592, -46365696,
12773376, -41859072, -2066688, -16657920, -48771072,

-81292032, -28878336, -113135616, -25712640, 1762560,
27641088, 42177024, 98454528, 234565632, 2163456,
29071872, 99256320, 8045568, 65857536, 49766400,
116121600], [1, 54, 1086, 10944, 53865, 111834, 243108,
332424, 160, 5016, 76392, 443448, 258984, 981504,
1483488, 1072, 215424, 1992240, -3122496, -3267648,
433664, 6062400, -12618240, -8587008, 6296960,
-17815296, 4189184, 84, -2976, 7884, 490968, 2080512,
4857408, -77904, 7632, 5911488, 10511424, 13875840,
2581344, 27702144, 1468800, 32432640, -44599296,
-290196, -643464, 7774704, 29484000, 9682848, 56329344,
46770048, 81478656, 12498624, 63296640, 90533376,
-2640, -77760, -798768, -3726432, -1041984, 5546880,
-350208, -3867264, -30011904, -23238144, 2441088,
-62913024, -28601856, -61734912, -2226528, -8724672,
-20124288, 51321600, 35665920, -77137920, -156432384,
57977856, 122425344, -5028480, -21109248, -45411840,
6801408, -9621504, -11446272, 7962624, -17664, -336096,
-1333152, -5895936, -9756288, -968256, 235008,
-6518016, -16975872, 18519552, -47361024, 78213120,
-3858624, -20950272, 15780096, 87367680, -237275136,
239044608, -11854080, -45536256, 69755904, -131825664,
-36827136, -23182848, 9538560, 18911232, -8640,
-1480896, -1980288, 4997376, -4271616, -8619264,
-17722368, 102601728, 2764800, -16146432, -6137856,
-159003648, 78133248, 95219712, 466808832, 62705664,
-117448704, -310542336, -33177600, -76972032,
-47775744, 816048, -1018656, -5997888, -70720128,
-38337408, -17293824, 75437568, -96159744, -49455360,
-390292992, -471287808, 305068032, 359313408,
155602944, 35831808, 5673600, 27019008, 90008064,
-117863424, -88436736, 371367936, 333250560,
-318228480, -468357120, 130940928, 12386304, 14909184,
61627392, 57480192, -95219712, 246177792, -409079808,
79626240, 26459136, 120434688, -76640256, 58392576,
-306561024, 23721984, 142331904, 189775872, 0, 0, 0,
0], [1, 47, 736, 5260, 15519, 1913, -31096, -21300,
160, 3084, 28568, 97060, -142256, -157760, -72416,

-2092, 39584, 407244, -1047864, -330784, 72240,
1228368, -998016, 793216, 847264, -697216, 214528, 378,
1350, -6074, 20946, -345408, -224088, -51556, -293760,
726308, -1726032, 130416, -152744, 1707168, -488736,
-588768, 1646400, -146472, -619776, -284256, -1425312,
-333592, -8086560, -3545952, -7304192, -215616,
-8693376, -12898176, -652, -9412, -145836, -357668,
912192, -420144, -45120, -743360, -4694976, -1953664,
-4320, -593760, 1550784, -8244608, -631368, 755512,
738624, -178464, 1282368, 6535040, 5783040, -9004416,
-11525760, -1680352, -2033856, -8274432, 8778880,
-4777728, 2262528, 1188864, -14164, -52792, 145668,
-529792, 1147920, 339792, 4004816, -285888, 8001472,
4350880, 6199616, 3217920, -38024, 7508256, 9199200,
-11508160, 18254208, -25355136, -1898624, 7907904,
24955008, -27834112, 4998144, 2801600, 15906432,
-10649600, -45600, -577056, 1472672, 7392384, -1129344,
-1179776, -934464, 628864, 5741312, -7023360, 4785504,
-2027136, -6740352, 21568512, -49254912, 8572032,
-22148352, -22001664, -405504, 40192512, 11897856,
293344, -1707008, -4187520, 807552, -6040416, -2267008,
-205440, -17768704, 14435712, 34394880, 40055808,
42176256, 27657216, -47889408, -681984, 2188384,
5833312, 15566592, -115584, -9640704, 41037824,
14511104, -18801408, 22708224, -25393152, -40728576,
1456416, -9601920, -24205440, 8779008, -54609408,
79759872, 11888640, -3073920, -19292928, -22256640,
27835392, 63737856, -14657280, -32119296, -5609472,
-18450432, -36900864, 0, 0], [1, 44, 601, 3634, 13575,
60584, 124943, 102594, 160, 2136, 6752, -13112, 259384,
491824, 526168, -3088, -48016, -474720, 16464, -473008,
-24816, -814080, 1472880, 10912, -903680, 1524224,
-381056, 534, 4164, 8884, 132408, 671262, 733908,
-28744, -288888, -522712, 1413144, 1718400, -255776,
-1869216, 2576160, -2672160, 845184, -47196, -157104,
-340596, 1191240, 77648, -4430256, 3091008, -1332224,
160824, -3479280, -1199424, -40, 5600, -107568, -53072,
-96744, 2224560, 44352, -816224, -3250944, -7196704,

-700032, 4658496, 7017024, 9430528, -77808, 736288,
-2601168, 2865120, 2123520, -9607360, 10642176,
-452544, -8021376, -520000, -5678208, -2349120,
11893888, 23529216, 1761408, -8234496, -13264, 40064,
-56112, -1184416, -3998208, 771024, 3643328, 3735024,
-10601312, -2242688, -5236864, -5715840, 374176,
4780608, 4092096, -7967200, -11196096, -4156032,
3847360, -23616576, -1934976, 13696256, 8742144,
14058752, -46233600, 23625472, -61680, -97296, -55888,
-1175184, 2174304, 1264576, 5951232, 4193728, -2174080,
-1967232, 613344, 1956192, 11251008, -1331328,
-14876928, 6818304, -12847104, 17462784, 25608960,
-42707712, 18095616, 86128, -286016, -8419248,
-16589088, 3127872, 11135936, 87168, 14840576, 2696160,
1316928, 20431872, 12590592, 27376128, -32203776,
-36191232, 865600, 8071168, 11239104, -21617664,
1511424, -33505024, -30484480, -2311680, -25240320,
-9126912, 100598784, -3271296, -549888, 62103552,
-11667072, -2419968, 38149632, -82344960, -11416704,
-730752, 18987264, -24635904, 17796096, -21037056,
39327744, -18290688, -22579200, 22579200, 0, 0], [1,
41, 448, 1000, -6873, -14269, -25216, -32604, 178,
2304, 2864, -82928, -48050, -170216, -143096, 200,
7124, -273480, -62532, -7480, 23280, -235440, 443712,
532384, -127712, 474848, -99968, 582, 3810, -3086,
35214, 70848, -263976, -12556, -12792, 745460, -287808,
-112464, -147776, 803640, -1970352, -809952, 551424,
-33312, 260496, 1688688, -650016, -117280, 2223840,
1699968, 2993536, 358560, 2703360, 5119488, 32, 6248,
-115056, 346600, -138000, -620160, 40872, -755456,
245880, 788816, -304800, 3812928, 1205184, 954688,
-131136, 1749760, 200784, 505248, 43632, -6206944,
-1889280, 2304480, 8337600, -700000, -383040, 761280,
1089280, -1042944, -2254464, 783360, -14020, 76256,
14772, 298280, 868992, 457344, 632240, 509712, 2514208,
942784, 494336, -1499520, -284840, 3389136, -9085632,
-4251424, 1715520, 11800320, 1335520, 8444160,
-1951104, -6671488, -5312256, 6700160, -3940224,

3883264, -72648, 124560, 1225640, -607680, -634848,
-255968, -3087456, -6852224, -5939392, 2898816,
-2316240, -5921472, 880704, -3456, 17081856, -4310400,
-1064448, 16639488, -11147904, 21334272, -13750272,
14128, -439232, -2279664, 7051680, 1028160, 6780224,
-3917184, 2154368, -4168416, -20402880, -19379712,
3008256, -14957568, -40399104, 9529344, 752128,
1411840, -4367040, 4842624, 4416960, -4756096,
-5682688, -8859648, 4114944, -10665984, 12503040,
-1394016, -16167360, 2389632, -8466048, -8551680,
12775680, 7833600, 1272000, 8873472, -12932352,
16674816, -53222400, 5176704, 32593152, 9090048,
16948224, -1492992, 32348160, 0], [1, 36, 213, -2310,
-21753, -2304, 49059, 32346, 208, 2424, -4896, -130968,
338760, 242064, 127224, 5920, 75744, -136080, 1502208,
356400, 134000, 547200, -22128, -1953696, 1400768,
-3274752, 497792, 642, 1020, -62676, -234216, 282618,
131004, 12024, 61128, -490680, 801432, -861984, 126144,
-221760, -1554912, 21408, 351744, -20052, -67824,
-1210572, -667656, -596880, -3255120, -1968192,
-4803264, -124200, -2378160, -5182272, 312, 8928,
-188496, 722160, -1169640, 753840, 81792, -877536,
2957760, 3469536, 1653120, -3978432, -7068096,
-5701632, 4464, -159840, -1180656, -2620512, -1162368,
3226176, 5137920, -2203200, -8035200, -380160, 622080,
3473280, -4129920, -2571264, -82944, 1658880, -14400,
165456, -298368, 941040, -878688, 148464, -2831040,
3342672, -5969952, 9350784, -21245184, 7850880, 322560,
-2192544, 2222208, -6051744, 11747520, -13236480,
1828800, 10653120, -6493824, 1642752, 12420864,
3925440, -20317824, -2831616, -88848, 778320, 835920,
-8892720, 1886112, -2294208, -8891136, 14769216,
-1832832, 5268096, 1326240, 4429728, 1093824, 2553984,
-15531264, -8778240, -12400128, -20086272, -17881344,
-9255168, -26998272, -127872, 1444608, 1126656,
-1728000, -3386880, 5336064, 7572096, 2395008, 8792064,
37635840, 28470528, 16246656, 21710592, 46123776,
126987264, 188928, 1728000, -13685760, -867456, 714240,

1776384, 17551872, 7869312, -539136, -7547904,
16035840, -1472256, -9192960, 14504832, -14940288,
41022720, 4250880, 8294400, 5063040, 42083712,
15199488, 70903296, 10368000, -6224256, -53768448,
-116646912, -8211456, -50429952, -34007040, -82944000],
[1, 41, 502, 3250, 13845, 18725, -29680, -91140, 142,
720, 4340, 77560, 257950, 191800, -323960, -8800,
-58000, 184800, 1466640, 859040, -3360, 100800,
2644320, 266560, -156800, 1191680, -250880, 636, -60,
-24020, -251580, -675360, -974400, -65800, -502320,
-1502200, 3390240, -2419200, 172480, -4572960, 6229440,
-1296960, 6625920, -68340, -1324260, -4878720, 2958480,
1723400, -4270560, -5177760, -1433600, 4193280,
17330880, 14878080, 1616, 16688, 158256, 103600,
-144480, -672000, 2496, 595840, -624960, 2334080,
739200, -6706560, -2849280, -5734400, 382368, -590240,
-5832960, 309120, -1895040, -3861760, -14676480,
1142400, 7983360, 1366400, -169344, -69888, -9675008,
-12203520, 7612416, 2193408, -5200, 13760, 109200,
-599200, -2231040, 241920, 2340800, 7143360, -3436160,
-721280, -689920, -3763200, 189280, -2089920, 9004800,
-5676160, 4005120, 5752320, 4211200, -5725440, 6236160,
-13619200, -2042880, 5600000, -12203520, 8028160,
-21600, -187200, 437600, 2995200, 1902720, 352000,
-5556480, -3422720, 8833280, 23907840, 5054400,
-2173440, -23765760, -18708480, 33269760, -2357760,
18385920, -48844800, 7303680, 2595840, 6266880, 195280,
-921200, -4072320, -141120, 252000, -13310080,
-24178560, 1648640, 17767680, 54324480, 13493760,
-16504320, 16450560, -32471040, -12533760, 851200,
7436800, 618240, 24890880, -7042560, -37596160,
-12544000, -22310400, -46771200, 71393280, 21073920,
-4381440, 16638720, -27148800, 45964800, 31503360,
-84510720, 21934080, -13977600, 16988160, 3870720,
55050240, -61931520, -16558080, -16558080, 33116160, 0,
0, 0, 0], [1, 38, 358, 976, -3327, -41206, -42364,
69960, 160, 888, 3080, 16888, -216920, 34048, 125152,
-5728, -3328, 310368, -554880, 275456, -19776, 230592,

-1056768, -611072, -11264, -495616, 90112, 684, -576,
-14012, -157560, -561696, 1023744, -49648, -75024,
904832, -1051968, 364416, -166784, -1789440, -741888,
-52224, -2098176, -62916, -507240, 525744, 1609056,
350624, -3484032, 3328896, -1428992, 1406400, 1916544,
2956800, 1616, 8192, 105264, 97120, 456000, 174720,
-11712, 929344, 2419200, 1996544, 374400, 1992192,
-932352, 3149824, 145440, 1412800, 5678976, -2719488,
-1554432, 14148608, 11962368, -4992000, -6580224,
649856, 2557440, 4001280, -1710080, 897024, -1345536,
0, -5632, 9344, -36096, -1438720, 1741056, -14592,
723200, -3477504, -3107840, -1092608, -1374208,
1351680, -939392, -3131904, -5033472, -2983936,
-8982528, 9802752, -93440, 3271680, -15891456,
17358848, 1486848, -1515520, -8503296, 1441792, -26880,
-99840, 1815680, -1064448, -1236480, -421760, -4293120,
-252416, 5181440, -7790592, 2259456, -7145472,
10100736, -13977600, 6082560, -8017920, 15003648,
28114944, 2801664, -15974400, -4718592, 159856,
-1771808, 3897792, -3277440, -114816, -687616,
11831808, -4937728, 9637632, -904704, -2365440,
-33724416, -36679680, 23801856, -1622016, 946816,
-1641728, 5564928, -9028608, -3237888, 17739776,
180224, -6739968, -15446016, -9191424, 18382848,
-1686528, -7833600, -24748032, 20656128, 2433024,
7225344, 0, 399360, 4988928, 40034304, -38879232,
-14450688, 8380416, -2162688, -37847040, 21086208,
42172416, 0, 0], [1, 35, 250, 430, 3585, 15575, 15800,
-19500, 160, -60, -9880, -11420, 50800, -8000, -15200,
-6400, -52480, -146400, -150000, -407200, 4560, -48000,
-326400, -435200, -123200, -880000, 140800, 840, 780,
18280, 34740, 153600, -297600, -29860, -9240, -194500,
745200, 224400, 384880, 609600, -1627200, 2092800,
-2918400, 40140, -57420, -633600, -550800, 669200,
4396800, -1507200, 2310400, -888000, -2932800,
-5664000, 2012, -340, 75060, 184420, 54240, -56400,
-30240, 135040, -925920, -249280, 862800, 473280,
-1377600, 1661440, 391200, 736720, -1495680, 44160,

245760, 5296640, -1716480, -3402240, -1831680, 488288,
-285120, 1098240, -2597120, 2565120, 3202560, -1253376,
-3760, 21200, -237120, 257600, -480000, 32160, -34000,
3321600, 3294400, -3185600, -4048000, 2112000, -886400,
-1113600, 5030400, 9593600, 1862400, -7795200, 495760,
-3758400, 1878720, 5680640, -1363200, -2732800,
12518400, -7116800, -27840, 116400, -354400, 374400,
307200, 304960, -1843200, -819200, -947200, -3532800,
-1438800, -3403200, -907200, 5337600, -3168000,
-1484160, -288000, 6435840, -7948800, 13286400,
-7603200, 77920, -638960, -1728000, -158400, 2024400,
8004800, 4440000, 1088000, -1536000, -2054400,
-15264000, -9707520, -5898240, 6144000, 15206400,
379600, 2354800, -1536000, 1128000, -9590400, -6995200,
9651200, 3321600, 12499200, 16281600, -27494400,
-3152640, 4684800, 5107200, -3360000, 13862400,
-4608000, -12533760, 1056000, -6547200, -16243200,
-18816000, 40550400, 14131200, -11212800, -2918400,
16128000, -16128000, 0, 0], [1, 31, 78, -1670, -6883,
-9489, 2184, 9396, 188, 244, -7056, -108, 36620,
-23856, 12144, -1360, 18064, 136320, 108048, 320480,
-30080, -40560, 186432, 386624, -226752, 1035648,
-142848, 852, -3320, -8916, -40296, 125088, 87984,
-12996, 226648, 684780, -677328, -238704, -247536,
-239360, 2132928, -28032, 1611264, 7308, 82356, 965568,
-678096, -71280, -314880, -423552, 20736, -461760,
-1673280, -844032, 2092, -14292, -18636, -113580,
-427680, 105840, -5888, 242784, -708960, -212544,
-331760, -2659392, 921024, -1469952, 120464, -73440,
-2100096, 894528, 21632, -6568704, -6350080, -46080,
2419200, 34080, -1790400, -1509120, -625920, -2909184,
4363776, 0, -3280, 34656, -344208, 360000, 436032,
-45616, -145920, -2813568, -1994112, -1527616, 6688896,
-2142720, -822240, -148224, -2305152, 2151936,
-1466880, 1566720, 313680, -3481920, 4165056, -3998208,
-1679616, -4078080, 3442176, 1327104, -31248, 340880,
27600, -826560, -116928, -435648, 51584, 2240256,
2339328, 3147776, 881520, 7403328, 903744, 3085824,

-6384384, 4629120, 52992, -17452032, 4962816,
-14404608, 7216128, 37328, -608352, 2366976, 1278720,
1540880, -3256896, -3964224, 578048, -2528256,
-4055040, 11520768, 5907456, 20477952, 22726656,
-4847616, 370128, -1927440, 11520, -1215936, 2382720,
-1633536, -3898368, -2896128, 6729984, 12312576,
-7464960, -1682496, -1167360, 2610432, 8393472,
-8071680, 4193280, 0, 5479680, 13853952, 2262528,
-13569024, 0, -4156416, -6248448, 38320128, -21620736,
-9050112, -33546240, 0], [1, 25, -150, -3410, -3295,
47625, 78000, -62100, 230, 400, -7140, 20040, 258350,
-299400, -22200, 6800, 82960, 1200, -457200, -1012000,
11680, 283200, -1552800, 430400, 297600, -326400,
76800, 840, -11960, -60960, -76080, 931200, -759600,
9120, 160480, -1508400, -2832000, 1423200, -569760,
695200, 4800, -1713600, -1680000, -73380, -367860,
-1161600, 2336400, 141000, -3141600, 1471200, -2380800,
1862400, 5169600, 6921600, 2512, -28560, 18480, 563760,
220320, -172800, 114880, 591360, -759360, -512640,
-75200, 3373440, 1555200, 2949120, -79840, -476640,
-627840, 132480, 1028480, 11646720, 15388160, -270720,
-1002240, 293568, 706560, 2776320, 2058240, 7127040,
-3225600, -1990656, -2080, 45600, -622560, 2628000,
-2491200, -46720, 326400, -6504000, 6825600, 2172800,
3321600, 691200, -532800, -1560000, 15984000,
-14025600, -2054400, 9446400, 540480, 2764800,
-5264640, 20152320, -12441600, -5356800, 5875200,
-6912000, -35520, 708800, -2366400, 1411200, 748800,
-1768320, 9824000, 6758400, 1939200, -12736000,
5956800, 2304000, -12268800, -10291200, 10598400,
-1850880, -5760000, 22609920, 17625600, 17280000,
22118400, -34240, 549120, -2544000, -1728000, -2756800,
326400, -4166400, -11545600, 3782400, -17740800,
-12595200, -24975360, -28293120, -33177600, -94924800,
148800, -1281600, -3168000, 3859200, 3840000, 12902400,
1382400, -3801600, -13363200, -4608000, -8294400,
-1149120, 3014400, 17913600, -5068800, -17817600,
-5760000, -9953280, 6499200, 8870400, -29836800,

-7680000, -12441600, -23040000, -77414400, -16588800,
30412800, 106905600, 46080000, 99532800], [1, 30, 90,
120, 13365, 42930, 119700, 167400, 160, -1560, -20520,
-11880, -178200, 259200, 741600, -7400, -83520,
-253800, -1159200, -712800, 139040, 1564800, 2361600,
3782400, 1049600, 768000, -102400, 1080, 720, 79920,
164160, 32400, 453600, -8640, 8640, -2484000, -7084800,
-1036800, 1030320, 2635200, -3240000, -2937600,
10944000, 199260, 463320, -1242000, -9914400, -1706400,
6480000, -2160000, -7430400, 388800, 12700800,
13478400, 2592, -30240, 185760, 492480, 2280960,
2488320, -151200, -799200, -622080, -8968320, 2764800,
13893120, 9676800, -18800640, 531360, 967680, 9694080,
-23016960, -16450560, -5322240, -8017920, 13271040,
24468480, -1225152, 8328960, 16070400, -10920960,
-39536640, -11197440, 11280384, 960, -32400, 15120,
-28800, 1252800, -142560, -1468800, -1123200, 1497600,
1612800, 6912000, -1536000, 21600, -1814400, -1296000,
-7603200, 6220800, 11404800, -3663360, 12441600,
1658880, -7741440, -8294400, -3916800, 9676800,
-3686400, -12960, 108000, -604800, 259200, 3110400,
354240, 1209600, -8467200, -691200, 15206400, -1555200,
7257600, -18662400, -6220800, 16588800, -138240,
12441600, -24330240, -4147200, 8294400, 0, 60480,
-527040, -172800, -9849600, 1296000, 16934400,
14169600, -30412800, -5875200, 16588800, 15206400,
-5806080, -28200960, 16588800, 0, 115200, 2419200,
8294400, -20736000, -19584000, -9676800, 1843200,
29030400, 58060800, -16588800, -33177600, -2903040,
2073600, 58060800, 12441600, -107827200, -74649600,
112803840, 8294400, -91238400, 66355200, 149299200,
-132710400, 27648000, -82944000, 55296000, 0, 0, 0, 0],
[1, 27, -30, -1146, 6201, -4473, -37800, -41580, 184,
-1212, -13608, 46116, -103320, -70560, -181440, -3200,
-33696, 40320, 136080, -30240, 35504, 352800, 255360,
-147840, 351680, -739200, 89600, 1056, -4092, 54576,
88956, -100800, -30240, 2268, 156744, -538020, 1960560,
781200, 295344, -1512000, -1350720, -860160, 1075200,

138636, 218484, 120960, 3371760, -1113840, -2661120,
3507840, -4273920, -665280, -1995840, 2661120, 2652,
-45108, 107604, -397404, 18144, -704592, -105696,
-745920, 530208, 915264, 1002960, 2471616, -141120,
-1365504, 225792, -1684368, 3556224, 6096384, -5822208,
-6580224, 9950976, 8999424, -6822144, -1457568,
1705536, -3193344, 6918912, 5225472, -7838208, 0, 1968,
-23760, 189504, -463680, -725760, 16128, -126000,
-322560, -1229760, 1270080, -5120640, 1344000, 584640,
-806400, -3144960, -1370880, -4273920, 483840, -484848,
-1270080, -9301824, 4419072, 6531840, 2338560,
-9676800, 3225600, -13536, 180720, -414720, 1382400,
-1054080, 23616, 679680, -1451520, 3502080, 92160,
79920, 4069440, 5728320, -5322240, -1969920, 3977856,
725760, 635904, 5045760, -15897600, 7879680, 46656,
-632016, 967680, 2116800, 2010960, -302400, -4415040,
-5322240, -5806080, -9434880, 15240960, 10450944,
6967296, 3870720, -15759360, 156240, 468720, -4354560,
4898880, -8023680, 14273280, -1612800, 26853120,
-26853120, -34836480, 29030400, -2177280, 9192960,
-13063680, 725760, 5322240, 0, 0, 7015680, -21047040,
-10160640, 24192000, 0, -3870720, 52254720, -48384000,
-40642560, 40642560, 0, 0], [1, 22, -210, -2336, 6761,
-6438, -11100, 42120, 224, -872, -7128, 96696, -95320,
215040, 104160, 4400, 21664, 62160, 166080, 330560,
-33536, -528000, -503040, -931840, -337920, 0, 0, 996,
-13472, 15996, -20424, -494400, 192960, 18288, 144784,
-304320, 125760, -1276800, -315936, -118400, 362880,
1021440, -2688000, 12636, -227496, -943440, -2478240,
848160, 1879680, -3077760, 3271680, -98880, 3692160,
-698880, 2992, -62208, 197904, -634464, 264384, 459648,
32704, -486720, 2070528, 739584, -1187840, -3308544,
-1935360, 4571136, -147808, -2023488, -544896,
-5435136, 4047872, 7566336, -1490944, 1281024, 5031936,
-1060608, 1314816, -2110464, 4841472, 4472832,
-6709248, 0, 3488, -33600, 511584, -132480, 1146240,
249728, 1219200, 3555840, 483840, 327680, -675840, 0,
694080, 3667200, -34560, 4101120, 11182080, -8386560,

2629632, 6082560, 13418496, -17891328, 0, 6082560, 0,
0, -14976, 239360, -1240320, -230400, 645120, -902784,
1057280, 2081280, -3102720, -3543040, 741120, -5852160,
-5114880, -6051840, 8110080, -6703104, -10874880,
17301504, -10506240, 27648000, -6635520, 21776,
-501216, 2786880, -3542400, 1439360, -15168000,
3816960, 10434560, -5825280, 18961920, -21719040,
13953024, -18837504, -51425280, 9584640, 163200,
-1946880, 3018240, -2257920, 4024320, -2027520, 0,
-3041280, 9031680, -9584640, 0, -1255680, 7541760,
-6036480, -4055040, 12042240, -11980800, 0, 7034880,
-15114240, 18063360, -15974400, 0, -24145920, 12165120,
0, 24330240, -72253440, 95846400, 0], [1, 15, -420,
-2280, 23715, 15885, -34200, -29700, 280, -900, -6120,
106020, -405000, -100800, -100800, 16300, 33480,
-585900, -381600, -543600, 92240, -351600, 1593600,
2049600, 195200, 1209600, -179200, 870, -28830, 13770,
291510, -57600, 135000, 33660, -405360, -1471500,
1861200, 1839600, -346680, 6825600, 1058400, -672000,
2956800, -230040, -406080, 1447200, 3650400, 1647000,
-2095200, 1663200, 3715200, 129600, -7516800, -9072000,
3972, -75060, 684180, -408420, 1244160, -650160,
372960, -889920, 1473120, -3885120, -43200, 2142720,
2419200, -7127040, -398520, 3705480, 4769280, 6078240,
4760640, -2989440, -20805120, -15500160, -14152320,
1656288, 3957120, 8864640, -21565440, -25159680,
14515200, 4644864, 4860, -138600, 732420, -1760400,
-1630800, 451440, -4568400, -3312000, -2116800,
2563200, 748800, -1612800, -1848600, 3146400, -7020000,
1843200, -31852800, -604800, 3579840, -10368000,
-31691520, -1290240, 29030400, -3513600, -21772800,
16128000, -12960, 280800, -2829600, 4104000, -1209600,
-1546560, 9072000, -21600000, -15897600, 17280000,
2700000, -35769600, 19440000, 29376000, -11404800,
-20874240, 35251200, -24330240, 6912000, -30412800,
-41472000, -4320, 293760, -129600, 2505600, -367200,
13392000, 9072000, 7603200, 8380800, 17107200,
26611200, 5598720, 31933440, 80179200, 124416000,

79200, -1533600, 4147200, 604800, 5932800, -8640000,
-3225600, -16588800, -7257600, 20736000, 19353600,
-781920, 8899200, -6480000, -22118400, -9676800,
25920000, 23224320, 6134400, -33177600, -7257600,
34560000, 29030400, -35596800, 51840000, 38707200,
132710400, 58060800, -207360000, -232243200], [1, 6,
-618, 240, 52065, -101430, -258300, 189000, 352, -1800,
-12600, 73080, -1171800, 2016000, 50400, 33760, -82080,
-1814400, 5040000, 2620800, 647360, -67200, 6316800,
-8332800, 4659200, -12902400, 1433600, 636, -50880,
187380, 1388520, -2671200, 604800, 35280, -1930320,
2419200, 14616000, -8668800, -120960, 2419200,
-43545600, -15590400, 8601600, -679860, 2714040,
20790000, -26157600, -7711200, -26006400, 13910400,
-16934400, 4536000, 12700800, 36288000, 6096, -84672,
1750896, -5070240, -3810240, 1572480, 1097856,
-5564160, 0, 7096320, 14999040, -13547520, 0, 12042240,
-356832, 21833280, -54794880, -5080320, -20321280,
-44513280, 89026560, -2903040, 69672960, 10160640,
-37545984, -38320128, 13934592, 108380160, 65028096,
-37158912, 4320, -502560, 1895040, -11491200, 13305600,
302400, -33264000, 80236800, -7257600, 16128000,
-51609600, 12902400, -13507200, 45158400, -31449600,
-146764800, 158054400, 120960000, -3064320, -133539840,
137410560, 258048000, -232243200, -83865600, 232243200,
-129024000, 8640, 336960, 3456000, 5011200, -691200,
2350080, 23500800, 19353600, 33177600, -27648000,
12614400, 74649600, -31104000, 38707200, -33177600,
64143360, 46448640, -70778880, 160358400, -88473600,
132710400, -10800, -211680, -4536000, -4233600,
-3024000, -16934400, -36288000, -48384000, -8467200,
-108864000, -67737600, -87091200, -81285120,
-135475200, -497664000, 40320, -1209600, 7257600,
-4838400, 6451200, -38707200, 25804800, -29030400,
58060800, 92897280, -154828800, -483840, 9676800,
-29030400, -38707200, 77414400, 116121600, -185794560,
4838400, -58060800, 58060800, 154828800, -232243200,
-38707200, 232243200, -309657600, 232243200,

-464486400, -928972800, 1857945600], [1, 54, 1131,
11154, 57915, 131274, 50193, 208494, 130, 6006, 72072,
468468, 1212354, -1335906, -200772, 14872, 144144,
1441440, 7145424, -6517368, -176176, 720720, 23509200,
-4852848, -1281280, 24820224, 15027584, -546, -1716,
15444, 30888, 1166022, 5050188, 113256, 792792,
-586872, -1142856, 4324320, -576576, -14785056,
4324320, -22170720, -12863136, 324324, 2687256,
4957524, 20849400, 1575288, -30486456, 39104208,
-51521184, 1945944, -2779920, 2223936, -8580, -154440,
-648648, -1976832, -11444004, -4169880, -82368,
3459456, 9637056, -63258624, 11819808, 66470976,
-55969056, 23282688, 432432, 14084928, -15011568,
-42625440, 46949760, 59304960, -143567424, -17235504,
47814624, 0, 19274112, -66718080, 84509568, -1482624,
-26687232, 8895744, -41184, -988416, -5065632, 5189184,
19274112, -3459456, -17420832, 52138944, 53003808,
-494208, 119598336, 162264960, -10131264, 20262528,
50409216, 101312640, 239937984, -71165952, -21003840,
83026944, -46702656, 253034496, -87474816, 9389952,
-103783680, 481358592, 0, -1606176, -23351328,
-36694944, -11490336, -8895744, -141343488, -160123392,
-111196800, -276262272, -39289536, -140107968,
-204602112, 130470912, 48926592, -124540416, 35582976,
-302455296, 88957440, -590084352, 747242496, 803088,
10749024, 18347472, 50779872, 23598432, -77467104,
184586688, -213992064, 20386080, -15567552, 11860992,
-229065408, 529296768, -687937536, 373621248, 2882880,
25204608, 37312704, 25698816, 40195584, -63258624,
-136730880, 56833920, -69189120, -150239232,
-480370176, 8895744, 41513472, 71165952, 17791488,
56339712, 71165952, 88957440, 22104576, 46096128,
65505024, -56070144, 11321856, 38548224, 53374464,
-47443968, 34214400, 68428800, 0, 0], [1, 49, 861,
5929, 18095, 11319, 49203, 39039, 140, 5236, 30492,
94248, -143836, -322476, -196812, 15092, -16016,
175560, -521136, -724108, -367136, -36960, 480480,
1608992, 295680, -5677056, -3015936, -336, 7084, 24024,

-62832, 1291752, 967428, 146916, -41888, -1753752,
-613536, -3571260, -2406096, -8867936, -2827440,
4065600, -5159616, 407484, -65604, 6274884, 4948020,
-3703392, -12422256, -18635232, 32011056, 8866704,
887040, -6205584, -7700, -69300, 35112, -1384152,
-2431044, -235620, 216832, 3015936, -2601984, -3193344,
3380608, 7451136, 19603584, -13128192, 1442672,
-2871792, -2450448, -2679600, -12517120, -2661120,
27163136, 6176016, 22541904, 2143680, -7125888,
-8648640, -3962112, 20165376, -8249472, -5677056,
-44044, -558096, -90552, 5540304, 3070452, -1525216,
5536608, 22227744, -5847072, 315392, -27439104,
-26611200, -4357584, 20542368, 19703376, -34816320,
-85436736, -16953552, -6652800, 52867584, -23861376,
-110820864, 55824384, -2542848, 24837120, -62270208,
-79200, -970816, -7347648, -11841984, 1234464,
-2158464, -24226048, 10674048, 19810560, 31716608,
-14621376, -53399808, -3592512, 126964992, -31223808,
-45889536, 26966016, 20342784, -16853760, -62506752,
137719296, 171248, 5651184, 14809872, 1578192,
26187392, 54390336, 9195648, 17183936, 70445760,
2838528, -48447168, 119794752, -47500992, 12137664,
-238436352, 73920, -1374912, -15656256, 14769216,
-6859776, 9225216, 63866880, -43908480, 128177280,
-709632, 306561024, 753984, -10969728, -25236288,
-35304192, -3134208, -96421248, -56770560, 1618176,
-27804672, 6983424, -30342144, -7225344, -3902976,
-34062336, 9580032, -26611200, 8870400, -44352000, 0],
[1, 45, 645, 1725, -14625, -92565, 20475, -101925, 160,
5340, 12600, -81000, -813600, 611100, 325800, 18100,
-18000, 318600, -2098800, 3280500, -143200, 2239200,
400800, -2839200, -966400, 3264000, 2758400, -240,
11100, -9000, -385200, 765000, -2486700, 162900,
-626400, -2007000, 741600, 4194900, -507600, 7783200,
6325200, -8155200, 8894400, 459900, -2675700, 4760100,
-11634300, 997200, 17377200, 20293200, -12546000,
6253200, 0, -5216400, -7428, -20340, 381960, -1747800,
3545100, 994140, 247680, 789120, -15523200, 24854400,

5817600, 19641600, -31161600, 13324800, 2116080,
-18414000, -4179600, 7203600, 12326400, 3801600,
-44179200, -18759600, -46494000, 3803328, -34577280,
52902720, 66735360, -50492160, -64333440, 30772224,
-47100, -291600, 3205800, 4165200, -8394300, -1620000,
6832800, -25178400, -2988000, -12787200, -13248000,
23232000, -1472400, 19620000, -39884400, -24350400,
102484800, 45500400, 3168000, -24710400, 13305600,
51955200, 1900800, 2937600, -21427200, 48211200,
-126000, -489600, 4471200, 7862400, 680400, -4176000,
-1094400, 14774400, -24825600, -1785600, -9936000,
31881600, 31881600, -15724800, -388800, -23500800,
95385600, -51148800, -21600000, 79315200, 19699200,
-118800, 3812400, 15238800, -11286000, 11361600,
28036800, -44625600, 5572800, 50155200, 2073600,
-33566400, 119880000, -107179200, 111499200,
-150854400, -763200, -5400000, -40046400, -18360000,
-44697600, -172800000, -57830400, -149040000,
-138672000, -350438400, -349056000, -77760, 12528000,
25790400, 30585600, 120441600, 157852800, 316431360,
345600, 7257600, 15552000, 33868800, 108864000,
1036800, 16588800, 65318400, 5184000, 46656000,
36288000, 87091200], [1, 49, 966, 9394, 45045, 106029,
121968, 74844, 70, 3696, 58212, 297528, 663894, 615384,
94248, 7392, 218064, 776160, 1437744, 1929312, 396704,
-172480, -1515360, 1572032, -2759680, -1685376,
-5972736, -756, -14476, -36036, 24948, 376992, 1064448,
-5544, 1060752, 2533608, 1530144, 3548160, 4967424,
3452064, -15744960, -17519040, 6692224, -36036,
2170476, 5854464, 5155920, 18832968, 28141344,
-9247392, -42223104, 21821184, 29937600, -49762944,
-6160, -166320, -1009008, -1984752, -2195424, -1330560,
-547008, -1862784, 2350656, 9668736, 7865088, 14103936,
-9225216, 17425408, -1397088, -2594592, 9580032,
11975040, 51891840, 39916800, 92606976, 112565376,
27143424, 0, -7717248, 39916800, -1596672, -77704704,
166053888, -12773376, -8624, -576576, -4091472,
-6453216, -1064448, -3311616, -22220352, -21422016,

21022848, -9195648, -14724864, -65443840, -8182944,
-50605632, -29804544, -17297280, 60850944, 75575808,
10200960, -84623616, 88349184, -129153024, 338494464,
56593152, -85155840, -247661568, 142560, 310464,
-4058208, -19160064, -11442816, -8515584, -33884928,
-62802432, -18627840, 18805248, -32066496, -86220288,
-65463552, -208631808, -229920768, 3193344, -19160064,
-76640256, 239500800, 176698368, 167878656, 1009008,
8681904, 26877312, 931392, -11598048, 64665216,
-34860672, 147603456, -103783680, -33530112, 169247232,
-182020608, -185213952, 29804544, 102187008, 3104640,
21909888, 37787904, -4967424, -10999296, 65995776,
78059520, -143700480, -24837120, -210051072, -19869696,
7185024, 44174592, 25546752, 22353408, 14902272,
-102187008, -127733760, 11079936, 64447488, -4064256,
80510976, -16257024, 8515584, 51093504, 68124672, 0, 0,
0, 0], [1, 42, 651, 4410, 13419, 4158, -56511, -17010,
70, 2394, 18648, 71820, 54054, -376110, 67284, 4648,
23184, 118944, 571536, -358344, -33040, -126672,
705264, -224784, -278656, -233856, -418432, -462,
-4620, -21924, -116424, -435078, -229068, 20664,
138600, -908712, -2496312, 465696, 183456, -760032,
-3036096, -678048, -2335200, 24948, 539784, -2125116,
-1755432, 195048, 1202040, 2621808, -417312, -4359096,
244944, 10632384, -4452, -61992, -140616, 266112,
-342468, 503496, -100800, 604800, 2649024, 677376,
1764000, 3689280, 1832544, 2268672, -414288, 2866752,
-7919856, 3792096, 3604608, -7983360, -4415040,
-20439216, -14424480, -870912, 3556224, -1959552,
1088640, -3120768, -13934592, 3919104, -11424, -235872,
-810432, 2122848, 997920, -782208, -3888864, 447552,
-2304288, -1128960, -4040064, -3454080, -1439424,
3640896, -7439040, 12216960, -16051392, -9144576,
-2044224, -9870336, 9471168, 6870528, -35634816,
5685120, -19450368, -11854080, 51840, 139104, -1578528,
3646944, 526176, -72576, -5612544, 7185024, -5298048,
9555840, 1560384, 28413504, 27433728, -11467008,
24167808, 5225472, 7838208, -14805504, 24385536,

62560512, -52752384, 365904, 2594592, 4490640, 7493472,
3223584, 7856352, 2721600, 7814016, 2413152, 38646720,
9289728, -16438464, -2830464, -9289728, -58351104,
512064, -1427328, -4995648, -14079744, -3515904,
1741824, 12789504, 18168192, -32126976, 63479808,
36094464, 435456, -7983360, -6531840, -9580032, 145152,
22643712, 39191040, -1451520, -14370048, -19595520,
-6386688, -6096384, -6531840, -11321856, 3483648,
-9580032, -19160064, 0, 0], [1, 39, 531, 3009, 12555,
46629, 93753, 39339, 70, 1716, -378, 4968, 178794,
568404, 18378, 3832, -65376, -226800, -48096, 1835352,
-179776, -600960, -1938240, 1594752, 735680, -200256,
861824, -306, 414, -12636, -20412, 90342, 320598,
40716, -64368, 2808, -571536, 1562220, -789696,
-1869696, -6566400, 5103360, 3775104, 57564, 126036,
1515564, 53460, -945432, -1051056, -6637032, 1917216,
150984, -333720, 79056, -3960, -29160, -73008, -402192,
-507384, -962280, 58752, 781056, 3148416, 5170176,
-637632, -3798144, -2742336, -2967552, -183168,
-292032, 7532352, 5391360, -6255360, 4008960, -6977664,
-4139424, -2755296, -457920, 542592, 8061120, -8577792,
-3849984, -1026432, 1327104, -13224, -102816, -475632,
-2654496, -847368, 65664, 917568, -4219776, 7910208,
3088512, 2733696, 7161600, -558144, -5501952, -2674944,
7136640, 20265984, -3035232, -302400, -17905536,
23229504, 22173696, -24541056, 2751552, -19224000,
24435072, 15120, 324864, -991008, -9258624, -5250096,
2249856, 5052672, -22972032, 11681280, 3829248,
5085504, -7112448, -15878592, 7402752, 15204672,
15081984, -53374464, 32984064, 21980160, -6054912,
-27869184, 122688, 2070144, 7100352, -3898368, 4266432,
11304576, -34471872, -22823424, 8691840, 8875008,
-18396288, 11549952, -38092032, 7962624, 55738368,
-394560, -3039552, 17578944, 5075136, -12519936,
46434816, -26219520, -3473280, 19025280, 29196288,
-71663616, -1601856, -7164288, 14997312, -23991552,
9683712, -5194368, 13271040, -4696704, 4002048,
6977664, -9621504, 3338496, -10889856, 21596544,

-10706688, -12441600, 12441600, 0, 0], [1, 36, 393,
690, -4473, -17424, -22401, -11934, 88, 2064, -2736,
-33048, -79200, -139176, -1656, 5680, -43056, -47520,
6768, -486000, -84880, -5760, -85488, -262176, 57728,
-175872, 190592, -258, 2820, -3276, 9864, 88758,
-103356, 44424, -139752, 107640, 665352, -326304,
-94176, 923040, 3292128, 1271328, 1567104, 69588,
-197424, 127548, -34776, 884880, 1682640, 3423168,
-3585024, 1616760, 447120, -4007232, -4008, -12672,
100944, 104400, 135000, 244080, 21312, 271584, 478080,
-2051424, -316800, -2889792, 1070784, -1347072,
-116496, -548640, -1465776, -2188512, -1870848,
3381696, 2545920, 4354560, 2592000, -302400, 3576960,
-5728320, -6203520, 4790016, 14484096, -3939840,
-15600, -57024, 429552, 672480, 76032, -234576, 555840,
-225648, -2277792, -1143936, -1805184, 1568640,
-900000, 662976, -1467072, -712224, 5457600, 4164480,
-1298880, 7767360, -4662144, 191232, 12144384, -51840,
366336, 5301504, -2448, 147600, -304560, 2192400,
1454112, 988992, 2444544, 6163776, 6876288, -3648384,
1274400, -1998432, -357696, -15901056, -7651584,
6566400, -5142528, 5626368, 7347456, 3048192,
-25339392, 85968, 641088, -2845584, 1395360, 1667520,
-10086336, 4772736, -3981312, -3843936, -11845440,
1824768, -16464384, 20362752, -23238144, 41554944,
-130752, -4078080, -5832000, -573696, -8616960,
-2785536, -5741568, -15199488, -15158016, 2405376,
-17280000, 342144, 656640, 3255552, 11705472,
-21185280, 9953280, -39398400, 604800, 7972992,
2550528, 24869376, 8709120, 1638144, 12483072, -663552,
8792064, -1492992, 18247680, 0], [1, 31, 183, -2195,
-16053, -13059, 66549, 19791, 118, 2484, -8946, -41688,
64410, 460404, -68286, 9000, -18336, 265680, 405408,
-16920, 88640, 658880, 267072, 158144, -788992, 995328,
-680448, -198, 4730, -42516, -128916, 202578, 140274,
50004, -504432, 311400, 740592, -285324, 896544,
1295040, -5699232, -2339712, -5077376, 100548,
-1333044, 1217988, 270684, 1599480, -5242320, -6581592,

353376, -3310200, -4800600, 9728208, -3928, 17208,
185904, -413040, 698760, -481320, -10368, -775296,
-282240, -1509504, 1355520, 949248, -228096, 1451008,
254304, -3601440, 9401184, 844128, 6020352, -19632384,
6865920, -14994720, 10432800, 138240, -184320, 3732480,
6497280, -866304, -1603584, 967680, -18680, 74976,
1191312, -2331360, -846648, -593856, -824640, -2282688,
4678848, -5723136, 13879296, -4956160, 266400, 6108096,
7059168, 8240256, -15484800, 326880, -729600, 2142720,
-3838464, -13513728, -23210496, -744960, 4571136,
-14424576, -31248, 336960, 1185120, -3205440, -998928,
-603648, -884736, -5635584, -4004352, -1672704,
2422080, 7786368, -7200576, 451584, 8997696, 4239360,
-16478208, -3796992, 4962816, -22952448, -6331392,
-22032, 552528, -4677264, -5278320, -1530720,
-13404096, 7490016, 5286528, -2847456, -16161120,
25478208, -21389184, 6486912, -29729664, 49745664,
-202752, -1105920, 2350080, 8884224, -5345280,
40863744, 20616192, 7990272, 59387904, 50374656,
99302400, 635904, 9584640, 16561152, 29279232,
15851520, 54190080, 4838400, -783360, -12192768,
-18220032, -42706944, -97735680, -930816, -12054528,
-38771712, -3234816, -24855552, -18385920, -48384000],
[1, 39, 576, 4044, 9855, 3969, 74088, 29484, 40, 1356,
20952, 29988, -306936, 18144, -205632, 532, 90144,
132300, -1597176, -247968, 196784, 364560, -2520000,
736512, 321440, 1352064, 756224, -486, -10026, -28026,
98658, 1052352, 557928, -32724, 175392, 24948, 2694384,
-2494800, 1220184, -1372896, -1723680, -453600,
4140864, -75816, 435456, 2013984, 2993760, 2735208,
3646944, -3864672, -1741824, 1197504, 3265920, -653184,
-2700, -59940, -319788, -1177092, -1197504, -408240,
-191808, -834624, -4463424, 1524096, 489888, -16347744,
5552064, 6507648, -467208, -3116232, -2939328,
-8981280, -2358720, -31570560, -290304, -653184,
-21119616, 272160, -762048, 13063680, -25909632,
17853696, -35707392, 1741824, 1356, -90936, 433188,
2346624, 281232, -621936, 1200528, 17889984, -2382912,

1102752, 4366656, 4247040, 367416, -7856352, 7783776,
13608000, 16619904, 13281408, 6531840, 10995264,
-27651456, 435456, -67931136, -7414848, 2540160,
50706432, 77760, -59616, 15552, -5785344, 2985984,
-2519424, 5717952, 12037248, -8709120, -2011392,
-785376, -12970368, 4261248, -22146048, -9082368,
26469504, 73218816, 55240704, -27993600, -28242432,
-16671744, 412128, 1741824, 6314112, -6749568,
-4300128, 34183296, -1959552, 22208256, -14152320,
-7402752, 22643712, 11757312, -5225472, -33094656,
-26376192, 493920, -296352, -12047616, 15797376,
1661184, -29804544, -58383360, 19595520, 63866880,
38320128, 2709504, -163296, -2395008, -21990528,
14370048, -33965568, 35707392, 17418240, -2830464,
-11757312, 10450944, -1741824, 41803776, -4790016,
-28740096, -38320128, 0, 0, 0, 0], [1, 34, 411, 2634,
9435, 18774, 22113, 17934, 30, 146, 3192, 29148, 66654,
-59766, -37212, -2248, -5136, 90720, 530544, -65688,
5264, 151760, 1197840, -538608, -188160, -81536,
-269696, -246, -5436, -43956, -92232, 148722, 231588,
-15624, -153048, -626472, 237384, 567840, -136416,
112224, 4112640, -1367520, -895776, -30876, 26376,
332724, -1069320, -799512, 1996344, 5686128, 788256,
-1758456, -4413360, -1049664, -1380, -10920, -111048,
-635712, -945924, -489720, 34752, -75264, -1170624,
-2319744, -121632, 1262016, -2985696, -2322432, -24528,
-917952, 2377872, -3712800, -1895040, 15079680, 818496,
20496, 6012384, -13440, -2126208, 2338560, -2067072,
3244416, 3510528, -1456896, -384, 9504, 224448, 448224,
1193472, 223104, -40992, -3600576, 1175328, -338688,
-169344, -1599360, 1705536, -904512, -4382784,
-6021120, 2057664, 163968, 2533440, -2263296, -8788416,
-10558464, 11862144, -2139648, 9811200, -16144128,
35520, 59424, -440928, -1968864, 119904, 164736,
-357888, -7281792, 128640, -4582272, 3718464, 6741312,
-2971392, 1650432, 8537472, 7179264, 15461376, 7570944,
-10679040, 5138688, -16656384, 129648, 1415904,
3832752, 2648352, 7392, -5474784, 3396288, 2357376,

-1824480, -20459712, -27675648, 1643712, 1454208,
33460224, 5088768, -544320, 217728, 2904384, 3553536,
6203904, -8569344, 18627840, 7701120, -11397120,
-24794112, 6096384, -2236416, -1010688, 2806272,
10176768, -446208, 5279232, -14568960, -4456704,
-2429952, 4510464, 6429696, -4053504, -4064256,
-4064256, 8128512, 0, 0, 0, 0], [1, 31, 288, 780,
-3873, -21879, -4536, -14964, 48, 524, 3864, -11868,
-158400, 75264, 50784, -940, 15264, 40140, -309432,
365280, 19760, 109520, -223488, 8064, -1632, 59008,
36352, -198, -2970, -7866, 48114, 101568, -242136,
-12996, -2112, -347580, 75312, 67056, -4776, -536160,
-175392, -333792, -129216, -35112, 281856, -381792,
-95136, -404760, -560160, -1710432, 1391616, -959040,
-712320, 594048, -1548, -5892, 25044, 102300, 456000,
250320, -3648, 239424, 194880, 1796736, 391200, 777888,
-369216, 1123968, -173256, 661560, -467136, 2389728,
113472, 164736, -391680, 2279040, 6384000, -261600,
816960, -299520, 919680, -2989824, 9094656, -752640,
-2580, -14904, 427332, 958080, -818928, -27696, 252240,
700992, -1046592, -169056, -333504, 115200, 712440,
150816, 3873888, -153024, -3630720, -5516160, 251520,
-1775040, 2034816, 3178752, 13722624, -1611840,
6573696, 2617344, 27552, -224160, -387360, -174720,
-486528, -402048, 721344, -1482624, -1880832, 1526016,
611040, -62592, -4250496, 6687744, 1598976, -1123200,
-15537408, -5732352, -5520384, -18329088, 14527488,
151008, -33792, 122496, -1637760, -455520, 3967104,
-1686144, 139008, -2595456, 1401600, -1354752,
-8634624, -4144128, -605184, 15366144, -112032,
-2628000, -5525760, -1209216, 1240320, -9240576,
-3253248, 7587072, -3403776, -2955264, -3594240, 47904,
781440, 4505472, -1444608, 16120320, -16504320,
-7526400, 681600, 3962112, 4574208, -7332864,
-15912960, 3504384, 8750592, 3483648, 5474304,
10948608, 0, 0], [1, 28, 201, 402, 1863, 16632, 8415,
10530, 48, -88, -6912, -23544, 11880, -96480, -70920,
-1360, -26832, -95328, -2160, -169200, -18736, -65920,

54960, -60000, 0, -158720, 19840, -42, 612, 1620,
109080, 34110, 191700, 3096, -6552, 197640, -759240,
-792000, -32544, 465120, -246240, 705120, -432000,
-9756, 223056, 143820, 661320, 156240, -2153520,
-1702080, -449280, 260280, 1040400, 619200, -1320,
4896, -47664, -148752, -97128, 26928, 52416, 93600,
842112, 801504, -86400, 1276992, 641088, -44544,
-146736, -466272, 209520, 148320, 1880064, -1522368,
-781056, 628416, -775296, 10944, -1079424, 381888,
4715136, -4407552, -4321152, 1681920, -3984, 33408,
107280, -272160, 339840, 197136, 550080, -974160,
-234720, -535680, -535680, 297600, 230688, -1402560,
803520, -102240, -2727360, 1491840, 1243584, -3693888,
-144000, 7144704, -1997568, -80640, 1336320, -1301760,
8784, -66384, -758160, 56880, 545760, 63936, 1301760,
6091200, 1100160, 1560960, -1164960, -456480, 2318400,
-213120, -3974400, -1949184, 7501824, -11874816,
-5771520, 5679360, 3202560, 48240, 391104, 363600,
-1297440, -1068480, -6949440, 4728960, -4296960,
-1620000, 2710080, 11750400, -6266880, 1875456,
6036480, -6405120, -381888, -967680, 3994560, 1013760,
-2534400, 334080, 1658880, 3939840, 5402880, -6792192,
-5667840, -74880, 1566720, -10644480, -2056320,
-1163520, -4446720, 16819200, 1284480, 6422400,
-6163200, 161280, -1704960, 3594240, -4976640, 1382400,
5806080, -5806080, 0, 0], [1, 24, 57, -1278, -6057,
1116, -17073, -7614, 76, 468, -3528, -10440, 55548,
48132, 63216, 880, 2160, 41904, 185328, 146880, 3968,
67296, 97728, -18144, -61888, 116352, -58624, -30, 852,
-1692, 105696, -210366, -108324, 2880, -24624, 210096,
-27504, 661104, 3456, 98208, 215712, -286080, -182976,
-7812, 231120, -398844, 39096, -57168, 569808, 694656,
125568, 509112, 1152144, -883008, -1464, 9648, -31824,
42912, 112104, -51408, 3744, -237024, -364896, -645984,
55872, -792576, -877248, -604416, -132768, 259200,
-1702944, -746496, -1628352, 1176768, 519552, 427680,
-5116608, 41472, 1154304, 248832, -2405376, 3552768,
-5329152, 0, -5520, 53136, 169200, -447408, -221184,

-27360, -326016, -1292832, 662976, -263808, 1573632,
-331008, 177696, 274464, 670464, 341568, 1777536,
1074816, 861696, -1171584, 895104, -2347776, -6905088,
-122688, -597888, -2640384, 2016, -88416, -379296,
1384992, -411264, -83520, -650880, -3672000, 156672,
-1559808, -1432512, -2918592, 165888, 701568, 82944,
-857088, 4810752, 5750784, -3020544, -1631232, 9828864,
53568, -43200, -392256, 613440, 1116288, 1582848,
-3003264, 1157760, 1081728, 4178304, -3725568, 5971968,
-1327104, 8743680, -16008192, -170496, -1299456,
2882304, -1195776, 444672, 3849984, 3230208, 3151872,
746496, 10119168, 7437312, 611712, 4568832, 1005696,
5184000, 1175040, -7983360, 0, -428544, -2903040,
4810752, -5128704, 19160064, -1938816, -12006144,
-4644864, -5847552, -82944, -12773376, 0], [1, 18,
-129, -2598, -2637, 44622, 405, 22950, 118, 1002,
-4032, 6516, 204030, -129510, -130140, 4840, 29088,
52272, -300960, -821880, 83024, 90000, -1762800,
577680, 152000, 251520, 179840, -42, -1068, -46260,
38160, -329850, 320220, 2736, -214272, -77040, 748080,
-833040, 215136, -2511360, 283680, -406560, 1911840,
-1476, -174744, -226260, -886680, -712440, 1595160,
1540080, 2360160, -895320, -2455920, -60480, -1380,
24696, -50904, 302688, -167508, 22248, -25344, -161280,
1919232, -1190016, 1536480, -4794048, 3819168, 4083456,
67104, 355968, 3706560, 1866240, -2036736, 6590592,
-4792896, 623376, 8208864, -63936, 953856, -3074112,
2318976, -5329152, 11829888, -829440, -7344, 120528,
-130320, -1741680, 1308960, -339264, 67680, 5437440,
-925920, 282240, -737280, -155520, 985248, 1406880,
-7119360, 1336320, -1644480, -3697920, -956736,
-8460288, 1650240, 94464, 16371072, 590400, -535680,
10425600, -10656, 127296, -518400, -60480, 496800,
-768384, 702720, 5132160, -1877760, 1756800, 587520,
3473280, 1762560, 1589760, 1607040, -4506624, 1223424,
-2958336, -2090880, 13409280, 3732480, 17280, 221184,
-864000, 1900800, 1071360, 8363520, 604800, 6065280,
4561920, -2177280, -10471680, 7724160, -6407424,

15932160, -26542080, -142848, -656640, 2799360,
-535680, -3847680, -8467200, -18051840, -9486720,
-20943360, -30316032, -51356160, 725760, 4492800,
-7205760, 7309440, -19941120, -1969920, -4147200,
-2505600, -20684160, -7257600, -34560000, -5184000,
3127680, 26853120, 56954880, 4043520, 23846400,
15759360, 41472000], [1, 30, 315, 2370, 8235, -13230,
-140175, -47250, 10, -930, 3240, 94500, 311850,
-689850, 182700, -5720, -12240, 332640, 2242800,
-1398600, 27440, 193200, 3956400, -109200, 828800,
7795200, 4726400, -90, -6660, -86940, -385560, -349650,
-396900, -22680, -400680, -1625400, -1701000, -756000,
0, -2872800, -14061600, 2066400, -5090400, 1620,
-340200, 1455300, -340200, 1323000, 5329800, -12625200,
9223200, 4498200, 5670000, -5745600, 252, 18360, 52920,
60480, 691740, 1610280, 112320, -241920, -181440,
3024000, -2328480, -7076160, 4505760, 2741760, 408240,
-1391040, 8119440, 10251360, -8104320, -25643520,
14817600, 14651280, -4989600, 459648, -2298240,
10160640, -10039680, 3024000, 7257600, -1886976, 960,
17280, 90720, 1310400, 1058400, 241920, -1663200,
-4536000, 50400, -1411200, 0, 13238400, 1753920,
2419200, -7257600, -4838400, -35985600, 12700800,
786240, -2177280, 8527680, -25643520, 18506880,
-806400, 9676800, -24595200, 25920, 82080, -1058400,
2916000, -1101600, 380160, -2937600, -691200,
-13392000, -27561600, 2203200, 22420800, 25401600,
36288000, -39657600, 3386880, -23431680, 42647040,
-7776000, 16070400, -14515200, 28080, 1844640,
-2797200, 8618400, 1360800, -756000, 32961600,
-47779200, -17085600, -13608000, 48384000, 35017920,
-70035840, 29030400, -5184000, -947520, 4233600,
-15422400, -24192000, 20160000, 55641600, -63302400,
-52617600, 50803200, 8709120, 16934400, -2903040,
3628800, -10886400, 32659200, 47174400, -50803200,
-18869760, -3628800, -7257600, -25401600, 29030400,
7257600, 0, 0, 0, 0, 0, 0, 0], [1, 25, 150, 690, 885,
-6795, -10800, -5700, 30, -880, -300, 13560, 24750,

-11400, 35400, -4480, -3120, 34560, 159600, -74400,
18080, -232000, -693600, 196800, -9600, -838400,
-588800, 60, -1980, -18900, -91260, 2400, -72000,
-10440, -58800, -185400, 496800, 249600, 159360, 26400,
-734400, -254400, 163200, -1140, -136740, 163200,
-274800, 409800, 2080800, 424800, 115200, 345600,
196800, -912000, -48, 14640, 70320, 35760, -36960,
49920, 68160, 324480, 859200, -600960, -424320, 40320,
944640, -737280, 120480, -373920, 921600, -128640,
-1100160, -3859200, -437760, 474240, -2876160, 163968,
-13440, -1739520, 2300160, 38400, -3901440, 559104,
-1680, -17280, 50640, 160800, 28800, -9600, -628800,
14400, 28800, 1814400, 4320000, -844800, 211680,
-264000, -1958400, -739200, 4166400, 3033600, -1374720,
3022080, 1320960, 3993600, -7418880, 364800, -2572800,
9216000, 16800, -137280, -266400, -96000, -163200,
-80640, -249600, -345600, 1171200, 2572800, 484800,
2918400, 825600, -1996800, -2304000, -4723200,
-3486720, -2396160, 345600, -4992000, 6144000, 42960,
439440, -412800, 1502400, -1341600, -1488000, -2889600,
4300800, -2822400, -5088000, 1728000, 7549440, 7848960,
-9984000, 614400, -449280, 691200, -3091200, -1420800,
2572800, 5452800, 4147200, -4723200, 3763200, 1351680,
-8294400, -119040, -96000, 5184000, -7718400,
-11904000, 9062400, 5591040, 1996800, -2918400,
1536000, -10444800, 9830400, 4147200, 4147200,
-8294400, 0, 0, 0, 0], [1, 21, 18, -690, -6183, -14499,
44064, 12636, 58, -336, 4644, 6552, -78030, 202824,
-88776, -2600, 22104, 89640, -211752, -282960, -24400,
-105600, 554832, -24096, 134528, 427008, 438272, 72,
-1800, -1296, -1296, 127008, 89424, -9936, 44928,
51840, 261792, -329184, -96336, -520560, 878688,
210528, 431424, -10692, 51516, 165888, 167184, -93960,
-38880, -80352, 383616, 51840, -77760, -300672, -288,
10368, 44064, -38880, 349920, -233280, 24192, 238464,
-77760, -1741824, -164160, 1695168, -331776, 764928,
18144, 142560, -124416, -715392, -865728, -445824,
-2177280, 622080, 0, 103680, 648000, -1710720, 1140480,

1575936, -2363904, 0, -2640, -20304, 47952, -939600,
-489888, -140256, -1278720, -1008288, 1332288, 543744,
-6130944, 307200, -12960, -1573344, 139968, 409536,
881280, 311040, -1192320, -155520, 1368576, -1824768,
-2612736, 2488320, -5474304, -9455616, 15552, -181440,
907200, -388800, 715392, 300672, 393984, 4582656,
-2166912, -1223424, 777600, -715392, -435456, 1741824,
-497664, -2436480, 1804032, -1078272, 8833536,
18911232, -10202112, 62208, -352512, 539136, -1710720,
518400, 2467584, 642816, -2944512, -487296, -1244160,
-41472, 2923776, 4603392, 4478976, -9455616, -191232,
-449280, -1296000, 3988224, 2839680, -2370816,
-1456128, 2529792, 2571264, 2820096, 4700160, 575424,
2643840, 8335872, -6905088, -622080, -2488320, 0,
-155520, -1617408, -13312512, 13188096, 4976640,
-2612736, 1492992, 13436928, -8211456, -16422912, 0,
0], [1, 21, 54, 570, 6021, 25137, 44640, 19980, 34,
-1488, -7668, -29592, -8910, 193320, -30600, -4160,
-11376, -105408, -254160, 954720, 71648, 214080,
-410400, 64320, 76160, 1032960, 588800, 252, 1620,
12204, -45900, -276480, 51840, 4104, 9072, -361800,
-2052000, 1002240, 279936, 1896480, -699840, -118080,
1019520, 32076, -32724, -613440, -1548720, 52920,
1127520, 807840, -2142720, -155520, 803520, 881280,
-144, 9936, 28944, 127440, -448416, -663552, 36288,
224640, 451008, -79488, -812160, -2726784, -2806272,
2138112, -2592, 565920, -912384, 1710720, 936576,
546048, 1396224, -383616, 393984, 127872, 355968,
-4831488, -905472, 7285248, 4976640, -2156544, -2640,
-6912, -54000, 554400, 501120, -51840, 267840, 2185920,
-627840, -1100160, -3075840, -199680, -676512, 3153600,
622080, -1503360, -7223040, -1451520, -1244160,
9268992, -6635520, -11612160, 9372672, -564480,
4078080, -5898240, 7776, -91584, -228960, -1036800,
-673920, -117504, 1624320, 3248640, -2246400, 69120,
-1114560, 3525120, 6531840, -3317760, -829440,
-3787776, 2985984, 221184, -207360, -4561920, 4976640,
9936, 365904, 1537920, -1166400, -2268000, -3542400,

-7447680, 1105920, 1071360, 7568640, 5460480, 4022784,
12358656, -9123840, -9953280, -361728, -483840,
7361280, 3110400, 1981440, -552960, -10598400,
-7672320, -20321280, -663552, 28200960, 933120,
-9642240, 1451520, 10160640, 16174080, 2488320,
-21565440, 4147200, -14100480, 1658880, 11612160,
-3317760, 3594240, -10782720, 7188480, 0, 0, 0, 0], [1,
18, -39, -318, 423, -558, -19305, -6750, 58, -978,
-972, 1296, 7110, -93510, 23220, -2660, 3348, -2988,
26460, -108000, 8504, -56160, -51000, -8160, 41360,
104640, 80960, 228, 372, 13860, 34740, 53640, -14040,
2916, 35028, 143460, 472860, -189720, 53856, 360720,
318960, 101760, 378240, 19944, -49464, -21600, 403920,
-188280, -1439640, 520560, -1154880, -561600, -868320,
1157760, -300, 4896, -39384, -19512, -2268, 192888,
11376, -41760, -438768, 599904, -271440, -736848,
456768, 134976, -31896, -225072, 268920, -563760,
1407744, 1346112, 457344, -1210464, 2104704, 184464,
-879984, 1643328, -916704, -1181952, 1772928, 0, -2604,
7668, -103500, 104940, -29160, -58824, -354960, 112680,
-419760, 211680, -770400, -58560, -346752, 273600,
289440, 957600, 866880, -1952640, -175536, 1330992,
1136160, -3531456, 1959552, 124560, -1084320, -904320,
8064, -66384, 71280, 203040, 21600, 304416, 580320,
-1918080, -182880, -1264320, -10800, -2909520,
-3330720, -1304640, 3784320, 1074816, -2275776,
4627584, 3581280, -993600, -1140480, 19440, 158544,
-406080, 380160, -684720, 1453680, 1118880, 1028160,
2903040, 2384640, -4199040, 2916000, -7729344,
-1624320, 2280960, -268848, 721440, -952560, -920160,
348480, 1676160, -1457280, 1697760, -181440, -3981312,
3317760, 719280, 127440, -3615840, -1801440, -1494720,
6065280, 0, -86400, 2592000, 4613760, 5011200,
-12130560, -4440960, 2332800, 2108160, -5806080,
5806080, 0, 0], [1, 13, -174, -1058, -7, 8277, 6720,
4860, 98, -368, 4788, 11736, 18170, 28200, -15720, 440,
20728, 6792, -112200, 87920, -48656, -49920, 514320,
-80800, -49920, -403200, -230400, 168, -2888, -240,

-14160, -118560, 18000, 1296, 31168, -115680, -474720,
84000, -83664, -120560, -969120, 46560, -968640, -1476,
-804, -107520, -359280, 163800, 458400, -732000,
581760, 186240, 659520, -336000, -320, 4896, -60864,
33408, -23328, -84672, -6464, -5760, -974208, 307584,
36160, 1444032, -110592, -1373184, -28576, -54432,
-109440, 1065600, 106304, -413568, 2165504, 1115136,
-193536, 138624, -681024, 1300608, -639744, -586752,
880128, 0, -2704, 39408, -78960, 94320, 200160,
-130144, 303360, 2436960, -8640, 321920, 2088960,
691200, 95328, 1347360, 43200, -279360, -1829760,
-610560, -439296, 577152, -3502080, 2678784, 3359232,
-864000, 1036800, 6635520, 5184, -42304, 582720,
-100800, -132480, 387456, -601600, -1063680, 693120,
1813760, 153600, 1560960, 3283200, -384000, -1843200,
2990976, 1338624, -2190336, -967680, -3456000,
-7050240, 20480, -324096, -90240, -432000, 333440,
-1931520, 1224960, -693760, -2559360, 921600, 2956800,
-2822400, 446976, -9123840, 12072960, -140928, 385920,
892800, -80640, -243840, -4412160, 1658880, -2626560,
-3409920, -6100992, -7464960, 757440, 543360, -1059840,
-3813120, 3540480, -2027520, 0, -2451840, -6197760,
-1221120, 6005760, 0, 1774080, 2211840, -17418240,
9815040, 4884480, 16220160, 0], [1, 6, -321, -750,
9891, 34002, -60795, -15930, 154, -18, 4032, -20772,
-52110, -327330, 115740, 6040, 22464, -193968, -662400,
1040760, -22672, 479280, 20400, -309840, -61120,
403200, 356480, 42, -9300, -16956, 69840, 206730,
16740, -2736, -119808, -550800, 1714320, -186480,
12096, -146880, 1883520, -336480, 1521120, -47844,
-51624, 706860, 893160, 355320, 1329480, 153360,
1075680, 437400, -343440, -1632960, 156, 17496, -216,
632160, -955476, 225288, 33408, 518400, -646272,
2420352, 505440, 2742336, -2499552, 2234112, 118368,
-120960, 3027456, -3369600, -3366144, -5622912,
-7096896, 219024, -3973536, 67392, 546048, -4961088,
6749568, 1859328, -9901440, 1161216, -3600, 62928,
-599760, 507600, 190080, -362880, 1758240, -2162880,

-1792800, -2119680, -8461440, -1607040, 720288,
-3739680, -3222720, -783360, 5515200, 4631040,
-2779200, 2633472, 8251200, -3121920, -12244608,
2905920, 3576960, -17637120, -864, 89856, -250560,
-120960, -263520, -82944, 2211840, -3456000, -1416960,
-466560, 1779840, -4043520, -3732480, 3352320, -673920,
-1092096, -6241536, -1437696, 8104320, -6359040,
-4147200, 3456, -297216, -829440, 898560, -172800,
-3248640, -1503360, -2194560, -5045760, -9642240,
4112640, -8055936, 12462336, -8881920, 22394880,
-73728, 1071360, 3836160, -846720, -391680, 3490560,
6416640, 10316160, 23846400, 28574208, 48176640,
656640, -1728000, -10212480, 2920320, 10126080,
3214080, 5806080, -3715200, -5028480, 17003520,
4285440, 7257600, 13184640, 44064000, 9676800,
-17521920, -60756480, -25712640, -58060800], [1, 13,
-114, 562, 5613, -63, 26880, 11340, 58, -1968, -2772,
-27384, -93030, -52920, -105000, -2640, 4608, 19152,
-16800, -100800, 117824, 580160, 631680, -743680,
-353920, -80640, -537600, 468, 2012, 46260, -59220,
134400, 110880, 14616, -103152, -617400, -1038240,
-759360, -78624, 40320, 4152960, -2741760, -2938880,
84204, -67284, 826560, -85680, -1590120, 90720,
-372960, 5886720, 2298240, 1391040, -3265920, -400,
-13104, 7056, 266448, 356832, 177408, -64704, -40320,
1052352, 680064, 120960, -1225728, 903168, -487424,
-183456, 933408, 0, 2540160, -1645056, -4773888,
129024, -653184, -4790016, -314496, 1846656, -145152,
-2225664, 258048, -387072, 0, -944, 10848, -156240,
-322560, -20160, 25536, -114240, -2298240, 322560,
470400, 4757760, 465920, -135072, -900480, -2862720,
2580480, 5698560, 1612800, 599424, -5419008, 5967360,
6150144, -7354368, 456960, -4032000, 6236160, 6624,
-33984, 300960, -915840, 74880, 285696, 1405440,
1128960, -3432960, -2810880, 256320, -1555200,
-2799360, 7096320, -2211840, 2486016, -10354176,
4184064, 4078080, 2810880, -4700160, -720, 214704,
120960, -987840, -1764000, -1572480, 4475520, 4838400,

5483520, 725760, -7902720, -5806080, -6580224, -645120,
9400320, -217728, 362880, 2419200, 806400, 4112640,
-17902080, 9676800, -12096000, 8709120, 24772608,
-20643840, 1209600, -8305920, 483840, 15966720,
4193280, -13547520, 0, -322560, 14515200, -13547520,
-27740160, 27095040, -8386560, 25159680, -16773120, 0,
0, 0, 0], [1, 9, -210, 186, 3069, -19971, -9072, -9828,
94, -1392, 5508, 10584, 26334, 73080, 80136, -176, 864,
1008, 193536, 96768, 2240, -141120, -752640, 489216,
137984, 139776, 186368, 372, -2292, 35028, -116676,
110880, -102816, 13608, -59472, 105336, 651168, 487872,
-46368, -1040256, -1943424, 462336, 946176, 44460,
-185220, 411264, 305424, -371448, 151200, -1409184,
1145088, 677376, -254016, -314496, -336, -15408,
-29232, -89712, -308448, -169344, -52992, -104832,
717696, -1177344, 516096, 645120, -1096704, 1376256,
-179424, 211680, -1233792, -2395008, 2064384, 4451328,
-3354624, -1669248, 1886976, -241920, 725760, -1451520,
967680, 0, 0, 0, -48, 47520, 29232, 189504, -254016,
100800, 487872, -1096704, 693504, -48384, -935424,
-559104, 518112, -201600, 1717632, -4225536, -3354624,
2515968, 1241856, -2903040, -2515968, 3354624, 0,
-806400, 2515968, -3354624, 3744, -89280, 308448,
563328, 210816, 170496, -986112, 663552, 211968,
3299328, -1038528, 1845504, 4499712, 1935360, -3151872,
1064448, 9372672, -8736768, -5114880, 3926016,
-2322432, 3888, -15120, -1064448, 883008, -864864,
3217536, -2927232, -3290112, 2032128, -8563968,
6096384, -13063680, 12192768, 9676800, -4313088,
-161280, 1257984, -2612736, -580608, -548352, 5999616,
-3354624, -2322432, 2322432, 0, 0, 870912, -3580416,
5225472, -580608, -1935360, 0, 0, -2709504, 8128512,
4644864, -10063872, 0, 774144, -20901888, 20127744,
18579456, -18579456, 0, 0], [1, 3, -324, 552, 6723,
-16983, 35640, 11340, 148, -948, 9288, -9324, -31860,
28080, -110160, 4780, -13752, -90828, 74880, -546480,
-62416, -40080, 190080, -171840, 14720, -72960, 97280,
198, -9558, 33210, -183330, 34560, 35640, 9396, -88992,

542700, -663120, -287280, 175176, 872640, 1594080,
875520, 1105920, -30456, -82944, -583200, -946080,
1046520, 2034720, 3771360, -4717440, -1010880, -466560,
1088640, 180, -6804, 67716, 58428, 559872, 172368,
7776, -103680, 832032, 247104, -397440, -1513728,
2135808, -681984, -82296, 557928, 155520, 3227040,
-357696, -5194368, 1534464, -1586304, -3701376, -33696,
694656, 1150848, -2571264, -663552, 995328, 0, -84,
58968, -54540, 209520, 174960, 32976, 1242000, -967680,
-993600, -973440, -1624320, -291840, 873288, -1576800,
-609120, -2246400, 2937600, 2229120, 273024, -1928448,
3525120, 1603584, -4727808, 172800, 3939840, -5253120,
-1296, -160704, -123120, -1762560, -285120, -264384,
-5132160, 2592000, 3317760, -5391360, -2669760,
3888000, -8398080, -2695680, 3732480, -1741824,
-10699776, 7962624, -7879680, -9123840, 24883200,
12960, -72576, 1218240, -259200, 1205280, 1503360,
570240, 414720, 777600, 3421440, -4354560, 8087040,
-9206784, 11612160, -14929920, -86688, 1144800,
-1140480, 1572480, -1739520, 3663360, 1751040, 3525120,
-1036800, 11778048, 10506240, 686880, -4095360,
3265920, 2073600, -6635520, 6842880, 0, -3836160,
8087040, -9953280, 9123840, 0, 13063680, -6220800, 0,
-12441600, 39813120, -54743040, 0], [1, -5, -420, 2440,
14115, -49455, -4200, -18900, 220, -1140, 3240, -88620,
-39900, 75600, 142800, 13740, -70200, -192780, 974400,
680400, 74480, 887600, -336000, -78400, -515200,
403200, -537600, -90, -19750, 105210, 23310, 470400,
-88200, -6300, -396480, 1518300, -1184400, 109200,
350280, -907200, -1965600, -806400, -5196800, -171000,
967680, -554400, 2671200, -88200, -7711200, -8820000,
3024000, -2116800, -604800, 3024000, 1652, 17100,
245700, -611940, -483840, -367920, 209760, -685440,
-332640, -2143680, -80640, -2016000, -2661120,
-2938880, 269640, 1348200, 1088640, -5412960, -6350400,
1169280, 12741120, 9072000, 17781120, 913248, -2862720,
-3991680, -967680, 9031680, 9676800, -3096576, -3380,
-33960, -807660, 428400, -1386000, -455280, 1016400,

-8467200, 4939200, -873600, 14918400, 3046400, -395640,
-8988000, 4586400, 26208000, -134400, -14313600,
-4542720, 12821760, -4515840, -9246720, 12579840,
6316800, -24998400, 24729600, 720, 51840, 327600,
2160000, 1368000, 37440, 2908800, 8582400, -2304000,
5299200, 892800, 3369600, 14515200, -5644800, -2764800,
-2257920, 20597760, -5898240, 691200, 38246400,
-19353600, 12960, 120960, 2116800, 201600, 1965600,
3024000, -3024000, 4838400, 2620800, 10886400,
-5644800, 24675840, -6773760, 6451200, -41472000,
-70560, 453600, -6048000, -2620800, -6854400,
-12096000, -9676800, -2419200, -21772800, -56125440,
-83865600, 514080, -5846400, 4233600, 14515200,
6451200, -16934400, -15482880, -4032000, 21772800,
4838400, -22579200, -19353600, 23385600, -33868800,
-25804800, -87091200, -38707200, 135475200, 154828800],
[1, -15, -450, 6330, 7965, -191835, 226800, 56700, 310,
-2640, -11340, -138600, 746550, 869400, -567000, 28720,
-243360, 196560, 4334400, -7257600, 647360, 168000,
-12499200, 3897600, 896000, 2150400, 1433600, -540,
-31140, 383940, -49140, -1965600, -453600, -52920,
-1224720, 6917400, -12549600, 3326400, -756000,
-18748800, 19958400, -2419200, 16128000, -422820,
6180300, -7257600, -6577200, -10092600, 19504800,
27669600, 25401600, 10886400, 19051200, -27216000,
4752, 45360, 226800, -5881680, 5715360, 725760, 743040,
-4717440, 10160640, 4838400, 12458880, -10160640,
10160640, 27095040, 997920, -2086560, -44634240,
22861440, -20321280, 124830720, -87091200, 25038720,
-97977600, 4572288, -44997120, 65318400, 87091200,
-81285120, -121927680, 27869184, -14160, -341280,
-468720, 7560000, 2721600, -1955520, -1512000,
35078400, -15724800, -6451200, -29030400, -17203200,
-7650720, 29635200, 23587200, -16934400, -67737600,
-14515200, -18023040, 100154880, -42094080, -112250880,
52254720, -4838400, 29030400, -38707200, 38880,
1062720, 4212000, -6480000, -4924800, 5495040,
18662400, -58060800, 4147200, -8294400, 23198400,

-23328000, -41990400, -29030400, 24883200, 56401920,
-139345920, 53084160, 53913600, -107827200, -99532800,
-71280, -2222640, -10886400, -6350400, -10432800,
-63504000, 27216000, -14515200, -50803200, -32659200,
50803200, -117573120, 60963840, -203212800, 373248000,
40320, 3024000, 7257600, 12096000, 6451200, 96768000,
25804800, 72576000, 58060800, 92897280, 387072000,
362880, -7257600, 21772800, 29030400, -58060800,
-87091200, 139345920, -3628800, 43545600, -43545600,
-116121600, 174182400, 29030400, -174182400, 232243200,
-174182400, 348364800, 696729600, -1393459200], [1, 45,
870, 8250, 37125, 114345, 0, -623700, 10, 2640, 49500,
138600, 1143450, 2910600, -1247400, 8800, 277200,
-554400, 1940400, 14968800, 677600, -5544000, -4250400,
21806400, -9856000, -27350400, 15276800, -1140, -23100,
-29700, -207900, -3326400, -9979200, -19800, 1940400,
5405400, -11642400, -26611200, 8870400, 554400,
36590400, -30676800, -98313600, -29700, 1871100,
9979200, -47401200, 30353400, -44906400, 4989600,
26611200, 59875200, -209563200, 179625600, -5808,
-213840, -1164240, 831600, 14968800, 3991680, -918720,
-3991680, 23284800, 46569600, 4435200, 99792000,
212889600, -76876800, -997920, -14968800, 119750400,
-59875200, 19958400, 359251200, -399168000, 299376000,
-359251200, 6386688, -43908480, -23950080, 7983360,
750435840, 766402560, 881362944, 13200, -475200,
-5821200, -28274400, 0, -4435200, -29937600,
-156340800, -126403200, -28828800, -66528000,
189235200, -11642400, -76507200, 159667200, -472348800,
-13305600, -558835200, 46569600, -119750400,
-399168000, -745113600, -1437004800, 172972800,
638668800, 585446400, 237600, 2376000, 12117600,
-5702400, 54172800, -7603200, 55123200, -193881600,
214790400, -292723200, -61300800, 0, 427680000,
364953600, 547430400, -102643200, -752716800,
-821145600, 262310400, 296524800, 0, 831600, 7484400,
19958400, 9979200, -11642400, 59875200, -139708800,
212889600, -119750400, 119750400, 239500800,

-239500800, -479001600, 319334400, 0, 2217600,
19958400, 13305600, 53222400, 8870400, -53222400,
35481600, -133056000, 266112000, -425779200, 212889600,
3991680, 39916800, 0, 79833600, -159667200, 0,
-383201280, 3628800, 43545600, 43545600, 116121600,
174182400, 0, 0, 0, 0, 0, 0, 0], [1, 36, 537, 3570,
8775, 15120, -31185, -28350, -8, 1200, 16560, -12600,
151200, 143640, 68040, 4480, 95760, -403200, 5040,
-272160, 208880, -1512000, -52080, -2012640, -1187200,
26880, 398720, -834, -13020, -7020, -83160, -735210,
-419580, -11160, 617400, 869400, -1595160, 1058400,
2005920, -776160, 4566240, 1307040, 5550720, -7020,
136080, 419580, -2018520, 3704400, -11838960, 1995840,
11188800, 5919480, -10750320, -544320, -3144, -93312,
-275184, 740880, 2109240, 45360, -362304, -997920,
3870720, -1784160, -766080, 6713280, -13366080,
-5591040, -99792, -3538080, 9933840, 1360800, -9434880,
-4898880, 5806080, 2177280, 19595520, 2358720,
-6459264, -10559808, 1233792, -35562240, -31135104,
-61834752, 11760, -112320, -1103760, -3780000, 272160,
-1184400, -2721600, -10689840, 3961440, -3185280,
2782080, 2755200, -2207520, -1753920, 9979200,
-44422560, -14575680, -27578880, 10463040, 9253440,
6894720, 22014720, 19595520, 18748800, 31207680,
20079360, 114480, 1008720, 4438800, 4309200, -1075680,
-630720, 19249920, 13193280, 26974080, 16813440,
-9007200, 22044960, -14852160, 58734720, 18351360,
-20528640, -6220800, 80248320, -34110720, -67080960,
-42923520, 196560, 544320, -3039120, -90720, -302400,
-10342080, 19232640, -34594560, 3538080, 10342080,
-60963840, 21772800, 82736640, -2903040, -26127360,
221760, 0, -8285760, -2661120, 4515840, -17660160,
-22579200, 22982400, -13305600, 47416320, -10644480,
-362880, -3628800, -6531840, 2540160, 7983360,
26127360, 60963840, -1814400, -11975040, -2177280,
-18869760, -8709120, -2177280, -13063680, -17418240, 0,
0, 0, 0], [1, 31, 387, 2265, 9195, 17325, -6615,
-64365, -18, 260, -690, 21000, 173250, 443940, -102270,

2360, -10080, -25200, -23520, 1097880, -51520, 22400,
-1028160, 1249920, 100800, -741440, 192640, -594,
-6930, -32220, -207900, -696570, -599130, 9180, 129360,
466200, -317520, -2194500, -208320, 2647680, -241920,
-241920, -3480960, 7260, -98700, 68460, 2340660,
-2163000, 4168080, 1585080, -1260000, -3117240,
6744360, -4406640, -1944, -35592, -87024, 314160,
1133160, 610680, -73344, -134400, -470400, 1505280,
248640, 2136960, 7842240, 2150400, 69888, 530880,
-1189440, -1921920, -2338560, -7096320, 2459520,
-7019040, 4720800, 356160, -1647744, -2979648, 1059072,
4005120, -11243904, -8558592, 7320, -1440, -858480,
-2637600, -1358280, -13440, -2654400, -8023680,
-8003520, 1088640, 927360, 2016000, 423360, 2472960,
10080000, 8964480, 7203840, 21332640, 1740480, 4529280,
-12734400, -6021120, 36570240, 3393600, 21456960,
-766080, 54480, 837120, 2844000, 1219200, 3357840,
1549440, -1109760, -6272640, -8394240, -15429120,
2337600, -13735680, 4246080, -12092160, -21343680,
-5875200, 5675520, -27325440, -18800640, 5038080,
39567360, -73920, -147840, 3917760, -1827840, 1176000,
8883840, 5974080, 5537280, 9797760, -36234240,
20200320, 14327040, 2876160, -58490880, 24084480,
-463680, -1915200, 3756480, 1901760, -913920, 10375680,
1612800, 9475200, -15657600, 22794240, -30965760,
-1323840, -2513280, -987840, -887040, 5349120,
-6303360, 6666240, -2486400, -295680, 2432640, 4730880,
-4381440, -2540160, -2540160, 5080320, 0, 0, 0, 0], [1,
28, 273, 546, -2457, -19656, -41769, 57330, 0, 728, 0,
-6552, 32760, -170352, 6552, 2912, -4368, -104832,
196560, -471744, -1456, -128128, 257712, -61152,
-34944, 93184, -11648, -546, -3276, 9828, -98280,
-208026, 717444, 6552, 150696, -452088, 137592, 576576,
183456, 655200, 235872, 270816, 1257984, -3276, -65520,
-1477476, 1723176, -642096, -432432, -2044224, 1729728,
-1277640, 1192464, -1834560, -2184, -26208, 144144,
851760, -229320, -458640, -104832, 340704, -262080,
-969696, 0, -1729728, -1415232, -1537536, -65520,

1441440, -1454544, -812448, 943488, -4560192, -628992,
1834560, -733824, 52416, -2620800, 5503680, 5765760,
6499584, 4927104, 14676480, 4368, -52416, -380016,
917280, -78624, -170352, -262080, 1690416, 3538080,
104832, 104832, -174720, -235872, 4769856, 157248,
-2542176, 5608512, 9015552, 262080, -8124480, 733824,
-9015552, -6918912, 2620800, -3983616, 628992, 46800,
327600, 589680, 1480752, -1441440, 786240, 2096640,
5189184, -524160, -104832, 445536, 5791968, -8858304,
-524160, -3144960, -6289920, 10902528, 1257984,
-14466816, -11531520, 1018368, -13104, -1205568,
-4022928, -6420960, -1624896, -5294016, -7443072,
2725632, 1022112, -15672384, 0, 12789504, -16773120,
25998336, 15934464, 52416, -419328, 1205568, 4822272,
-419328, 1886976, -838656, -5660928, 21176064,
-24321024, 2515968, 104832, 1048320, -628992, 943488,
-3983616, -13418496, -29352960, 524160, 5136768,
6499584, 4612608, 5870592, 1886976, 3773952, 0,
3483648, 6967296, 0, 0], [1, 25, 195, 195, 3315, 6435,
14625, -24375, 0, 260, -10920, 3120, 0, 97500, 39000,
2600, -49920, 0, -405600, -241800, -76960, 88400,
-312000, -1045200, 686400, 1456000, -353600, -390,
1170, 7020, -49140, 13650, -321750, 21060, 92040,
468000, 819000, 471900, -90480, -967200, -140400,
-1435200, 343200, -10140, -148980, 495300, -1197300,
226200, 795600, 1380600, -1310400, 959400, -1864200,
1903200, -2028, -8580, 62400, 43680, 294060, 33540,
-12480, 399360, -324480, 386880, -171600, -2227680,
-2574000, 524160, -132600, 20280, 706680, -843960,
-711360, -1535040, 1104480, 2907840, -1204320, 38688,
-361920, 1478880, 1822080, -549120, 3157440, 3329664,
1560, 0, -464880, -811200, 257400, 146640, 249600,
3135600, 1029600, 3931200, 6552000, -3120000, -187200,
-2870400, -187200, 4149600, -9484800, -9516000, 240240,
-2776800, -1687920, 3768960, -8330400, 624000, 2683200,
-7300800, 21840, 358800, 748800, -1107600, 171600,
786240, -2121600, -2808000, -7800000, 5553600, 1762800,
-3057600, 3104400, 6988800, 4586400, -973440, 124800,

1647360, -7675200, -312000, 13977600, -96720, -1035840,
1419600, 3338400, -3541200, 6208800, 8158800, -2870400,
-3837600, 14913600, -3088800, 1734720, 10645440,
-3993600, -27955200, -46800, -46800, -4102800,
-2418000, -1372800, -16348800, 7488000, -4773600,
904800, -15225600, 35942400, 137280, 3993600, -2808000,
5990400, -5366400, 5116800, -7063680, 499200, 2870400,
-3244800, -998400, 873600, 2246400, -3369600, 1123200,
3888000, -3888000, 0, 0], [1, 21, 63, -1365, -3213,
-11529, 7749, 13041, 28, 924, -8316, 29232, 3780,
-99036, -30996, 3640, -37296, 136080, 61488, 294840,
7280, 36960, 301392, 921984, -82432, -958272, 174272,
-378, 3150, 6804, -53676, 276318, 114534, 14364,
-61992, 90720, -179928, -467964, 275184, 181440,
535248, -780192, -1604736, 2268, -256284, 229068,
-446796, 476280, 45360, -1664712, 72576, 249480,
-1428840, 1397088, -2268, 2268, 154224, -166320,
-714420, 79380, -66528, 18144, -1723680, -260064,
-1164240, 1578528, 2059344, 1911168, -49896, 1065960,
-1183896, 2054808, -1669248, 9507456, -1723680,
1905120, 0, 90720, 544320, -1905120, -1451520,
-5007744, -7729344, -7620480, -840, -3024, -96768,
952560, 213192, -2016, 75600, 205632, -1369872, 915264,
-5914944, 1626240, -302400, 42336, -1505952, -4886784,
1663200, -2812320, 347760, 2449440, 3111696, 4378752,
3646944, 302400, -2830464, 2528064, 15552, 136080,
-544320, -317520, -127008, 689472, -1524096, -1197504,
399168, -2286144, 861840, -4136832, 2150064, 1016064,
1796256, 362880, 4136832, -4499712, -3737664, 4318272,
4727808, -54432, -1006992, -834624, 317520, -2494800,
2013984, -4690224, 4209408, -5152896, 4626720, 1397088,
2068416, -9471168, 16039296, -6967296, 182448, 2343600,
4944240, -269136, 8023680, 895104, -2354688, 11666592,
-3610656, -2467584, -19353600, -72576, -725760,
1959552, -1669248, 15966720, 2177280, 38102400,
-362880, -4572288, -1959552, -13353984, -7620480,
-798336, -5660928, -508032, -3701376, 217728, -8709120,
0], [1, 15, -105, -2595, 1035, 15885, 83925, -72225,

70, 1620, -10530, 69480, -55350, -81900, 97650, 5800,
-24480, 277200, -482400, 23400, 157760, -628800,
686400, -1780800, -678400, 0, 89600, -390, 3930,
-44820, -111060, 594450, -687150, 5940, -365040,
815400, -3430800, 1026900, 744480, -2145600, -2570400,
3561600, 5980800, 38340, -757620, 2751300, 985500,
-621000, -9579600, 6993000, 6588000, -4519800,
11874600, -8391600, -2328, 27000, 166320, -964080,
586440, 143640, -120960, 17280, 1745280, 4763520,
-748800, 6497280, -3628800, -6159360, 228960, 1732320,
-946080, -4263840, 5909760, -13512960, -967680,
2734560, -6259680, -248832, -2211840, 1244160,
-1244160, 9676800, 5806080, 13353984, -3960, 50400,
78480, -626400, -156600, -239040, 43200, 1224000,
-302400, -2073600, -460800, 0, 381600, 3902400,
-2484000, 28800, 6249600, 8920800, -714240, -3110400,
-3386880, -9999360, 7257600, 115200, 0, 4032000, 2160,
129600, -1015200, -1339200, 831600, 207360, 0, 3801600,
5875200, 5184000, 1339200, -8553600, 388800, 7603200,
-8683200, -552960, -8294400, 10506240, -345600,
5875200, 2073600, -49680, -477360, 1004400, 5907600,
-2786400, 7041600, 4082400, -6307200, -4773600,
18468000, -17841600, -6376320, 13426560, 5788800,
-17107200, 230400, 3456000, 4147200, -4838400,
11980800, -1382400, -8064000, 26956800, -29030400,
20736000, -24192000, -691200, -11059200, -22809600,
-36633600, -38707200, -82944000, -72576000, 691200,
10368000, 14515200, 34560000, 72576000, 691200,
8294400, 24192000, 2073600, 14515200, 10368000,
29030400], [1, 28, 345, 2130, 5895, 22680, 59535,
72450, -48, -184, 4320, -22680, -63000, -70560, 254520,
1280, 46320, -20160, -327600, -957600, 71120, -11200,
-210000, -823200, -134400, 179200, -22400, -618,
-10620, -28620, 52920, 280350, 200340, -13320, 47880,
1247400, 2079000, 1108800, 50400, 1864800, -1058400,
-84000, -604800, 19620, -307440, 636300, 1801800,
-630000, 4611600, -3931200, -4536000, 415800, 8643600,
100800, -456, -36576, -267120, -841680, -1136520,

146160, -103104, -1122912, -1048320, 614880, -1572480,
2479680, 1028160, 2042880, 369936, -1824480, -7696080,
7872480, -7015680, 9011520, -2419200, -6995520,
11168640, 1358784, 6910848, -7560000, 346752, 112896,
6959232, 25514496, 14160, 109440, 297360, -957600,
-3477600, -45360, 302400, 226800, -453600, -604800,
-201600, -336000, 151200, -1713600, -23284800,
-2469600, -13406400, -20160000, 987840, 28647360,
5523840, 16047360, -20563200, -5241600, 5644800,
1209600, 38160, 509040, 1911600, 3625200, -4500000,
388800, -979200, 7646400, 3139200, 10166400, -525600,
-10116000, -13752000, 3312000, -9158400, -5045760,
-11658240, -22464000, 518400, 27590400, 6796800,
-90000, 100800, -327600, 9727200, 3528000, -15624000,
1411200, -5644800, 10130400, 10382400, 29030400,
-12902400, -34675200, -806400, 5760000, -504000,
-806400, 504000, 806400, 6451200, -13305600, -1612800,
16934400, 4435200, -17740800, 4838400, -1249920,
-3548160, 9676800, 1330560, -1854720, 17256960,
-21611520, -1411200, -7056000, 2822400, -5644800,
11289600, 0, 0, 0, 0, 0, 0, 0], [1, 25, 240, 600,
-4425, -2205, 0, -39900, -30, 320, 6000, -58800,
-22050, -4200, -79800, 1400, 48900, -264600, 65100,
273000, 98000, -372400, 890400, 722400, 352800, 532000,
-291200, -570, -6750, 25650, 103950, 168000, -239400,
-17100, 155400, -31500, -403200, -142800, 268800,
-2171400, 75600, 1898400, -2284800, -2400, -159600,
562800, -1898400, 285600, -3578400, 2217600, -1008000,
957600, -1344000, 268800, -768, -31800, -1680, 121800,
159600, 26880, -124440, -147840, 886200, -1470000,
-1024800, -1713600, 1713600, 100800, 147840, -1579200,
3502800, -1596000, -2394000, 5191200, -403200,
-3847200, -4872000, 799008, -235200, -624960, 376320,
4945920, -3400320, 4752384, 11100, 14400, 388500,
54600, 1713600, -168000, 3284400, 3502800, -252000,
806400, 1008000, -1680000, -239400, 1554000, 1108800,
11608800, 5678400, 11155200, -218400, -134400, 2755200,
15657600, 21369600, -7123200, -23049600, -18950400,

36600, -15600, -293400, -2356800, 1543200, -424800,
2464800, -8380800, -1780800, -8572800, -1074000,
1204800, 9076800, -6230400, 1497600, 1584000, -7910400,
-25689600, 2448000, 12921600, 9369600, 1200, -638400,
-3519600, 1092000, 436800, -7089600, -5308800,
-9609600, 3981600, 7828800, -2419200, 5510400,
-5376000, 3897600, 11212800, 0, 0, 436800, -3696000,
-436800, 11760000, 21772800, -8064000, -14784000,
-6988800, 0, 43680, 436800, 5443200, -5443200, 7392000,
-14380800, -11182080, 772800, 2956800, -3360000,
-537600, -13440000, 1814400, 10886400, 14515200, 0, 0,
0, 0], [1, 25, 285, 1905, 6015, -5985, -42525, -32025,
-60, -700, 1860, 54600, 31500, -73500, -86100, 20,
9840, 309960, 8400, 52500, -7840, 912800, 386400,
218400, 739200, -694400, -1568000, -480, -9540, -72360,
-105840, -121800, -31500, -3420, -225120, 138600,
-1663200, -23100, -512400, 2100000, 982800, 5275200,
6081600, 46380, 98700, 657300, -1551900, -772800,
-3654000, -3528000, 3452400, 680400, -6585600, 1604400,
492, -6420, -170520, 10920, 1017660, -57540, 7680,
-1317120, -2069760, -1344000, -1720320, -2499840,
-4757760, 6935040, 394800, 1097040, 2262960, -683760,
1854720, -1370880, 8064000, 7911120, -11449200, 345408,
1921920, -2802240, 295680, -8359680, 8695680, 6849024,
10740, 123120, -86520, 344400, 2186100, 245280,
-2637600, -50400, 4284000, -8467200, -18144000,
-4300800, 589680, 1831200, 13885200, -2856000, 1444800,
3519600, 456960, 6478080, 10859520, 11665920,
-21934080, -67200, -14582400, 27014400, 12480, 553920,
835200, 724800, 744000, 1146240, -940800, 11318400,
-12652800, 4128000, -2193600, -10732800, 6398400,
-28435200, 18172800, -1198080, -3486720, -10275840,
17107200, -31776000, 17203200, -181680, 465360,
-747600, -6694800, 5376000, 12465600, -4704000,
-3864000, -3729600, 17203200, -26913600, -19225920,
26658240, -2251200, 6144000, -665280, -302400,
-2788800, -3796800, 9139200, 17203200, 2419200,
-5846400, 14044800, -22149120, -7257600, -1216320,

-2083200, -8164800, 10080000, 1747200, 336000, -698880,
-940800, -1881600, -6585600, 7526400, 1881600, 0, 0, 0,
0, 0, 0, 0], [1, 20, 145, 450, 615, 0, -1225, -3150,
-40, -400, -1680, -3640, 0, -4200, -1400, 160, 1360,
-6720, -42000, -44800, -8400, 22400, -36400, 5600,
-268800, -224000, 291200, -330, -2860, -5820, -9240,
8750, -14700, -280, 21560, 96600, 49000, 61600, -97440,
196000, 16800, -722400, -179200, -1980, -38640, 93100,
-214200, -361200, -193200, -235200, -705600, -43400,
-114800, 638400, -8, -2240, 1680, 30800, 55160, -8400,
8320, -23520, -51520, -182560, 618240, 584640, 6720,
-806400, 83440, -97440, 48720, -36960, 1751680, 517440,
-1532160, 1370880, -1845760, -107072, -228480, -436800,
-1572480, 62720, 819840, -3472896, 6000, 24960, -8400,
-50400, 184800, 78960, 56000, 680400, 386400, 201600,
336000, 784000, 287840, 280000, 100800, 1461600,
280000, 672000, -772800, 1055040, 1187200, -3951360,
-1424640, -1657600, -3404800, -1209600, 6960, 65360,
138000, -87600, 20000, -228160, -870400, 369600,
2736000, 1136000, -540000, -2008800, 1028800, 1276800,
19200, 151040, -322560, 8015360, 5036800, -889600,
-4108800, -83600, -271040, -462000, -16800, -56000,
-1243200, -1097600, 3763200, 274400, 2721600, 2508800,
-1836800, 215040, 2419200, -6835200, -69440, 179200,
-235200, -537600, -1702400, -761600, -4300800,
-3584000, 1836800, 5053440, 4121600, 228480, 985600,
268800, -2710400, -761600, -3494400, 5483520, 963200,
1232000, -672000, -985600, -537600, 1254400, 1254400,
-2508800, 0, 0, 0, 0], [1, 16, 33, -750, -4713, -4284,
9639, 5586, -12, 284, 2184, -6888, 28980, 27804, 1344,
320, 7824, -45360, 145488, 48720, 12320, 86240, -93408,
-156576, 76608, 155008, -186368, -318, -540, 19764,
3024, 29778, -5796, -7056, 22848, -352800, 256032,
-181104, -86016, 265440, -840672, 775488, 404544,
-7332, 54096, -158172, 249144, -263760, 700560, 741888,
-149184, 73080, 687120, -340032, -408, -2352, 87024,
94080, -321720, 31920, -24288, 31584, -144480, 633696,
-47040, -830592, 68544, 177408, 34944, 154560, 874944,

-178752, 1092672, -391104, 1653120, 184800, 772800,
-94080, -698880, 766080, 295680, -1795584, 623616,
-1505280, 4080, -27504, 5712, -38640, -348768, 41664,
134400, -721728, -790272, -1443456, 596736, -268800,
131040, -515424, -2241792, -1997184, -1720320,
-3279360, -147840, -53760, -2454144, -1091328,
-6402816, 235200, 4884096, 4322304, 10752, -122880,
-313920, -839040, 140352, -24768, 299904, -1802304,
-183552, 531456, -433920, -648192, 603264, -1873536,
-105984, 391680, -1602048, 672768, 5872896, 6523392,
-717312, -19392, -219072, 267456, 1646400, 658560,
-5376, 4480896, -1932672, 1459584, -13440, -1112832,
-263424, 6461952, -5746944, -5661696, 96768, 967680,
2714880, 505344, 188160, 4510464, -96768, -3080448,
-2236416, -666624, -2903040, -18816, -188160, -1427328,
1596672, -5268480, 9972480, 7526400, -295680, -1575168,
-1731072, 3365376, 7203840, -1524096, -4209408,
-2322432, -2612736, -5225472, 0, 0], [1, 16, 69, 330,
5511, 18612, 38115, 39930, -36, -748, -9768, -19272,
-53460, 24420, 145200, 440, -11616, 4752, -36960,
-223080, -16192, 102080, 580800, 496320, 274560, -7040,
-281600, -138, 1980, 3564, -47520, -171930, -152460,
9504, 105072, -39600, 198000, -393360, -4224, -1605120,
-95040, 865920, 232320, -24684, 51216, -98340, 935880,
509520, -2526480, -63360, 2962080, 209880, -2236080,
-707520, -264, 3696, -19536, -179520, -245256, 127248,
29568, 232320, 388608, 33792, 359040, -25344, 1507968,
-430848, -70752, -147840, -262944, 939840, 1685376,
-1153152, 1545984, -265056, -2773056, -61248, -54912,
-1222848, -287232, 1148928, -485760, -2095104, 2640,
19008, 36960, -264000, -1655280, 42240, 359040, 126720,
-1203840, -1330560, -1837440, -84480, -12672, 1478400,
-126720, -802560, 10306560, 4678080, -464640, 1807872,
-1351680, -6800640, 4511232, -718080, 295680, 2280960,
-4224, -4224, 887040, 2006400, -1499520, -722304,
-295680, -1330560, -3379200, -7265280, -802560,
8574720, -3125760, -4392960, 4815360, -734976, 5178624,
-1622016, 2787840, 929280, -6504960, -70224, -492096,

984720, 5253600, -686400, 2587200, -1985280, 337920,
-2075040, 306240, -14065920, -1981056, -2982144,
1858560, 13009920, 139392, -887040, -5723520, 3590400,
1731840, 6800640, 5068800, -2661120, 1182720, 7484928,
-16727040, 739200, -1098240, -3991680, 4055040, 929280,
-4519680, 3886080, 1305600, -5383680, 1466880, 5544960,
-2933760, 1520640, -4561920, 3041280, 0, 0, 0, 0], [1,
13, -9, -453, 1203, -1953, -12915, -10815, -12, -148,
-4452, 10416, -18900, -14700, -34860, 440, -10512,
29232, -18480, 29400, -8176, 62720, 65520, 70560,
13440, -82880, -15680, -162, 2502, 10980, 34020, 34230,
58590, 3276, 42168, -10080, -93240, 227220, -9744,
-295680, -105840, -90720, 87360, -19956, 24276, -47460,
-184380, 200760, 630000, 375480, 645120, 108360,
943320, -742560, -540, 1596, -26544, -32592, 213612,
-52332, 5856, -63840, 108192, -331296, 72240, 256032,
-150192, 126336, -26376, -433272, 330120, -155400,
-354816, -1870848, 421344, -2491104, 2541504, 112224,
227136, 207648, 542976, 997248, 130368, 1626240, 2136,
2448, -97440, 89040, 370440, 79296, -68880, 50400,
15120, -181440, -624960, 120960, 16128, -1165920,
-352800, -934080, -789600, -1186080, 181104, 793632,
122640, -932736, 1727712, -114240, 994560, 1915200,
-96, -25584, -72000, -198480, 289920, -298944, -355200,
1270080, -120000, 85440, -118320, 2933760, -932880,
672000, -1415520, -134784, -2357376, -1218816, 3372480,
-1375680, -3840000, -39360, 16464, 379680, -1701840,
112560, 164640, -1792560, 376320, 1632960, -3202080,
332640, -87360, -1950144, -1921920, 7680000, 109872,
932400, -1359120, -653520, 981120, 1142400, -1128960,
1602720, -3309600, 4585728, -2903040, -13440, 268800,
3185280, -201600, 1639680, 3252480, -8131200, -551040,
-2755200, 2432640, -752640, 1626240, -1330560, 1451520,
-120960, -2540160, 2540160, 0, 0], [1, 8, -119, -1118,
1623, 2732, 1535, 9570, 28, 612, -1192, 27256, -1940,
33460, 19600, 1040, -4432, 22512, 16560, -2080, 22464,
-87840, -274560, -234080, -98240, 49280, 98560, -222,
2292, -4220, -31680, -109470, -29220, -5344, -22992,

-139120, 56880, -263760, -1664, 337440, 312480,
-107520, 194880, -1476, 125136, -232380, 225720,
-135760, 463440, -631680, -957440, 377400, -2045040,
934080, -760, 6896, -3024, -128672, -37848, 34608,
-31584, -95840, 65952, 375584, -231360, 621312,
-111552, -7424, 42144, 371968, -25440, -13440, -728256,
-382528, -1120896, -263904, -1100736, 61184, -2304,
-406272, -280064, -10752, 499968, 1290240, 1136, -112,
1200, 301520, -258240, 65376, 45440, -916320, 562240,
726400, 838400, -295680, -68192, -334560, 2760960,
2490560, 658560, 3696000, 50944, 139392, 67200,
3202304, 3585792, -904000, -1921920, -4175360, 1824,
-76704, -72160, 384480, -188160, 8896, 362880, 143680,
857600, 856320, -582720, 1371840, -34560, -716160,
1013760, 178176, -101376, -116736, 702720, -2887680,
-2280960, -9920, 111424, 1321920, -216000, 597120,
55040, 1787520, -1110400, 1176960, -2555520, 1370880,
867840, 1483776, -8336640, 3456000, 97792, 302080,
-1685760, 940800, -787200, -3416320, 627200, -5030400,
5483520, -3735552, 7203840, -382080, -3022080,
-1614720, -4270080, -3601920, 679680, -6451200, 261120,
1712640, -2903040, 2680320, -11289600, 1188480,
7138560, 3440640, 3202560, 322560, 7464960, 0], [1, 1,
-231, -915, 11031, 11727, -22545, -13005, 84, 1172,
-5868, 23448, -162660, -66780, -13860, 3140, 5424,
-64008, -272400, -8940, 106688, -613120, 787200,
826560, 434880, 616000, -331520, -348, 360, -48096,
56520, 84780, 127440, -16236, -109008, 639000, 87120,
638820, -29664, -895680, 2560320, 1821120, -3286080,
32796, -110484, 453060, -216540, -1122480, 2274480,
-1617840, -3355920, -399600, 2280960, 710640, -564,
27756, 504, -109800, 699084, -133812, -64512, 622080,
1801728, -2227968, 239040, -2865024, -366912, -1256448,
184608, 341280, -4048704, 544320, 3603456, 2066688,
5048064, 3795984, 607824, -563328, -1631232, 2477952,
-1147392, -628992, 725760, -6822144, -1020, 14448,
-246600, -248400, 136980, -91200, 157440, -46080,
-705600, -958080, 600960, 725760, 397728, -1702080,

-2272320, -3216960, -2721600, -8361360, -290880, 58752,
181440, -806400, -17998848, 1667520, 6269760, 2983680,
-864, -19584, -77760, 1261440, -90720, -82944, 1290240,
-1036800, -898560, -4412160, -293760, -933120, -881280,
-5460480, -155520, -746496, 6511104, -1783296, 2315520,
-1866240, -1555200, -2304, 221184, 898560, -2211840,
288000, -2211840, -5564160, -4412160, 2211840,
-3939840, 7741440, 2260224, -4644864, -1105920,
10471680, 52992, -656640, -6013440, -241920, -1889280,
-6704640, 9757440, -8605440, 7257600, -9165312,
16208640, -449280, -1382400, 11301120, 2315520,
29998080, 24468480, 39916800, 1900800, 15448320,
5080320, 25367040, 3628800, -2453760, -20736000,
-42336000, -3006720, -16692480, -10679040, -29030400],
[1, 16, 105, 690, -753, -19404, -38745, 43890, -60,
-916, 2904, 44520, 69300, -70980, 3360, -1240, 192,
57456, -26880, 141960, 6272, 56000, 134400, -73920,
295680, 394240, -197120, -174, -4140, -47628, -78624,
-46830, 308700, 4032, -117264, -126000, -1648080,
149520, -23520, -1155840, -1784160, -26880, -1680000,
28164, 183120, 1249500, 1223880, 764400, -1779120,
3850560, -3336480, 1428840, 72240, 369600, 1176, 17520,
58800, 436800, 515928, -272496, 41088, -430080, 260736,
2365440, -470400, 741888, 1217664, 1387008, 109536,
-26880, -1526112, -1598016, -709632, 1338624, -6209280,
-2181984, 5853120, -311808, -247296, 1128960, -1817088,
3042816, -2376192, -2601984, 2640, -864, -158592,
16800, -1446480, 25536, 336000, -20160, -1854720, 0, 0,
-591360, -24192, 2184000, -342720, 8050560, 6021120,
-10960320, -107520, -5488896, -6252288, 3408384,
6031872, -994560, 5537280, -7096320, -3648, 147264,
-504000, 1024320, -117120, -135936, 1282560, 2453760,
-1605120, 3310080, -2467200, -1683840, -7445760,
14407680, -506880, 6225408, -5389824, -3446784,
-3179520, 10721280, -5698560, -107664, 240576,
-2068080, -3282720, 1243200, 5288640, -4058880,
-1303680, -5090400, 4643520, 2661120, 3341184, 1446144,
-1263360, -1689600, -72576, 0, 2029440, 6101760,

-1666560, -9085440, 10644480, 2983680, -15429120,
4494336, 0, 408576, -1075200, 967680, -5160960,
-9461760, 10536960, 3784704, 1075200, 2150400, 7526400,
-8601600, -2150400, 0, 0, 0, 0, 0, 0, 0], [1, 13, 54,
618, 2085, 7497, 0, -45780, -54, -1072, -2436, -5208,
74970, 195720, -91560, -736, 5616, -58464, -18480,
339360, 19040, -118720, -110880, 60480, -80640, -35840,
71680, -36, -396, -23796, -126252, -208320, 0, 7560,
30576, 73080, 211680, -416640, 86016, -23520, 1028160,
100800, 228480, 204, 48972, 47040, 1379280, 291480,
-110880, 352800, 1128960, 201600, -87360, -631680, 720,
14448, 72240, -64848, -366240, 271488, 28032, 18816,
-1083264, -1623552, -21504, -233856, -999936, -430080,
7392, 532896, -2507904, -163968, -1008000, -1241856,
2870784, -303744, 3134208, -317184, 1634304, 2451456,
1381632, -4591104, 989184, 5634048, 624, -24768,
137424, 184800, 161280, -102144, 934080, -342720,
-201600, 483840, 806400, 0, -151200, 1848000, -322560,
-3454080, -3843840, -4784640, -706944, -1381632,
4655616, 5720064, -6128640, -215040, -4408320, -645120,
-4128, 11712, 260640, 280320, 1015680, -569088, 88320,
-2903040, 1432320, -1789440, -939840, 353280, -3336960,
430080, 368640, 2550528, 6763008, 3667968, -276480,
1628160, -5130240, -64560, -201264, 913920, -840000,
500640, 2755200, 6115200, -3010560, -1693440, -4381440,
-3386880, -3655680, -6107136, 11827200, 1228800,
153216, -1733760, 2446080, -2795520, -510720, 2311680,
-1290240, 6451200, 3655680, -12558336, 3870720, 849408,
-3279360, 645120, -1612800, 4945920, 8171520, -9719808,
1182720, -1182720, -2365440, -2365440, 4730880, 0, 0,
0, 0, 0, 0, 0], [1, 10, -15, -30, -2025, -3510, 3375,
11250, -30, -490, 3060, 5760, 3150, -57150, 22500,
-1060, 4020, -27180, -58500, -21600, -1960, -61600,
-82200, -60000, -15600, 20800, 20800, -60, 180, -4860,
18900, 88200, -27000, 2340, 180, 224100, 13500, 9000,
12960, 176400, 788400, 38400, 374400, -3960, -71640,
36000, -586800, 9000, -27000, -1026000, 820800, -43200,
-252000, 28800, 372, 7200, 30600, 4680, -63900, -39240,

19440, -119520, 199440, 231840, 160560, -58320,
-198720, -373440, 36360, -229680, -478440, 493200,
-656640, 371520, 1434240, -534240, -696960, -170352,
545040, 95040, 174240, 840960, -1008000, 405504, 660,
-44460, -77580, -98100, 135000, -34920, -3600, -27000,
291600, 280800, 468000, -62400, 34560, -360000, 928800,
-943200, -1368000, 2275200, 98640, -1826640, -1156320,
601920, 3507840, 1213200, 1980000, 86400, 2880, 48240,
-162000, 165600, -295200, -108000, -122400, -777600,
-396000, -1483200, 104400, -219600, 2152800, -3700800,
604800, 1365120, 1316160, -4233600, -2656800, -1281600,
3052800, -43920, 190800, -417600, 316800, 478800,
169200, 208800, -619200, 691200, 1670400, -1296000,
-614880, -446400, -3859200, 3571200, 98640, 295200,
1040400, 208800, -1310400, -2966400, -835200, 2786400,
360000, 1704960, -1382400, 51120, 133200, -1576800,
2570400, 4161600, -3312000, -2027520, -662400, 1094400,
-1008000, 4089600, -3513600, -1814400, -1814400,
3628800, 0, 0, 0, 0], [1, 5, -110, -530, -2535, 10445,
34400, -32100, 10, 240, 6980, -5480, -21950, -68600,
4600, -1000, 6680, -15000, 101400, -34000, -23760,
105600, 123600, 191200, 92800, 12800, -51200, -120,
120, -80, -17040, 93600, -78000, -4240, 3840, -203200,
-348000, 237600, -57680, 51600, -669600, -304800,
-888000, 60, 68220, 115200, 349200, 35000, -88800,
717600, -1366400, 259200, -139200, 316800, 32, 4160,
27360, -213920, -164640, 108480, 0, -80000, 515520,
-152320, 100800, -828480, 307200, 732160, 46560, 26080,
-280320, -197760, 383040, 517760, -2085120, -591360,
276480, -120832, 452160, -796800, 183040, -291840,
437760, 589824, 560, -53200, 77520, -322000, 578400,
11040, -428800, 348000, -267200, -377600, -659200,
153600, -87200, -300000, 696000, 1995200, 2524800,
-364800, 288640, -201600, 2618880, -3082240, 1344000,
1625600, 537600, 256000, 8640, 14400, 516800, 417600,
-9600, 346240, 1056000, 2387200, -438400, 1824000,
-201600, 1392000, -2822400, 4838400, -460800, -1107840,
4320000, 4930560, -7027200, -9984000, -1612800, -24320,

-55040, -288000, 432000, -38400, -2156800, -3667200,
2163200, -508800, -1766400, 2342400, 395520, -5736960,
5683200, 3225600, 102400, 179200, 624000, -2054400,
-1776000, 1683200, 1587200, -1804800, 230400, -768000,
1996800, -329280, -1603200, -5030400, 3168000, -960000,
-460800, -2949120, 105600, 883200, 7257600, -7296000,
-2764800, 1344000, -1075200, -7526400, 4838400,
9676800, 0, 0], [1, 6, -51, 450, 1791, 4662, 315,
-5670, -26, -918, -2268, -16632, -23310, 30870, 6300,
-260, 10404, 2772, -39060, -211680, 25928, 94080,
130200, -211680, 17360, 120960, -78400, 132, 3300,
-1116, -1260, -73080, -7560, 6804, 2772, 69300, 409500,
118440, -68544, -166320, -811440, 73920, -430080,
-11304, -25704, -332640, 136080, 153720, 506520,
-347760, -1048320, -544320, 90720, 362880, -204, 2016,
504, 57960, 127764, -31752, -1872, -40320, -49392,
548352, -398160, 319536, 661248, 474432, -21672,
257040, 231336, -619920, -129024, 3181248, -2330496,
1469664, -798336, 39312, -311472, -399168, -901152,
338688, -725760, -1741824, -300, -29052, 28980, 56700,
52920, -63000, 307440, 103320, 650160, -675360,
-836640, 73920, -124992, 504000, 211680, -1380960,
221760, 2177280, 176400, -1381968, -453600, 1108800,
-459648, 720720, -393120, 927360, 576, 51696, -66960,
-583200, 125280, -167904, -1003680, -120960, 1375200,
3337920, 775440, -784080, 1283040, 2600640, -1607040,
445824, -2431296, -1420416, -1697760, -112320, 1347840,
-28944, 63504, 544320, -302400, 982800, -1587600,
-816480, -1270080, -483840, -4354560, 5201280, 1469664,
1342656, 1935360, -2695680, 180432, -937440, -771120,
-453600, 1592640, 483840, 1411200, -90720, 2358720,
-870912, -2903040, 45360, 1103760, 997920, -272160,
-6592320, -3991680, 8709120, -1209600, 3265920, 362880,
-1693440, -725760, -1330560, 3991680, -2661120, 0, 0,
0, 0], [1, 2, -119, 130, -249, -3262, -10297, 9282, 10,
-258, 3380, 5488, 7126, 15946, -10220, -484, -172,
-16044, 60060, 135968, -7560, -23520, -43512, 139552,
19600, -13888, 13888, 36, 1908, -4508, 30324, -3192,

23016, 2660, -1260, -43036, -164388, -124824, 3808,
-92400, 138096, -83328, -163968, -6360, -24696, -26208,
-61488, 39368, -343896, 554736, 226240, -348096,
616224, -276864, -364, -736, -46872, -43064, 8484,
5880, -6288, -68768, -65520, -488992, 160944, -161616,
-353472, 62272, 21672, 47824, 1058232, 312144, 295680,
-1215424, 88704, 1204896, -991872, 91280, -57456,
-331968, -134624, -865536, 1298304, 0, 596, -14668,
82740, 154028, -224616, 22008, 157808, -439320,
-462896, 175840, 289184, -41664, -151424, 127680,
-1165920, 423584, 888384, -513408, -8624, 1351728,
621600, 1112384, -3631488, -172144, -565152, -1253504,
3072, 51504, -76048, 29088, -23712, 52000, 526560,
517504, -299872, -645312, 608208, -735312, -667296,
864192, -31104, -1072512, -695232, 2781312, -1927584,
1957056, 2048256, -27920, 115024, -189504, 290304,
-279216, 1259888, 850080, -150976, -451584, 1521408,
-1034880, -1854048, 3076416, 2188032, -5313024, 112336,
-295904, -479472, 769440, -1310400, 97664, 753536,
-1132320, -20160, -1505280, 3010560, -349776, -45360,
1758624, 825888, 915264, -3104640, 0, -18816, -1542912,
-2298240, -2349312, 6209280, 2335872, -825216,
-1510656, 3225600, -3225600, 0, 0], [1, -4, -191, 370,
2271, 6152, -2545, -4830, 64, 312, 3632, -13832,
-47960, 27520, 6040, 440, -3616, -15648, 81600,
-195640, -26352, 72480, -114000, -127040, -77120,
-131200, 52480, -138, -780, -17036, 4200, -73170,
25140, -3736, 39192, -176200, 118920, 141120, 64576,
563520, -38880, -149280, 1038720, 4236, 43056, 136260,
356760, -27280, -557520, -479040, 1264480, 347400,
-266640, -221760, -184, 7616, -25776, 69040, 245544,
-56112, -18432, 105760, 491328, 463712, -34560,
-168384, 395328, -228608, 57648, -267680, -590064,
-737760, -514944, 605888, 849024, -689856, 1862784,
-72448, -410112, 177792, 158848, 1567488, -1117440,
-1096704, 560, -6832, 161760, 23600, -171120, 37680,
-175360, 384720, 445600, 267520, 239360, -157440,
-184832, 1151520, -625920, -782560, -2270400, -1997760,

101440, -255168, -923520, -398080, 486912, -738880,
-1933440, 1108480, 2736, -24624, -46960, -578160,
202080, 197056, -1167360, -1025600, -732160, -1493760,
-99360, -1074720, 1177920, -2897280, 506880, 1365504,
-1990656, -5584896, 990720, 6466560, 3916800, -20864,
-41216, -253440, -138240, -787200, -1431040, -504960,
1754240, -1090560, 1378560, -2069760, 461184, -1707264,
6478080, -2027520, 109312, -16640, -119040, -309120,
1029120, 2812160, -2997760, 3672960, -1843200, 3821568,
-6159360, -499200, -76800, 1518720, 3726720, -49920,
4826880, 5483520, 1660800, 4149120, 933120, -4047360,
0, -1196160, -1248000, 11827200, -6635520, -3732480,
-11197440, 0], [1, -12, -231, 1698, 6975, -11088,
-74025, 47250, 136, 288, -6336, -53928, -60480, 375480,
-63000, 4024, -5184, -18144, 292320, 27720, 27440,
225120, 122640, -47040, 2240, 120960, -98560, -426,
-4476, -8316, 260568, 48510, -132300, -17640, 39816,
-325080, 1514520, -655200, -48384, -483840, -2812320,
204960, -1276800, 12204, -111888, 1183140, -2638440,
-317520, -196560, 2116800, -2691360, 793800, -498960,
907200, 840, 31968, -45360, 140112, -748440, 111888,
-4608, 768096, -1560384, -1969632, -532224, -12096,
471744, 510720, 160272, -1590624, -2785104, 3138912,
2540160, 2044224, -1766016, -4644864, -3048192,
-653184, 2951424, 2612736, 1233792, -4402944, -1161216,
6386688, -2736, -44208, -294336, -136080, 378000,
-154224, -241920, -2152080, 211680, -1532160, -322560,
725760, 221760, -897120, 5927040, 171360, 4616640,
7560000, 697536, 36288, -1862784, -8983296, 15966720,
3165120, 1814400, 4032000, 4752, 60912, 287280, 390960,
-315360, 343872, 691200, 1546560, 2695680, 6670080,
-125280, -1438560, -544320, 10039680, -829440, -387072,
3276288, 15648768, -8017920, -11750400, -2903040,
-17280, -48384, 0, 483840, -1209600, 483840, 5443200,
604800, -483840, 10886400, -1693440, -3265920, 1016064,
241920, -12441600, 112896, 241920, 725760, 1330560,
4999680, 9918720, -1774080, 6894720, -11612160,
7547904, -18385920, -628992, -483840, 2540160,

-10039680, -23466240, -25401600, -41223168, 3024000,
3991680, -13789440, -3386880, -5806080, -10765440,
-35562240, -7741440, 14515200, 49351680, 20321280,
46448640], [1, 0, -75, 1290, 855, 13860, 58275, 85050,
-20, -1500, -3240, -57960, -144900, -233100, 277200,
1000, 34560, 176400, 201600, -264600, 82880, 201600,
1243200, 2284800, -1052800, -2352000, 627200, 390,
5340, 4140, -10080, -261450, -888300, 4320, -216720,
-126000, -579600, -2091600, -524160, 302400, 1008000,
1276800, 672000, 19620, 257040, 1039500, 340200,
277200, 2646000, 6048000, -2368800, 1020600, 1587600,
-907200, -1128, -9360, 85680, 524160, 808920, -45360,
-54720, 221760, -624960, -1189440, -403200, -3951360,
-6854400, 1585920, -131040, 120960, 1179360, -2963520,
-1854720, -10644480, 5160960, -3719520, 8890560,
157248, -1088640, 5987520, 5322240, -4354560, 1814400,
7547904, 720, -21600, -221760, -453600, 831600, 60480,
-201600, 3729600, 2419200, 2217600, -1008000, 0,
100800, -4132800, 6048000, 6249600, -14918400,
-15422400, 564480, -6048000, 725760, 11531520,
-4838400, 806400, 1209600, -5644800, 2880, 100800,
-129600, -129600, -1123200, 46080, -2188800, -518400,
4953600, -115200, 1641600, -4924800, 9331200, -2937600,
-3110400, -449280, 518400, 8017920, -3110400, -5875200,
5184000, -19440, -60480, -75600, 4384800, 1512000,
-3931200, -9676800, 4838400, -4082400, -6350400,
3628800, 8346240, 16692480, -4838400, -10368000,
201600, -1209600, -5443200, 6048000, 2016000, 22982400,
-11289600, 3628800, -29030400, -21772800, 33868800,
-362880, 8467200, -19958400, -21772800, 31449600,
39916800, -37739520, -2419200, 14515200, -7257600,
-19353600, 14515200, 0, 0, 0, 0, 0, 0, 0], [1, -3,
-114, 1170, -2259, -3087, -4032, -24948, 10, -1008,
2700, -16632, 41706, -504, -57960, 496, 7488, 47376,
-50400, 36288, 42560, -47040, 2688, -177408, -219520,
-177408, 78848, 276, 3228, -1548, 9324, 137088, 223776,
5400, -146160, -44856, 74592, 697536, -256032, -120960,
-814464, 1085952, 1247232, 12780, 89964, 84672,

-263088, 220248, 139104, -1227744, -564480, 653184,
-1705536, 798336, -1104, -11376, 11088, 47376, -223776,
0, -42048, 346752, -342720, 137088, 330624, 1096704,
903168, -1118208, -86688, 320544, -1306368, 895104,
-806400, -774144, 1419264, -653184, -145152, 120960,
-556416, 145152, 677376, 774144, -1161216, 0, 2256,
11232, -35280, -508032, -133056, 116928, -366912,
201600, -1645056, -40320, 1177344, -236544, 122976,
-1008000, -604800, 4322304, 2386944, -580608, -8064,
1548288, -1451520, -3741696, 4257792, -370944, 2999808,
-1419264, -288, 51264, 123552, 425088, 148608, -184320,
806400, 843264, -916992, -3382272, 779328, 1513728,
-3545856, -6248448, 3649536, -2633472, 3276288,
-1824768, 124416, 1022976, 1161216, -23760, -27216,
72576, -374976, 139104, -1959552, 2540160, 1741824,
-3677184, 10015488, -5322240, 5225472, -4644864,
-7354368, 3649536, 153216, -1137024, 2032128, -1451520,
1048320, -677376, -1419264, -1451520, 2903040, 0, 0,
-435456, 3144960, 290304, -6676992, -2128896, 5806080,
0, -193536, -5225472, 5806080, 11225088, -11612160,
4257792, -12773376, 8515584, 0, 0, 0, 0], [1, -8, -159,
1410, -3969, -4212, 11583, 13122, 60, -508, 6120,
-6552, 77436, -23004, 32400, 776, -20352, 15696,
-178560, 78408, -5920, -146560, -134112, -264768,
303360, 566272, -161792, 66, -252, -6588, -40176,
-50382, -181764, 5040, -12960, 273024, -88128, -581904,
80928, 17280, 871776, -389568, -1162368, 1620, -40176,
104652, 44712, 55728, 452304, 720576, -583200, -134136,
517104, -108864, -744, -5616, -4752, 59616, -231336,
58320, -33408, 257472, -241920, 399168, 261504, 273024,
235008, -242688, -27648, 108864, -528768, -279936,
-794880, 279936, 13824, -303264, 917568, 51840,
-331776, -217728, 850176, 705024, -1057536, 0, 3216,
32832, 129600, 62208, 517104, 164448, -853632, 220320,
1819584, -910080, -1092096, 485376, 72576, -103680,
2099520, -1238976, -2042496, -451008, -31104, 1150848,
1244160, -4478976, 2115072, -1119744, -3359232,
4478976, -6048, -94176, -308448, 489888, -171072,

-397440, 1520640, -1627776, -179712, 2515968, -274752,
-1415232, 2208384, 3462912, -1741824, -1285632,
1617408, 663552, 9455616, -5474304, -7962624, -10800,
212544, -763344, -629856, -115776, 191808, -2280960,
-763776, 578016, -5303232, 3628800, 2270592, -5785344,
1804032, 6967296, 112896, -543744, 2204928, 241920,
1175040, -2774016, 1345536, 3905280, -3317760, 2350080,
-4700160, -539136, 2177280, -3234816, 476928, 1119744,
0, 0, 1638144, -4914432, -3110400, 6386688, 0, -165888,
12939264, -12773376, -12441600, 12441600, 0, 0], [1,
-15, -180, 2460, -4725, 135, 21600, -24300, 130, -480,
1080, -40320, 44550, -167400, -5400, 3520, -41940,
174960, -139500, 27000, -9280, 27600, 493200, 672000,
-47200, -571200, 108800, -270, -4410, 16470, -33750,
108000, 210600, -3780, 100440, 99900, -172800, 766800,
276480, -5400, 270000, -1015200, -460800, -17280,
-58320, -550800, 194400, -237600, -972000, -2073600,
1382400, -583200, 0, 0, 432, 14040, 4320, 251640,
226800, -77760, -9720, -8640, -854280, -287280,
-1127520, -1589760, -1978560, 2004480, 99360, -181440,
913680, 64800, 611280, 2475360, -2090880, 1982880,
-2566080, -184032, 648000, 1632960, 51840, -3214080,
466560, 1741824, 780, -6480, -32940, -858600, -453600,
87840, -723600, 1868400, -2916000, 1821600, -475200,
-326400, -52920, 1090800, -2980800, -1317600, 5227200,
4665600, 652320, -3784320, -2021760, 7810560, -1658880,
-1252800, 8035200, -5875200, -7560, -157680, -113400,
0, 64800, -367200, -21600, 259200, 1900800, 1209600,
-1263600, 2721600, -1166400, 777600, 0, 1762560,
-4043520, 4147200, 4665600, 2073600, -6220800, 19440,
648000, 1069200, 1620000, 1166400, 3240000, 3888000,
-3110400, 4860000, -1166400, 0, -1866240, 15552000,
-25920000, 0, 40320, -1382400, -129600, -604800,
-417600, -3024000, 1958400, -6739200, 8294400,
-9745920, 11750400, -557280, 2721600, -3888000,
-3369600, 1555200, -10886400, -8709120, 2980800,
-6220800, 7776000, -7257600, 0, -10108800, 4665600, 0,
9331200, -31104000, 43545600, 0], [1, -24, -135, 4530,

-13473, -21924, 21735, 17010, 220, -1596, -13176,
-32760, 359100, 3780, 15120, 11080, -85248, 511056,
-685440, 249480, 157472, -336000, -272160, -1525440,
-515200, -107520, 143360, -774, -7020, 129492, -3024,
-171990, -351540, -38448, 12096, -756000, -514080,
-1103760, -272160, -2056320, -3114720, 3407040,
5443200, -47196, 680400, -578340, 612360, -1285200,
1769040, 7076160, 1300320, 612360, 3129840, -2721600,
3096, 41040, -257040, -332640, -1029672, 244944,
131328, -302400, -1137024, 2963520, -846720, 9168768,
5612544, -4096512, 374976, -2721600, 7293888, -1161216,
9047808, -5878656, 483840, -925344, 544320, -580608,
4644864, -10886400, -12918528, 8418816, 7838208,
-10450944, -9840, -152064, -84672, 907200, 1678320,
-461664, 1814400, 1300320, 4173120, 3467520, 2661120,
-1720320, -749952, -241920, 181440, -1753920,
-18264960, -14696640, 1330560, -8781696, 9580032,
13837824, -22353408, 3507840, -5080320, -3870720,
19872, 363744, 1490400, 1749600, -492480, 1033344,
-483840, 2125440, -8432640, -13962240, 1166400,
5832000, -4199040, -14618880, 2488320, -1907712,
16920576, -26210304, -24261120, -10782720, 17418240,
-11664, -108864, -2766960, -5352480, -907200, -2721600,
-14515200, 2540160, 2812320, -20139840, 5080320,
-1524096, -35271936, 35562240, 37324800, -32256,
-2419200, -1451520, 1209600, -2257920, -12096000,
2580480, -25401600, 5806080, -4644864, 38707200,
-290304, 8709120, 6531840, 725760, 21772800, 56609280,
80123904, 3628800, -19595520, -4354560, 20321280,
17418240, -21047040, 30481920, 23224320, 78382080,
34836480, -121927680, -139345920], [1, -35, 30, 7170,
-48915, 945, 302400, -170100, 330, -4720, -24660,
189000, 1017450, -2532600, 264600, 26480, -251040,
1265040, -5342400, 2217600, 741440, -4648000, 3091200,
4166400, 2688000, 5017600, -1433600, -1500, -3060,
409860, -1425060, -1814400, 2268000, -134280, -287280,
2154600, 3477600, 2721600, -3376800, 604800, 34473600,
5107200, -32256000, -68580, 5046300, -15422400,

8845200, -5027400, 62143200, -45813600, -49593600,
16329600, -46267200, 27216000, 8112, 41040, -1254960,
-166320, 8799840, -1451520, 650880, -2298240, 14031360,
-9676800, 13345920, -9192960, -29514240, -9891840,
574560, -19686240, 22861440, -8346240, 10644480,
-124830720, 48384000, -68584320, 54432000, 217728,
1451520, 13063680, 17418240, 11612160, 17418240,
27869184, -36240, -364320, 3341520, 7560000, -11793600,
-2479680, 9576000, -22982400, -8467200, -25804800,
-35481600, 17203200, -4142880, 48988800, -41731200,
-55641600, 116121600, 87091200, -1330560, 15966720,
-15966720, -42577920, 63866880, 4838400, -29030400,
38707200, 133920, 1874880, -4212000, -24624000,
4924800, 8674560, -25574400, -4147200, 23500800,
63590400, 18273600, -101088000, 41990400, 111974400,
-24883200, 9953280, -59719680, 79626240, -53913600,
107827200, 99532800, -382320, -6395760, -7257600,
33566400, -25855200, 27216000, 45360000, 14515200,
-58060800, 141523200, -50803200, -56609280, 113218560,
203212800, -373248000, 766080, 13104000, 41126400,
-12096000, 58060800, 32256000, -25804800, 120960000,
-58060800, 216760320, -387072000, -1088640, -7257600,
-65318400, -87091200, -58060800, -87091200, -418037760,
3628800, -43545600, 43545600, 116121600, -174182400,
-29030400, 174182400, -232243200, 174182400,
-348364800, -696729600, 1393459200], [1, 21, 261, 1605,
3375, 2835, 85995, 48195, -104, -660, 4320, 12600,
-415800, -79380, -151200, 2260, 39600, 491400,
-1033200, 321300, 12320, 1125600, -3679200, 117600,
1904000, -2486400, 2643200, -576, -13140, -55080,
317520, 567000, 306180, -7020, -393120, 1247400,
4989600, 623700, -619920, 2570400, 1587600, 6148800,
-14011200, 127980, -34020, -5273100, 170100, 1134000,
-680400, 15649200, 25628400, 680400, 0, 21092400, 1980,
-17172, -439992, -929880, -2891700, -850500, -58752,
-1814400, 362880, 1814400, -4959360, -7257600, 9072000,
-22417920, 553392, 4490640, -9389520, -13471920,
1451520, -56609280, -31207680, 1224720, -20548080,

1415232, 14587776, 30373056, 43981056, 15240960,
22425984, -42674688, 16260, 295920, 703080, 3099600,
-963900, 131040, -2872800, 11340000, -4687200,
-7660800, 52012800, 8601600, -2494800, -7711200,
-4762800, -44452800, 6350400, -22453200, -2540160,
-30481920, 3265920, 18869760, 97977600, 18748800,
-12700800, -49593600, -32400, 362880, -583200, 777600,
5151600, 2747520, -2592000, -24105600, -6739200,
6739200, -777600, 34992000, 3888000, -29548800,
-60264000, -24883200, -16174080, 53498880, 29548800,
-4665600, 12441600, -200880, 136080, -680400, -680400,
6350400, 2721600, -19051200, 6350400, 2721600,
43545600, -2721600, -44089920, -4898880, 2721600,
7776000, -504000, -1512000, -907200, 5745600, 6451200,
-4838400, 4032000, 12700800, 19958400, -29030400,
-12096000, -544320, -3265920, -5987520, 2177280,
-10886400, 14152320, 4354560, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0], [1, 16, 141, 330, -825, 13860, 10395,
16170, -84, -220, 1320, -46200, -69300, -133980,
-92400, 1760, 26400, 0, 184800, 184800, 12320, -246400,
184800, 369600, 0, 985600, -492800, -426, -5940, 17820,
166320, 57750, 180180, -7920, -73920, 554400, -554400,
-646800, -73920, -369600, -3326400, -2587200, 2956800,
48180, -351120, -716100, 1062600, 462000, 3603600,
-1108800, -2217600, -138600, -462000, -4065600, 1320,
-15312, -136752, -480480, -231000, 92400, -33792,
73920, 1034880, 2587200, -591360, 2217600, -2217600,
1774080, 192192, 517440, -3769920, -1182720, -1774080,
443520, 7096320, -480480, -1404480, 413952, 3607296,
3015936, 2424576, -2956800, 5558784, -4021248, 10560,
126720, 480480, 369600, -554400, -36960, 739200,
-2772000, 1108800, 4435200, -4435200, -1478400,
-1108800, -739200, 4435200, 2587200, 5174400, -739200,
-2808960, -12270720, -3252480, -20106240, -8870400,
2956800, 11827200, 8870400, -26400, -153120, -871200,
2085600, 1161600, 443520, -4224000, 950400, -211200,
-6124800, 2270400, 6072000, 5808000, 14995200,
15840000, -1267200, -5998080, 506880, -1267200,

-12249600, -6758400, -44880, -73920, -92400, -4250400,
-369600, 369600, 2956800, 1478400, -554400, -10718400,
-13305600, 5470080, 17445120, 5913600, -4224000, 0, 0,
2956800, -1478400, -2956800, 5913600, 0, -4435200,
-5913600, 5913600, 0, 295680, 295680, -2661120,
-2661120, 2956800, -7687680, 9461760, 672000, 3360000,
-1344000, 2688000, -5376000, 0, 0, 0, 0, 0, 0, 0], [1,
12, 45, -726, -5049, 16632, -45045, -20790, -56, 528,
4752, -60984, 166320, 83160, 138600, 880, 25344,
-166320, 332640, 0, 45584, -73920, 388080, -850080,
862400, -2365440, 640640, -414, -2772, 55836, 49896,
-353430, -124740, -16632, -49896, 83160, -1746360,
665280, -133056, -1330560, 4989600, -110880, -887040,
32076, -299376, 1288980, -249480, 831600, -498960,
-665280, 2661120, -582120, -1496880, 3326400, 792,
-19008, 33264, -33264, 948024, -99792, -38016, 332640,
399168, -2461536, -1330560, 2794176, 665280, -1419264,
99792, -731808, 698544, 2195424, 266112, 133056,
-5854464, -798336, 4790016, 266112, -532224, -3193344,
2927232, -1064448, 1596672, 0, 8448, 23760, 199584,
-720720, 665280, 11088, 1995840, -4490640, -776160,
1330560, -2661120, 2513280, -665280, 1663200, 3991680,
3659040, -8648640, 3991680, -1729728, -5987520, 798336,
-9047808, -7983360, -221760, 6652800, 6209280, -14256,
-308880, -1449360, 641520, -2138400, 133056, -4942080,
4086720, -10454400, 11594880, 2423520, -997920,
-11689920, -19958400, -14826240, 6690816, 18247680,
18399744, 3421440, 1140480, 2280960, 38016, 532224,
2661120, 0, 0, 10644480, 1330560, 17297280, -5322240,
-7983360, 13305600, -8781696, -11176704, -7983360,
-4561920, 0, 0, 0, 3991680, 0, -7983360, -15966720,
3991680, 15966720, 0, 0, 0, 0, -3991680, 3991680,
-7983360, 7983360, 0, -362880, -362880, 3628800,
4354560, 14515200, -1330560, -7983360, -10644480, 0, 0,
0, 0], [1, 13, 117, 429, -561, -11781, 10395, -26565,
-96, -484, 1848, 24024, -110880, 133980, 64680, 1364,
1584, 160776, -240240, 106260, -17248, 234080, -332640,
-110880, 147840, -49280, 98560, -288, -5940, -24552,

99792, 46200, -207900, 2772, -170016, -304920, 554400,
-115500, -114576, -628320, 1829520, -221760, 369600,
62700, 259644, -1113420, -632940, 646800, -2273040,
-1718640, -2273040, -166320, 295680, -4860240, 1980,
4620, -90552, 197736, -10164, 193116, -4224, -206976,
561792, -1567104, -384384, -1419264, 88704, -1300992,
18480, 1533840, 3537072, 2967888, 2838528, 5677056,
3015936, -683760, 8689296, -14784, -2099328, -2882880,
-295680, 295680, -12388992, 5795328, 5412, 109296,
35112, 572880, 679140, 36960, -628320, 2106720,
-776160, -887040, 2661120, 0, -986832, -1367520,
-609840, -1256640, -1848000, 8445360, 325248, -4494336,
-4996992, 591360, -10821888, 3696000, -1626240,
-887040, -35376, -8448, -586080, -2703360, -1327920,
696960, 2830080, -3991680, 4012800, -2999040, -718080,
4667520, -3336960, 5026560, 4783680, -2433024,
11117568, -6589440, -5195520, 13643520, -6420480,
-56496, -92400, 314160, 2531760, -517440, -369600,
5691840, 1404480, -665280, -9461760, 11309760, 6638016,
-9683520, -3030720, -4012800, 44352, -221760, -960960,
369600, -2365440, -5913600, -1774080, 443520, -9609600,
14665728, 5322240, 369600, 1034880, 2882880, -2661120,
1478400, -2513280, -591360, 376320, 752640, 2634240,
-3010560, -752640, 0, 0, 0, 0, 0, 0, 0], [1, 10, 75,
330, 2475, 8910, 7425, 24750, -90, -550, -3960, -13860,
4950, -143550, -9900, 1760, 5280, 31680, 396000,
-79200, -24640, -220000, 211200, -448800, -211200,
-70400, -70400, -150, -1980, -5940, -59400, 54450,
29700, 3960, 27720, -297000, 534600, 792000, 95040,
-158400, 1425600, 528000, -792000, 13860, 75240,
-247500, -1326600, -99000, -772200, 1306800, 0, 59400,
277200, 1108800, 1452, 3960, -27720, -348480, -306900,
-399960, 0, 316800, -887040, 63360, 728640, -1140480,
1235520, 2365440, -55440, 982080, 2589840, -1504800,
-380160, -2661120, -570240, 530640, 1726560, -202752,
-126720, 2661120, -2914560, 633600, -3548160, 1165824,
2640, 63360, 348480, 158400, 356400, -110880, -475200,
-3564000, -950400, 633600, -3168000, 211200, -380160,

-316800, 475200, 2059200, -8236800, 1108800, -253440,
1203840, 2977920, 8110080, 4181760, 1267200, 5068800,
3801600, -31680, -174240, 712800, 1029600, 871200, 0,
2534400, 0, -633600, 4435200, 158400, -3643200,
-633600, -2534400, -6652800, -760320, -11151360,
-7603200, -3801600, 1267200, 10137600, 7920, -554400,
-277200, -396000, -871200, 5623200, -2059200, -5068800,
237600, 4910400, 5702400, 5100480, -4118400, -14572800,
6336000, 221760, -633600, -1108800, 316800, -1267200,
5068800, -1267200, -950400, 3168000, 4055040, -7603200,
506880, -633600, -1900800, 0, 1267200, 1267200,
-506880, 460800, -460800, -921600, -921600, 1843200, 0,
0, 0, 0, 0, 0, 0], [1, 7, 15, -291, -789, 117, -4995,
-6465, -66, 68, 582, -5304, 1170, 40260, 7050, 680,
-96, 15120, -51360, -600, -9856, -27520, -49920,
107520, -144000, 300160, -66560, -174, -702, 16956,
29916, -41430, 4410, -2412, -33456, 43560, -254160,
-153420, 24864, 431040, -669600, 232320, -320640, 9876,
-102756, 76980, 455820, -25800, 437040, 337320, 810720,
-67320, -358680, 1309200, 1032, -4008, -19536, 66576,
151464, 78648, 9984, 157440, 89088, 29184, 243840,
-336384, -5760, 331776, -16608, -104928, -468576,
47904, -523008, -278784, -1142784, 912864, -1454304,
-92928, -562944, -958464, -1367808, 275712, -173568,
960000, 2568, 18720, -79536, -37920, -153720, -16512,
-447360, 783360, 80640, -23040, 161280, -222720,
-15840, 196800, -105120, -2213760, 2156160, -1967520,
193152, 2065920, 195456, 4564992, 3916800, 647040,
-2198400, -2257920, -20496, -85440, -214560, -271680,
-224400, 32256, -238080, 1105920, 364800, -203520,
726720, -405120, -726720, -844800, -2139840, 723456,
3171840, -377856, -2684160, -856320, -215040, 29136,
307824, 336720, 30000, -420000, -793920, -687840,
-3400320, -865440, 918240, -3585600, 1209984, 180096,
3143040, 3598080, 34560, 345600, 76800, 410880, 960000,
-744960, 3386880, 1025280, 1470720, -5928960, -1036800,
-96000, -96000, 69120, 2522880, -994560, 3394560,
-4800000, -526080, -1006080, 326400, 245760, 960000,

-725760, -725760, 1451520, 0, 0, 0, 0], [1, 2, -65,
-806, -429, 11102, -13195, 19110, -26, 858, 2912,
-14924, 88270, -26390, -45500, -520, 1664, -21840,
-87360, -200200, 13104, 152880, -283920, 211120,
145600, -58240, 58240, -234, 468, 24076, -100464,
-111930, 60060, -10192, -52416, 50960, 677040, 152880,
-125216, -87360, 655200, -480480, 305760, 18876, 45864,
343980, -425880, 345800, -1233960, -808080, -771680,
-338520, 1157520, -2184000, 572, -8008, 45864, -20384,
-14196, -93912, 9984, 58240, -628992, -23296, -305760,
401856, -218400, -675584, -26208, -11648, 122304,
-489216, 1327872, -1316224, 1624896, 318864, -78624,
-40768, -209664, 926016, -11648, 1327872, -1991808, 0,
2288, -23920, -74256, -211120, -174720, 69888, -14560,
87360, 713440, -640640, 1863680, -174720, -72800,
218400, -1921920, -1106560, 960960, -174720, 250432,
3144960, 1450176, 1793792, 2271360, 203840, -873600,
-2213120, -8736, -62400, 266240, 861120, 717600, 48256,
49920, 757120, 1664000, -3169920, 49920, -1672320,
3444480, 6988800, 6514560, -59904, -5241600, -4832256,
-2021760, -4293120, -599040, 48256, 442624, 1048320, 0,
0, 1863680, -2970240, 990080, -2096640, 3843840,
1747200, -4158336, -2306304, 349440, 1198080, -116480,
-1164800, -3494400, -1921920, 0, -5474560, 116480,
5066880, -4193280, 7687680, 3494400, 0, 0, 1921920,
-1921920, 7338240, -7338240, 0, 174720, 174720, 0,
-5591040, -10483200, 1223040, 3843840, 2795520,
2016000, 4032000, 0, 0], [1, 3, -9, 57, 3483, -1863,
11205, 9315, -62, -228, -6102, -5544, -42930, -98820,
-63450, 1480, 4608, 60912, 144000, 210600, -19936,
-20640, -249120, 28320, 241280, -464640, 176000, 18,
2682, 9180, -40500, 117450, 42930, -324, 51408,
-297000, -213840, -280260, 76896, -319680, 185760,
541440, 357120, -23436, -19764, 377460, 17820, 11880,
187920, -741960, -1118880, -61560, 68040, -317520, 360,
-4104, -33264, 55728, -84888, 175608, 12096, 95040,
810432, 575424, -77760, 214272, -1449792, -1419264,
-12096, -352512, -933120, 440640, -815616, 3773952,

-400896, -147744, 303264, 31104, -134784, -870912,
-342144, -922752, 1306368, 311040, 456, 19008, 71280,
-164160, -255960, -98784, -807840, -116640, 1136160,
-1180800, 3404160, -84480, 230688, 1840320, -220320,
1918080, -51840, 453600, 57024, -787968, -1114560,
497664, -4624128, 380160, -777600, -3335040, -18576,
-91584, 531360, 596160, 200880, -48384, 1002240,
-2903040, -1157760, 846720, -103680, -2332800, 1866240,
-2695680, 1632960, 642816, 186624, 5266944, -2229120,
-1192320, 4976640, 58320, -27216, -2222640, -602640,
842400, -233280, 2164320, 4406400, -427680, -1671840,
3343680, 2177280, 3856896, -1710720, -9953280, 64512,
535680, 1814400, -1900800, 1232640, -5978880, -1670400,
259200, -2436480, -4396032, 12476160, -259200, -673920,
3421440, -362880, -1192320, 622080, -1555200, -466560,
1555200, -155520, -1244160, 311040, -725760, 2177280,
-1451520, 0, 0, 0, 0], [1, -1, -65, -299, 2379, -11011,
2093, -11193, -26, 468, -2002, 16744, 8554, 63700,
58786, 104, -4576, 4368, -78624, -64792, 0, 0, 174720,
-151424, -81536, 81536, -46592, -78, 2418, 7228,
-36036, 46410, -49686, -4732, 4368, -125944, -39312,
132132, 32032, 122304, 445536, -34944, -34944, -7020,
16380, 258804, 29484, 35672, -283920, -67704, -614432,
-67704, 220584, -292656, 104, -8008, -39312, 149968,
-102648, -133224, 19968, -46592, -209664, -442624,
-34944, -698880, 1013376, 372736, 8736, -247520,
-585312, -200928, -489216, -163072, 838656, -113568,
-864864, 116480, 1048320, 1397760, 1980160, -349440,
2096640, -2096640, 1352, 10400, -48048, -66976, 264264,
0, 46592, 663936, -780416, 372736, -1490944, 139776,
32032, 611520, -113568, 1199744, -1083264, 375648,
-500864, -2096640, 454272, -3168256, -1397760, 291200,
594048, 2469376, -11856, -12480, 292448, -516672,
-156624, -126464, 1018368, -186368, 435968, -429312,
92352, -713856, 67392, 1397760, 1654848, -379392,
-419328, -2116608, -1647360, 2386176, 718848, 50128,
298480, -746928, 746928, 270816, -1228864, 463008,
11648, -323232, 410592, 471744, -1223040, -1153152,

4018560, -2066688, -116480, -605696, 1956864, 1327872,
-978432, 3401216, -792064, 768768, 2725632, -2795520,
-4892160, -69888, -1188096, -3214848, -2166528, 349440,
-4193280, 10483200, 489216, 2376192, -1886976, 1118208,
-2096640, 908544, -768768, -139776, 1806336, -1806336,
0, 0], [1, -7, -119, -203, 5943, -10633, 16415, 8715,
28, 1092, -3892, 9016, -6860, -77420, -65660, -700,
3248, -50568, -82320, 48020, 28224, -94080, 94080,
266560, -15680, 203840, -62720, -252, 1512, -12320,
-99960, 85260, -11760, -10444, 21168, 421400, 505680,
-49980, -161504, 517440, -1552320, -329280, -329280,
27804, 104076, -661500, -520380, 121520, -1211280,
1187760, 2206960, 82320, -188160, 1046640, 140, -1204,
24696, 117208, -159348, 212268, 5376, -62720, -338688,
702464, 47040, 1260672, -1119552, 50176, -42336,
-29792, 1646400, 611520, -301056, 1417472, -1241856,
101136, 2180304, 43904, -451584, -2013312, -326144,
-413952, -1919232, 1693440, 1316, -3472, 5880, 121520,
55860, 65856, 156800, -94080, 78400, 972160, -1160320,
188160, -217952, -235200, 799680, -78400, 235200,
1140720, -128576, -1185408, -1646400, -4189696,
-2784768, -78400, 517440, 1818880, -7296, -21504,
318080, -322560, -107520, -164864, -860160, -89600,
-2275840, 1962240, 147840, -134400, -2378880, -4462080,
-7499520, 1483776, 2548224, 6203904, 241920, 2204160,
2131200, 44800, 200704, -1128960, 0, 564480, -2007040,
-188160, 62720, 0, 2634240, -3010560, -940800, 1806336,
3010560, -1048320, -213248, -1568000, 376320, -1317120,
-2257920, 3637760, 439040, 1317120, -5644800, 7300608,
-2069760, 564480, 4515840, 1317120, 6585600, -2257920,
-2257920, -8467200, -188160, -188160, 5080320, 2634240,
19756800, -1317120, -7526400, -4704000, -2822400,
-564480, -6531840, 0], [1, -15, -135, 765, 12375,
-46305, 39375, -42525, 100, 1140, -16380, 2520, -69300,
-56700, 182700, 580, 33840, -209160, 630000, 724500,
82880, -537600, 1612800, -1512000, 1131200, -2788800,
492800, -540, 360, -33120, 189000, 283500, 75600,
-21420, 45360, 1272600, -3553200, -510300, -614880,

302400, -504000, -3124800, 4132800, 81180, -381780,
-1568700, 2816100, 579600, 4158000, -1436400, -176400,
-226800, 0, -3402000, 972, 21420, 32760, -219240,
132300, -412020, -23040, 645120, -2257920, -241920,
745920, -3104640, 3245760, 2257920, -131040, 30240,
2358720, -2116800, 2257920, -5564160, -1854720,
1224720, -6214320, -508032, -967680, 1814400, -4354560,
1693440, -5080320, 2467584, -1980, -43920, -309960,
327600, -585900, 20160, -806400, 1209600, 504000,
-2217600, 3427200, -1209600, 393120, -2116800,
-3931200, -6350400, 2116800, -7635600, 1874880,
12942720, 4052160, 19837440, 25159680, 100800,
-6955200, -7660800, -1440, 74880, 734400, -432000,
367200, -230400, 921600, -2419200, 115200, -633600,
-86400, 5702400, 6998400, 16934400, 19440000, -2626560,
-13063680, -14169600, -2937600, -3801600, -1555200,
34560, 0, -2419200, 0, 1209600, 0, 6048000, 10886400,
0, -7257600, 0, -725760, 0, 0, -7776000, -241920,
-1209600, 7257600, 3628800, -4838400, 12096000,
-10886400, -3628800, 7257600, 1451520, -10886400,
1209600, 9676800, -3628800, 20563200, -24192000,
14515200, -18144000, -3628800, -32659200, -18144000,
-65318400, -54432000, 3628800, 29030400, 54432000,
3628800, 18144000, 10886400, 29030400], [1, 6, 75, 450,
27, -8694, -29295, -17010, -110, -666, 504, 34020,
122850, -32130, 26460, 1840, -7488, -68544, 241920,
-408240, 6272, -16800, 772800, 312480, 116480, 483840,
-152320, 6, -4260, -45468, -101304, 194670, 56700,
11592, 14616, -869400, -98280, -665280, 80640, -887040,
-1028160, -833280, 2251200, 41364, 657720, 850500,
22680, 264600, 3424680, -3129840, 1149120, -1065960,
3129840, 4536000, 2316, 22680, 52920, -120960, 591948,
358344, -47232, 0, -1620864, 483840, -262080, -2322432,
-2310336, -3182592, -244944, 181440, 898128, 1469664,
580608, 3193344, -4717440, -5415984, -8981280, 145152,
290304, -2177280, 5951232, 6241536, 7838208, -6096384,
-4080, 33696, 247968, -756000, 317520, -38304, 1512000,
-574560, 3386880, 806400, -2419200, -188160, -810432,

-3931200, -4173120, -786240, 6289920, -4173120,
1209600, 5007744, -5298048, -3096576, 11757312,
-725760, 5806080, -1451520, -27648, -128736, 583200,
-1853280, -1386720, 221184, 3663360, 4354560, 1486080,
-3697920, -388800, -5365440, 8087040, -8709120,
-4510080, -2529792, -1741824, 4893696, 1658880,
-7672320, 4976640, 31536, -743904, 1678320, -90720,
-1058400, -2086560, -1270080, 9918720, 5896800,
-4898880, -9434880, -7511616, 7185024, -725760,
3110400, 270144, -1209600, 1391040, -1088640, -2741760,
-2903040, 4999680, 10039680, 4596480, -8515584,
-4838400, 435456, 0, 2177280, -4354560, -4354560,
4354560, 1741824, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0],
[1, 3, 27, -51, -2781, -8991, 27945, 10935, -86, -84,
4698, 26424, -69930, 63180, -46170, 424, -13536, 1296,
-145440, -14040, 6272, 26880, 34560, -36480, 112640,
-487680, 85760, -18, -2970, -13932, 88452, -85050,
-36450, 6372, -66096, -74520, 486000, 267300, 61344,
-544320, 349920, -351360, -432000, 27540, 172044,
-212220, 296460, 210600, -19440, 644760, -116640,
-171720, 476280, 628560, 1800, 9720, 3888, 286416,
-390744, -138024, -13824, -20736, 974592, -290304,
-255744, 2509056, 393984, 1087488, -142560, -557280,
-567648, -1531872, -559872, 20736, 2716416, -1360800,
-3335904, 72576, -1824768, 155520, -1347840, -3836160,
5660928, 373248, -3288, -864, -289008, -220320,
-515160, 23040, 535680, -881280, -207360, 149760,
-449280, 307200, -80352, 1010880, -1671840, 3058560,
-3888000, 1438560, 1410048, 3297024, 7216128, -6635520,
-1306368, -2592000, 1244160, 3836160, -14256, 67392,
-298080, 699840, 1302480, 103680, -414720, -1140480,
-1555200, 1762560, -233280, 1710720, 1477440, -1866240,
-544320, 953856, -2115072, 2903040, -933120, -8398080,
2488320, 24624, 110160, 434160, 1924560, -635040,
-4795200, -920160, -155520, 1386720, -1827360,
-3291840, 1524096, 1710720, 2954880, 1555200, 47232,
224640, -466560, -2160000, 1128960, 4492800, -5230080,
-1658880, 9331200, -4810752, -898560, -155520, 622080,

-155520, 2177280, 4665600, -5287680, -1866240, -622080,
-1244160, -4354560, 4976640, 1244160, 0, 0, 0, 0, 0, 0,
0], [1, 0, 15, 150, 135, 2700, -8775, -4050, -80, -240,
-720, -3960, 27000, 5400, 27000, 1240, 2340, -28980,
-33300, -40500, -2800, -55800, -160800, 71400, 29600,
-159600, 48800, 120, -240, -6480, -23760, 5400, 0,
2880, 37440, 162000, 43200, 10800, 55440, 619200,
-291600, 225600, -408000, -4320, -12960, -162000,
-162000, -399600, -550800, 259200, -237600, 388800, 0,
-1555200, 1032, 5400, 27000, -102600, 51840, -32400,
-19080, 5400, -238680, -78840, -77040, 941760, 503280,
393600, -47520, 84240, 622080, 239760, -708480,
-2125440, 639360, 155520, 855360, -22032, -32400,
77760, 1114560, -531360, 1166400, -590976, -3900,
-10260, 78300, 180900, 226800, -68760, -108000, 448200,
-529200, -68400, 1134000, -31200, 185760, -928800,
388800, 864000, 2808000, -129600, 669600, -440640,
-1231200, -3637440, -3058560, -1004400, -1425600,
-907200, -7560, -29160, -81000, -307800, -291600,
196560, -648000, 1393200, -1987200, -129600, 64800,
777600, -972000, 2851200, 3888000, -246240, 272160,
440640, 2980800, 1166400, -2721600, 54000, -110160,
162000, -356400, 151200, -1425600, -842400, -302400,
777600, 2332800, 1555200, -2332800, 1632960, 2592000,
-3888000, 44640, 194400, -561600, 1123200, 943200,
-540000, -504000, -2160000, -3844800, 2108160, 3196800,
-265680, 1004400, -777600, 1101600, -907200, -3110400,
2954880, -583200, 583200, 1166400, 1166400, -2332800,
0, 0, 0, 0, 0, 0, 0], [1, -4, -29, -170, -1185, 3560,
2045, 3270, -44, 420, 3200, -1520, -16100, -12980,
-18800, -640, -7180, 3900, 8700, 53300, 0, -4200,
274800, -69800, -29600, 74000, -29600, 24, -240, 4240,
26880, -37800, 4080, 800, -27120, 110000, -85200,
-3600, 61120, -218400, -194400, 105600, 408000, 240,
-64080, -90000, 68400, -107200, 170400, -60000, 59200,
158400, -571200, 28800, 680, -3832, -8712, -37880,
29760, 37200, 12888, 11800, -271800, 218120, 19440,
-923520, -351600, -684800, -19248, 157840, -79440,

46320, 129600, 1200320, -1307520, -47040, 1702080,
-35728, 405936, 234816, 825856, 965280, -878976,
-505728, -2140, -14500, -81780, 96500, -112800, -13080,
161600, 40200, 218800, 14800, -1080400, 88800, 193600,
-40800, 760800, 137600, -1233600, 931200, 252640,
144000, -988320, 1148480, -1680000, -948400, -456000,
702400, 360, 111240, 57800, 228600, 66000, 5680,
163200, -1295600, 382400, 398400, -324000, 830400,
-468000, -1584000, -1411200, -1400160, -2060640,
1149120, 2131200, 3019200, 936000, 21040, -9680,
262800, -313200, -420000, 1040000, 1149600, 2393600,
153600, -1420800, 2803200, -114240, -1494720, -2179200,
-1872000, -83360, -332000, -715200, -412800, 722400,
2583200, 363200, -1329600, -1454400, 1167360, -508800,
-56400, -394320, 818880, -2308320, -2356800, 1768320,
2528640, 429600, -736800, 907200, -2932800, 2332800,
1344000, 1344000, -2688000, 0, 0, 0, 0], [1, -10, -65,
-110, 1155, 16610, -24475, -8250, 10, 990, 1760,
-31460, -2750, -45650, 58300, -2200, 1760, 66000,
-79200, 261800, -7920, 118800, -250800, -162800,
-17600, -140800, 35200, -150, -660, 1540, -71280,
127050, 56100, -880, -21120, 110000, -39600, -250800,
-28160, -844800, 316800, -132000, -290400, 17820,
114840, 9900, -178200, 275000, 798600, 224400, -149600,
-349800, 620400, 1320000, 572, -4840, 43560, -139040,
110220, -56760, 21120, -91520, 570240, -394240, 26400,
1256640, 501600, 1112320, -89760, -7040, -781440,
401280, 84480, 91520, 2122560, -852720, -2708640,
26048, 0, 559680, -2161280, -2238720, 2597760, 405504,
-880, -22000, 81840, 189200, 290400, 31680, -272800,
528000, -677600, -281600, 809600, -105600, -44000,
-343200, 264000, 598400, -369600, -105600, 489280,
-1267200, -1151040, -1281280, 105600, -299200,
-1161600, 352000, 5280, 105600, 228800, 0, -607200,
14080, 0, -1760000, 1548800, 528000, -528000, 844800,
0, -1056000, -2217600, -1351680, -633600, -1351680,
1584000, 4646400, 0, -7040, -366080, -1267200,
-1900800, -422400, -1408000, 2640000, -4681600,

1689600, -2745600, -6969600, 6483840, 7476480, 1478400,
0, -70400, 140800, 422400, 3273600, 1689600, -352000,
-1619200, -105600, 5068800, -5491200, -2956800, 337920,
1689600, 4329600, -2640000, -1056000, -633600,
-2027520, -67200, -67200, -5875200, 8832000, 5644800,
-1161600, 1056000, 6758400, -4435200, -8870400, 0, 0],
[1, -5, 15, 505, 1835, 7665, 25725, 16275, -70, -500,
-6030, -27720, -71050, 14700, -5250, 2600, 27520,
92400, 67200, 345800, -19040, -16800, -285600, -162400,
134400, 1008000, -201600, 330, 2530, -4020, -47460,
-297150, -166950, -6660, 6160, 231000, -445200, 594300,
-90720, -123200, -756000, -1478400, 1344000, -15660,
58380, 808500, -44100, -12600, 1218000, -1281000,
1058400, -331800, 340200, 2007600, -248, -360, 68880,
233520, -335160, -320040, -25280, -262080, 530880,
-1270080, -392000, -645120, 705600, -1935360, 62720,
-463680, 1955520, 1061760, 1487360, -322560, -743680,
-836640, -1219680, 43008, -1061760, -443520, 1545600,
900480, -1612800, 209664, -3160, -14400, 52080, 772800,
256200, -41440, -487200, -16800, -2805600, 963200,
-2352000, 0, 252000, -1713600, 1764000, -604800,
739200, -2368800, 490560, 403200, 2761920, 2365440,
4300800, -739200, -1612800, 1814400, 2160, -40000,
-703200, 1396800, 951600, 591360, -505600, 2899200,
3619200, -5430400, -652800, -5385600, -3801600, 76800,
-3412800, 695040, 3974400, 560640, 2563200, 2601600,
-4608000, 61520, -62160, -2209200, 159600, 644000,
2385600, 5762400, 2844800, 1327200, -1360800, -8030400,
-4273920, -8547840, 2083200, 9216000, -67200, 1612800,
-2822400, -1008000, -3360000, -403200, 3628800,
4233600, 7459200, 1612800, -10886400, -564480, 3561600,
-2217600, -5040000, 873600, 4435200, -1048320, -470400,
2822400, -1411200, -3763200, 2822400, 0, 0, 0, 0, 0, 0,
0], [1, -8, -9, 310, -169, -3612, -4767, -4578, -40,
-8, -1680, 1848, 14336, -4704, 4200, 776, 6148, -6804,
11340, -79492, -3920, 17640, -98112, 81032, 70560,
25872, -7392, 216, 1648, -3888, 19824, 92568, 42336,
-3360, -8960, -114576, 118272, -130704, 7728, -62720,

316176, -533568, -63168, -12480, -5376, -199248,
-11088, -25872, 97104, 643776, 285600, 41664, -314496,
462336, -344, -6216, 1848, -18984, 58464, 65520, 4792,
-20328, 165480, 184968, -194096, 364224, -301392,
266112, 66752, 184464, -651168, -386736, 1003520,
-1016064, 957824, 596736, -4032, -28560, -181776,
-116928, -901824, 313824, -2108736, 1008000, -1084,
6732, 23100, -316092, -70896, -51352, 214368, -442680,
493584, 138320, -121296, 22176, 122976, 493920,
-362880, -274176, -2296896, -278208, -273504, 358848,
675360, 297024, 2873472, -328944, 1205568, 979776,
1752, 44024, -48648, -307512, -213072, 201360, -352960,
87024, 857088, -77632, -617952, 759168, 545184, 400512,
-1655424, 27168, 1336608, -1894848, 945216, -1101504,
-1986624, 28400, -175056, 645456, 177744, -33376,
345408, -1616160, -957376, -384384, 1911168, -2284800,
225792, -673344, -2247168, 5037696, -105504, 82656,
1326528, 443520, -1011360, -203616, -713664, -1451520,
383040, 3790080, -2540160, -67536, -687120, -354816,
368928, 3764544, 2016000, -5040000, 757344, -1768032,
-504000, 506688, 1008000, 870912, -2612736, 1741824, 0,
0, 0, 0], [1, -13, -29, 325, -429, -3487, 8273, 3567,
10, 492, -310, 6328, 6166, 16396, -11690, -1144, -4192,
-25584, 19680, -41272, 0, 30720, 41088, -19328, -56960,
-216448, 45568, 6, 318, -8828, 6324, -80802, -42954,
980, 21840, -26296, -98448, 123156, 49888, -127680,
16416, 458112, -163968, -1740, 15084, 264132, 67212,
-165592, 341904, -798504, -290720, -26856, 294744,
-119664, -184, -6856, 1008, 42256, -65496, -24360,
18432, -55808, -11520, -55552, 77184, 6144, 248448,
428032, 7392, 57184, 318432, 217824, 195840, 2816,
-239616, -13344, -374112, 24320, 94464, -81408,
-660224, -381696, -723456, 576000, 776, 19232, 68880,
62048, 33864, -37632, 347648, -140160, 49024, -227840,
1048064, -136704, -101024, -960960, -94560, -989056,
3022464, -1269408, -393344, -1262592, -370560, 364544,
1661952, 822656, 1100928, -1923584, -1008, 33984,
-266848, 237888, 223248, -28160, -453120, 707584,

-600832, 331008, 255168, -446592, 258624, 156672,
1780416, 158208, 1340928, 156672, 1564416, -3811584,
-1419264, 3760, -242096, 45936, 314064, -308256,
402368, -250080, -1250176, 616416, -1285152, 75840,
1802112, 590976, -1757568, 1241856, -84224, 257536,
-540672, -1155840, 1052160, -2438656, 283136, 26880,
-495360, -215040, 3310080, 355584, 672000, -1076736,
891648, -2063616, 4101120, -2880000, 33024, 1463808,
1969920, 1855488, -5322240, -2035968, 424704, 1611264,
-2764800, 2764800, 0, 0], [1, -20, -15, 850, 1055,
-5160, -225, -4350, 80, 520, -6960, -14280, 3800,
-13200, 12600, -1480, 15520, 17760, 76800, 9800,
-14000, 74400, -339600, 75200, -148800, 624000, -96000,
-330, -620, -8940, 37320, 89550, 40500, 840, 64120,
5400, -29400, -96000, -41280, -123200, 400800, 712800,
-67200, 20940, -83280, -411900, 34200, 92400, -200400,
772800, -631200, 165000, -147600, -1128000, 712, 3840,
48720, 15600, 20520, -5040, -1280, -202080, 317760,
-191520, 167680, -304320, -365760, -1670400, -113680,
4320, -16560, -455520, -1018240, -313920, -910720,
-210240, -97920, 112128, -491520, -535680, 1372800,
1263360, 2453760, -1391616, -400, -8880, 16800,
-344400, -121200, 20720, -134400, -783600, 26400,
32000, -1401600, 288000, -40320, 1293600, -460800,
784800, -3134400, 1512000, 302400, 1442880, 2908800,
3022080, -1466880, -744000, 1353600, 1036800, -1680,
-10480, -375600, -126000, -26400, -25920, -793600,
1387200, 153600, -966400, 578400, 770400, 129600,
105600, 2534400, 545280, 1889280, 952320, -806400,
-2688000, -1612800, 3200, -142080, 768000, 499200,
32000, 4416000, -912000, 2384000, -998400, 288000,
7622400, -2563200, -5771520, -5625600, 0, -26880,
1094400, 1324800, 604800, 1536000, -3168000, 2419200,
-604800, 1843200, -7096320, 2073600, 414720, -1075200,
-1353600, -6019200, 5280000, -4204800, 6958080,
-1910400, -5904000, -2707200, 38400, -6451200, 1353600,
1209600, -12441600, 6912000, 4377600, 11289600, 0], [1,
-29, 75, 1885, -1933, -40719, 43785, 13335, 170, -596,

-21126, 26040, 197750, 125580, -95130, 2120, 54112,
-160944, 406560, -1038520, -4928, 168000, -1162560,
714560, 268800, -107520, 53760, -834, 1270, 26772,
304836, -594090, -228690, -19068, -22064, -667800,
-1412880, 1065540, -379680, 239680, 3470880, -2136960,
-1276800, 63204, -581700, 1383060, 681660, 1667400,
89040, -2924040, 964320, -891240, -1569960, 4477200,
3016, 19320, -102480, -636720, 74088, 171864, -2432,
551040, -1674624, 2862720, 259840, 1655808, -1241856,
3161088, -237664, 876960, 933408, 145824, -2044672,
-1725696, 4981760, -1731744, 6239520, -150528, 2494464,
967680, -365568, -1204224, 5419008, -2386944, -9400,
-93984, -82992, 1092000, 363720, 7616, -1041600,
3702720, -530880, -1684480, 3333120, -645120, 872928,
-611520, 1643040, 4798080, 4045440, 6017760, 1451520,
-5515776, -9128448, -9440256, -22783488, -2204160,
-7096320, -1451520, 21072, 273344, 650400, -331200,
96720, 59904, 3215360, -591360, 6351360, -1968640,
-1732800, -1756800, -4069440, -5268480, -17916480,
-6131712, -9805824, -6180864, 5690880, 18670080,
3363840, -30064, -533904, -314160, 1140720, -162400,
-3057600, -5124000, -14170240, 258720, -4364640,
-20086080, 10168704, 15410304, 6867840, 13996800,
21504, 1612800, -645120, -4838400, 430080, -16128000,
967680, 4838400, -645120, -129024, 14515200, 193536,
-6881280, -13224960, -9354240, 17203200, -10321920,
22385664, -2688000, 7418880, 28707840, 35911680,
54512640, 13224960, 42577920, 8709120, -18385920,
-60318720, -23546880, -52254720], [1, -14, 51, 730,
-3205, 12390, 6825, 11550, -34, -590, -3240, -13860,
-83650, -108150, -90300, 2960, 28960, 117600, 319200,
333200, -19040, -268800, -285600, -616000, -268800, 0,
0, 474, 2260, -7620, 54600, -70350, -6300, -18360,
-167720, -96600, -256200, 84000, -100800, 1086400,
1713600, 1041600, -1680000, 24660, 357000, 128100,
163800, 541800, -2675400, -714000, 100800, -331800,
1587600, -1848000, -1940, -5832, 112728, 6720, 394380,
360360, -512, 80640, -860160, -483840, 192640,

-2540160, 1612800, 2903040, -18928, -1431360, 367920,
-117600, 277760, 645120, -985600, -2061360, -1764000,
91392, 1188096, -1096704, 1860096, 537600, 5935104,
-2838528, 2960, -1440, -386400, 16800, -462000, 99680,
268800, 1495200, 2184000, 2374400, -537600, 0, 100800,
100800, -1713600, -5745600, 4368000, 2923200, -658560,
2701440, -3225600, -6343680, -2956800, -134400,
-1612800, 0, 2880, 59360, 290400, -180000, -636000,
153600, -1024000, -5222400, -2572800, 5888000,
-1214400, 4852800, 864000, 2841600, 4752000, 1835520,
2211840, -3379200, -1497600, -768000, -460800, 9680,
-319200, 512400, 386400, -565600, 6770400, -2856000,
-8646400, 1327200, -6350400, 7392000, -5906880,
3427200, 11155200, -6336000, -127680, 1612800,
-1915200, -1008000, -4569600, 3225600, 0, 7862400,
2016000, -7096320, 0, -80640, -1881600, 6854400,
6451200, -11827200, -13708800, 14192640, 1344000,
-8064000, 4032000, 10752000, -8064000, 0, 0, 0, 0, 0,
0, 0], [1, -18, 51, 690, -5589, 7938, -15687, -7938,
10, -258, 360, 19908, 21546, 78246, 71820, 736, -4032,
-58464, -161280, -145152, 12320, 0, 120288, 299712,
62720, 172032, -28672, 246, 588, -13068, 40824, 19278,
38556, -4680, -32760, 10584, -58968, -199584, -44352,
524160, -774144, -211008, 373632, 8100, 131544,
-319788, 77112, 149688, -730296, 27216, 725760, 40824,
-27216, -108864, -1524, -6696, 58968, -290304, -151956,
-294840, 12672, 266112, 362880, 217728, 8064, 411264,
-870912, -1333248, -21168, -616896, 734832, 199584,
-483840, 3338496, -1645056, -1061424, 1034208, 0,
290304, 870912, -1741824, -1161216, 1741824, 0, 5136,
32832, -181440, 338688, 154224, -14112, -387072,
272160, -1100736, -403200, -677376, 86016, 72576,
725760, -181440, 108864, -72576, 2140992, -653184,
-508032, 1451520, 4644864, -4935168, 1645056, -870912,
-774144, -10368, -25056, 469152, 230688, 593568,
-103680, -276480, 1638144, -663552, -1354752, -482112,
762048, 497664, -2861568, -1897344, 2446848, -8957952,
5640192, -5059584, 1575936, 6967296, 15120, -344736,

27216, -707616, 260064, -2050272, 2721600, 4161024,
707616, -2503872, 2177280, 1415232, 1524096, -1306368,
-6096384, -68544, 1161216, -1899072, 604800, 161280,
-2128896, 1806336, 1572480, -3144960, -1935360,
3870720, 290304, -2177280, -435456, 4935168, 1741824,
-4354560, 0, 290304, 3483648, -4354560, -8128512,
8709120, -3483648, 10450944, -6967296, 0, 0, 0, 0], [1,
-24, 81, 930, -7425, 17820, -945, 10530, 76, -300,
-1080, 23400, -62100, -50220, -75600, -440, -14400,
-10800, 14400, 59400, 12320, 9600, 280800, -120000,
147200, -384000, 51200, -126, -540, -9180, -6480,
-125550, -46980, 6480, 103680, 151200, 583200, 356400,
-4320, -518400, -496800, -705600, 604800, -7020,
-123120, 89100, -307800, -248400, 939600, 907200,
-410400, 145800, -291600, 388800, -360, -432, 64368,
-38880, 307800, 317520, -6912, -198720, -328320,
129600, 51840, 86400, 345600, 506880, -19008, 181440,
-544320, -414720, 69120, -3991680, 2142720, 349920,
-1010880, 93312, -82944, -964224, 1057536, 1451520,
1430784, -995328, 4560, 25920, -155520, 432000, -32400,
1440, -259200, -842400, -43200, -748800, 1036800,
-153600, 0, 0, 1684800, 2980800, -3888000, -907200,
-466560, 1918080, -1658880, -829440, 1036800, 1728000,
-3110400, 1382400, -21600, -133920, -64800, -842400,
-907200, -190080, 2419200, -1296000, 1728000, -691200,
648000, -1944000, -2332800, 3628800, 0, 1036800,
5598720, -6635520, -8294400, 8294400, 0, 58320, 233280,
356400, -194400, 907200, -3499200, -1036800, 259200,
-583200, 4276800, -4665600, -4821120, 933120, 7776000,
0, -115200, 691200, 0, 1209600, -806400, 7603200,
-3225600, -2592000, 6220800, -2073600, -6912000,
414720, -3214080, 2488320, -3214080, 1036800, -2488320,
4976640, -1555200, 4665600, 3110400, -6220800, 0, 0,
-12441600, 12441600, 12441600, -12441600, 0, 0], [1,
-32, 177, 1474, -12001, 28644, -31185, -11550, 164,
-1364, -8712, 42504, -103180, 60060, 110880, 2024,
2464, 114576, 36960, 335720, -4928, -147840, -73920,
-394240, -147840, 0, 0, -678, 1540, 27588, -29568,

256410, 152460, -3168, 94864, -794640, -535920,
-979440, -22176, 320320, 110880, 739200, -591360,
-1980, -373296, 392700, 249480, 166320, 794640,
-1404480, -110880, -120120, -942480, 1256640, 2200,
7920, -25872, -14784, -227304, -476784, -21824,
-576576, 1079232, -1641024, -137984, -532224, 1419264,
1064448, 12320, 2217600, -288288, 1434048, -68992,
3459456, -630784, 1884960, 3681216, 59136, -2247168,
2661120, 2956800, -2365440, -9580032, 2838528, -4048,
-46464, -140448, -591360, -425040, 123200, 1034880,
1848000, 2069760, 1971200, -295680, 0, -44352,
-1034880, -2882880, -3104640, 8279040, -1552320,
177408, 2306304, -709632, -13601280, 1892352, -1921920,
887040, 0, -6336, 30272, 623040, 1615680, 1541760,
-359040, 323840, -654720, -3125760, 1971200, 274560,
-3104640, 4561920, -3759360, -4308480, -574464,
-8312832, 6758400, 3294720, -10982400, 7096320, 82544,
517440, 351120, 36960, 1601600, -4952640, 591360,
-2316160, -2402400, 5100480, -5026560, -5410944,
-2661120, 14488320, 0, -325248, -1774080, -4878720,
-2661120, -6504960, 1774080, 0, 2661120, -19514880,
31223808, 0, 887040, -591360, 4435200, 8870400,
-11827200, 12418560, -14192640, -3171840, 9838080,
-6128640, 15590400, 10967040, 11531520, -5322240, 0,
-10644480, 35481600, -49674240, 0], [1, -42, 387, 1794,
-27621, 57834, -21735, 28350, 274, -4314, -12312,
208404, -164430, 73710, -185220, 11584, -17856,
-139104, -685440, -816480, 96992, -618240, 715680,
1296960, 210560, 940800, -179200, -1458, 12060, 113508,
-467208, -266490, -351540, -69768, -65016, -1126440,
3424680, 2086560, -737856, 5685120, -241920, -302400,
-927360, 75060, -49896, 4025700, -1791720, 2169720,
-12632760, 2131920, 2056320, -2245320, 8028720,
-7076160, 7020, -11880, -545832, 616896, 83916, 866376,
158976, 411264, 3532032, 3701376, 1040256, -895104,
-6483456, -5225472, -166320, 1270080, -11240208,
-3138912, -4257792, 6241536, -5128704, 6667920,
-18343584, -290304, -580608, -2177280, -7983360,

1451520, -870912, 3483648, -28848, -100224, 1415232,
786240, 1859760, -292320, 967680, -4989600, -8043840,
-403200, -10644480, 2150400, 217728, -9434880, 7801920,
-181440, -13426560, -13245120, 2395008, -798336,
6386688, 31933440, 41513472, -4475520, 6531840,
4838400, 91584, 719712, -1308960, -2034720, -3875040,
449280, -5736960, -9227520, -8674560, 7948800, -959040,
20295360, -3732480, 6013440, 32814720, -9206784,
13436928, 9953280, 31000320, 13478400, -22394880,
-182736, -2268000, -3764880, -5171040, -453600,
1179360, 16148160, 24675840, 2268000, -22317120,
35562240, 32550336, 14152320, -45722880, -46656000,
4032, 2661120, 8527680, 12458880, -5160960, 29998080,
-3225600, 3265920, 48625920, -48771072, -48384000,
1451520, 2903040, 10886400, 39916800, -7257600,
4354560, -52254720, -6531840, 2177280, -17418240,
-87091200, -113218560, 26853120, -39191040, -29030400,
-100154880, -43545600, 156764160, 174182400], [1, -54,
771, 330, -60885, 270270, -218295, -62370, 406, -10230,
19800, 595980, -1975050, -270270, 623700, 32560,
-269280, -554400, -554400, 7484400, 677600, -4435200,
16816800, -9240000, 5667200, -16262400, 1971200, -2526,
40260, 184140, -3076920, 4469850, 1621620, -257400,
526680, 7900200, 7068600, -11642400, -5100480,
25502400, -63201600, -35112000, 30307200, 362340,
2245320, -14345100, -6237000, 7900200, -26195400,
27442800, 36590400, 1247400, -7484400, 9979200, 15180,
-135432, -1513512, 9313920, -2619540, -2744280,
1001088, 0, -6652800, -37255680, 16410240, -75841920,
53222400, 47308800, -1896048, -17962560, 25446960,
20956320, -39916800, 95800320, -15966720, -19459440,
38918880, 1596672, 20756736, 4790016, 36723456,
-15966720, 67060224, -38320128, -81840, 237600,
7650720, -18295200, -7484400, -3437280, 0, -31600800,
43243200, -48787200, 133056000, -23654400, 3326400,
43243200, 9979200, 76507200, -33264000, 69854400,
-1330560, -59875200, -15966720, -42577920, -239500800,
-6652800, 39916800, -53222400, 380160, 807840,

-26373600, 13543200, 13543200, 10644480, -19008000,
114048000, 112147200, -87436800, -1425600, -64152000,
-17107200, -45619200, -128304000, -13685760, 82114560,
-109486080, 74131200, -148262400, -136857600, -1449360,
-8981280, 57380400, 24948000, -31600800, 104781600,
-109771200, -146361600, -14968800, 89812800,
-119750400, 77837760, -155675520, -279417600,
513216000, 4213440, 39916800, -56548800, -46569600,
88704000, -212889600, 35481600, 86486400, -172972800,
-298045440, 532224000, -7983360, -103783680, -23950080,
-183617280, 79833600, -335301120, 574801920, 3628800,
163296000, 43545600, 116121600, 653184000, 39916800,
-239500800, 319334400, -239500800, 479001600,
958003200, -1916006400], [1, 0, 105, 210, -945, -26460,
-99225, 198450, -140, -420, 2520, 88200, 396900,
-926100, 0, 3640, -40320, -388080, 705600, 264600,
62720, 705600, 2352000, -1646400, -313600, 7526400,
8153600, 210, -7980, -71820, -211680, 1256850, -396900,
20160, 246960, -2646000, -5821200, 3704400, -352800,
-1411200, -20109600, -3763200, -30576000, 64260,
1587600, 5953500, 793800, 529200, 26989200, 19051200,
24343200, -8731800, -33339600, -31752000, 3192, 45360,
105840, -423360, 4286520, -2222640, -201600, 0,
-846720, 16934400, -282240, -20321280, 24554880,
-26718720, -635040, -5080320, -17146080, -11430720,
10160640, 35562240, 76204800, 13335840, 19051200,
2032128, 10160640, -30481920, 10160640, -71124480,
-30481920, 36578304, -15120, 30240, 423360, -5292000,
-4762800, 423360, 4233600, 14817600, -16934400, 0, 0,
-50803200, -1693440, -10584000, 44452800, -46569600,
16934400, 44452800, -3386880, 15240960, 35562240,
44029440, -91445760, 8467200, -50803200, 67737600,
-8640, -423360, 2721600, -907200, 7257600, -241920,
-2419200, -10886400, 26611200, 55641600, 5443200,
-16329600, -32659200, -87091200, 65318400, -18869760,
47900160, -63866880, 14515200, -29030400, 18662400,
105840, -1270080, 1587600, -3175200, -2116800,
-6350400, -25401600, 29635200, 15876000, 19051200,

-25401600, -22861440, 45722880, -25401600, 0, 282240,
0, 4233600, 8467200, -5644800, -16934400, 11289600,
8467200, -16934400, 6773760, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0], [1, -5, 75, -155,
-765, -6615, -1575, 14175, -110, 60, 1890, 29400,
53550, -94500, -22050, 2280, -25440, -146160, -16800,
340200, 35840, 291200, -336000, -44800, -179200,
-403200, -940800, 270, -4810, -18540, -26460, 166950,
-47250, 8820, 149520, -315000, -680400, 69300, -252000,
369600, 856800, 201600, 2128000, 16020, 283500, 850500,
-18900, -12600, 680400, 113400, -957600, -1398600,
-2608200, 378000, 1832, 22680, 25200, -65520, 68040,
-7560, -119040, 0, 1128960, -403200, 107520, -725760,
-1290240, 2652160, -211680, -2147040, -2993760, 272160,
2177280, -2661120, -6048000, 6259680, 4989600, 943488,
2419200, 1814400, -3628800, 4112640, -6531840, 290304,
-12440, -4320, 15120, -756000, -264600, 309120, 403200,
2419200, -604800, -672000, 2016000, 6809600, -211680,
504000, 3477600, -5443200, -7459200, 3477600, -2338560,
-2177280, -241920, 2580480, 2177280, 2822400, -4838400,
-7660800, 15120, -169920, 583200, 1425600, 205200,
-311040, -3686400, -3628800, 2246400, -4204800,
2462400, 2332800, -2462400, 7257600, -4795200,
-2833920, 1451520, 4285440, 518400, 10195200, -4147200,
56880, -45360, -982800, 75600, 50400, 907200, 4384800,
-8265600, -756000, 4082400, 11188800, 3265920,
-11975040, 604800, -2592000, -40320, 1008000, -604800,
-201600, 806400, 2419200, -5644800, -7257600, -1612800,
7096320, 4032000, -362880, 0, -1814400, 3628800,
3628800, -3628800, -1451520, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0], [1, -9, 51, -495, -1485, 1485, 54945, -49005,
-74, 660, 4950, 11880, -163350, -41580, 74250, -440,
-31680, 39600, 475200, -178200, 44000, -79200, -607200,
79200, 70400, 528000, 598400, 174, -4290, 5940, 100980,
-193050, 115830, 9900, -7920, -297000, 1306800,
-386100, -110880, -158400, 237600, -422400, -1056000,
5940, 17820, -445500, -980100, 415800, 356400, -891000,
1663200, -534600, 1603800, -1069200, 1320, 7128,

-52272, 166320, -748440, 178200, -44352, 285120,
475200, -665280, -221760, 1140480, 475200, -844800,
-114048, -855360, 855360, 1710720, 0, -6842880,
1140480, 2993760, 427680, 456192, -342144, 3079296,
-1482624, 1710720, -1368576, -684288, -9240, 0,
-308880, 0, 1960200, 205920, 237600, -5464800, 712800,
316800, -950400, -5491200, 237600, 5227200, 712800,
-950400, 10454400, -7840800, -1805760, 0, -8838720,
10644480, 0, -950400, 0, 950400, 23760, 95040, 712800,
1425600, -1782000, -760320, -1900800, 5702400, 950400,
950400, 0, -8553600, 0, 0, 4276800, 3421440, -3421440,
-6842880, 2851200, 2851200, 0, -23760, -71280,
-1069200, -4633200, 1188000, 7128000, -2138400,
-950400, -2138400, 6415200, -4276800, -3421440,
6842880, -2851200, 0, -63360, 0, 1900800, 2851200,
-633600, -1900800, 10771200, 950400, -10454400,
-1520640, -1900800, 0, -1710720, -1710720, -1710720,
-8553600, 10264320, 3421440, 777600, 1555200, 5443200,
-6220800, -1555200, 0, 0, 0, 0, 0, 0, 0], [1, -9, 87,
-75, 1755, 4725, -10395, -53865, -98, -60, -3690,
-12600, 47250, 366660, -66150, 3400, 7200, -25200,
-554400, -113400, -17920, 201600, 739200, 134400,
-179200, -134400, 761600, 426, -2310, -1620, -109620,
-330750, 561330, -6300, 156240, 793800, -1285200,
-661500, -231840, -504000, 1360800, 470400, -1545600,
-2700, -124740, 1077300, 737100, -189000, -2494800,
2154600, -756000, 340200, -1020600, 680400, 456, 15768,
57456, 75600, -929880, 657720, -94464, -483840, 483840,
-1209600, 806400, -1209600, -2419200, -430080, 66528,
-635040, 1905120, -1723680, 1209600, 7983360, 4112640,
-1360800, -2993760, 362880, 1161216, 4136832, -2757888,
3628800, -3919104, -870912, -10200, -21600, 196560,
1663200, -1474200, 282240, -1209600, 1209600, 4233600,
-403200, -3628800, -5913600, -151200, -3326400,
-9525600, 4233600, -6652800, 5896800, -1209600,
-3628800, -725760, 1935360, 3628800, 3628800, 14515200,
10886400, 28080, -233280, -1101600, 1684800, -1458000,
241920, 2073600, 518400, -172800, 8812800, 1425600,

5443200, 4276800, -7257600, -1944000, -2695680,
-18040320, -12856320, -6739200, -4665600, 12441600,
41040, 589680, -2948400, 2948400, -756000, 907200,
-5896800, 4233600, -1360800, 4082400, -2721600,
9797760, 3265920, -19958400, 7776000, -201600, 1814400,
-3024000, 604800, -806400, -2419200, 4032000, -2419200,
4838400, 9676800, -12096000, -362880, 1451520, 1088640,
-725760, -3628800, -2177280, 4354560, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0], [1, -12, 75, -330, 495, 0, -10395,
20790, -68, 396, 0, 0, 13860, -41580, 0, 880, -9900,
-13860, -13860, 13860, 12320, 46200, -18480, -101640,
-61600, 55440, 86240, 312, -2640, 7920, 0, 83160,
-166320, 0, 55440, 55440, 166320, 166320, -110880,
110880, 221760, 295680, 73920, -7920, -166320, -498960,
166320, 110880, -1330560, -997920, -887040, 665280,
1995840, 1330560, 264, 5544, -27720, -83160, 332640,
-166320, -37224, 38808, -194040, 249480, 166320,
-443520, 720720, -295680, 77616, 498960, 498960,
166320, -221760, 1995840, 443520, -1995840, -1995840,
33264, -99792, -1995840, 266112, -2195424, 1596672,
798336, -7260, 1980, 41580, -41580, 0, 138600, -443520,
249480, -498960, -166320, -277200, -850080, 0, 997920,
-332640, 1330560, 1995840, -2661120, -997920, -1330560,
1663200, -665280, 1330560, 1164240, 665280, 665280,
27720, -51480, 106920, -1152360, 689040, -245520,
506880, -1496880, -31680, -918720, -47520, 1425600,
712800, 1330560, -1710720, 1188000, 4989600, 1805760,
-3231360, -3896640, -1425600, -23760, 166320, 498960,
498960, 332640, 1330560, 997920, 1330560, -2661120,
-7983360, -5322240, 1995840, 1995840, 3991680, 2851200,
-110880, -332640, 665280, -1330560, -110880, -332640,
1552320, 3326400, 3326400, -5322240, -1330560, 166320,
-1164240, 1995840, -1663200, 665280, 3991680, -3991680,
635040, -635040, -1270080, -1270080, 2540160, 0, 0, 0,
0, 0, 0, 0], [1, -17, 75, -495, 1155, 5445, -4455,
-9405, -18, 836, 990, -14520, -45870, 61380, -990,
-2200, -10560, 102960, 179520, -120120, 22880, -220000,
-121440, 163680, 105600, 56320, -260480, 102, -2970,

13860, -1980, -62370, 127710, 9900, -39600, -170280,
-372240, -5940, -15840, 411840, -681120, -168960,
-253440, -9900, 17820, 314820, 112860, 114840, 641520,
1342440, 269280, -201960, -1199880, -879120, 264,
-2376, -39600, 39600, 59400, 35640, 6336, 209088,
-538560, 221760, -158400, 0, -348480, -168960, 6336,
190080, 1140480, -855360, -506880, 1520640, 1013760,
-427680, -712800, -38016, -266112, -1140480, 1406592,
38016, -684288, 228096, -3960, 21120, 7920, 380160,
-495000, -5280, -248160, 491040, -110880, 359040,
1795200, 2703360, 79200, -1045440, -1473120, -1077120,
-3991680, 3183840, -348480, -380160, 3136320, -3548160,
1140480, 760320, 1203840, -1964160, 23760, 31680,
142560, -665280, -71280, -380160, 887040, 2280960,
-570240, -63360, -380160, -2851200, 0, -760320,
1995840, 1900800, 1140480, -760320, -190080, -1710720,
0, -87120, -261360, -879120, 1259280, 1314720,
-1235520, -1758240, -443520, 1283040, 5274720, 2566080,
-3421440, -2280960, -1330560, 0, 126720, 190080,
570240, 760320, -2154240, -6462720, -5955840, 2851200,
2851200, 4561920, 2661120, 190080, 950400, -1140480,
2090880, 5892480, -6842880, -1140480, -362880, 2177280,
-2125440, 5391360, -5080320, -1900800, -1900800,
3801600, 0, 0, 0, 0], [1, -24, 117, -390, 4095, 7020,
-73125, 52650, 52, 780, -4680, -51480, 58500, 315900,
-93600, -4160, 28080, 234000, -608400, -327600, -20800,
-343200, 748800, -31200, 228800, -499200, 416000, -234,
-2340, 16380, -56160, 368550, -456300, 18720, -140400,
-46800, -140400, 421200, 74880, 280800, 1778400,
-1123200, 936000, -2340, 308880, -456300, 351000,
46800, 702000, -2808000, 1872000, -912600, -421200,
-561600, 936, -1872, 43056, -56160, -182520, 28080,
-3744, -18720, 1104480, -393120, -37440, 1048320,
-187200, 1497600, -160992, -898560, -1853280, 898560,
-486720, -9547200, -5316480, 5559840, 5728320, 336960,
314496, 2089152, -1617408, 3594240, -1482624, -1078272,
-3120, 9360, 28080, 234000, -280800, -18720, -748800,
-1404000, 1310400, 748800, -4118400, -4742400, 280800,

1404000, 2246400, 1684800, 7862400, -5616000, -449280,
224640, -3818880, 6289920, -2246400, -187200, 1123200,
2995200, 18720, -18720, -280800, -1965600, 1123200,
-37440, 2620800, -561600, -1497600, -748800, -561600,
1684800, 0, -1123200, 0, 449280, 4043520, 3594240,
-2246400, -4492800, 0, -112320, -336960, -561600,
5054400, 1123200, -6739200, -1123200, 0, 3369600,
3369600, 6739200, -2695680, -8087040, 0, 0, 449280,
2246400, 6739200, -6739200, -4492800, 17971200,
13478400, -13478400, -13478400, -2695680, 0, -898560,
-4492800, -13478400, 8985600, -8985600, 13478400,
5391360, 0, 0, 13478400, -13478400, 0, 1123200,
-6739200, -17971200, 7257600, 14515200, 0, 0], [1, -17,
135, -275, 1595, -1155, 8085, -12705, -58, -44, -4290,
-9240, -8470, 32340, 43890, 3080, 19360, 55440,
-110880, -366520, -49280, 0, 591360, 49280, 0, -295680,
-295680, 522, -1430, 9900, -32340, -85470, 62370,
-20460, 6160, 212520, 683760, -78540, 36960, -1453760,
-628320, 147840, -147840, 16500, -87780, 143220,
-401940, 378840, 2014320, -267960, 1958880, -452760,
-1081080, -2014320, -1496, 8184, 18480, 203280,
-194040, -138600, -11264, -413952, -295680, 1774080,
689920, 295680, 887040, 0, 145376, 332640, -1884960,
184800, -689920, -2661120, -1872640, -110880, 2772000,
-206976, -118272, -443520, -768768, -2897664, 3370752,
354816, -2200, -15840, -18480, 36960, 508200, 197120,
147840, -2808960, -295680, -98560, 1478400, 3548160,
-554400, 221760, 2328480, -443520, 3400320, 332640,
591360, 4435200, -1774080, 2365440, -5617920, -295680,
-3548160, -7983360, 29040, -109120, -596640, -31680,
113520, 42240, 3491840, -464640, -887040, -943360,
-10560, -1584000, 475200, -6673920, 3896640, -929280,
-760320, 7265280, -1140480, 718080, 5068800, -53680,
683760, 572880, -2199120, -1835680, -2291520, -1071840,
-1429120, 1811040, 4324320, 8057280, 443520, 4878720,
147840, -12038400, -147840, -443520, 3104640, 443520,
591360, 1774080, -5322240, 0, -8870400, -7096320,
15966720, 443520, -2365440, 443520, 2661120, 1478400,

-887040, -1774080, 376320, -2257920, 1128960, 3010560,
-2257920, 0, 0, 0, 0, 0, 0, 0], [1, -21, 147, -483,
819, -6615, 3969, 6615, -14, 252, -1134, 10584, 41454,
-58212, -29106, -56, -2016, -49392, -70560, 313992,
6272, 94080, -150528, -37632, -31360, 56448, 100352,
294, -2226, 7812, -5292, 76734, -60858, -2268, 7056,
-151704, -148176, 58212, -14112, 141120, -98784,
-131712, 94080, -3276, -37044, 15876, 5292, 172872,
656208, 222264, 268128, -74088, -412776, -529200,
-1176, 2520, -35280, -21168, -52920, 137592, 16128,
112896, 451584, -1354752, -169344, 451584, -733824,
301056, 98784, 381024, -127008, 211680, -790272,
-1016064, -451584, -635040, 127008, -338688, -1016064,
2032128, 338688, 3048192, 2032128, -2032128, 840,
22176, 63504, -465696, 31752, -56448, -56448, 1354752,
0, 0, -903168, -1279488, -296352, -423360, 973728,
-169344, -846720, 1058400, 1185408, 1354752, -1185408,
0, -1354752, -508032, -2201472, 2709504, 14544, -92736,
127008, 1028160, -384048, 32256, -806400, 580608,
467712, 1370880, 84672, -798336, -1487808, -193536,
1197504, 677376, -3773952, -3290112, -919296, 4112640,
1824768, -75600, 148176, 444528, 317520, 42336,
-2624832, 1651104, -846720, 550368, 889056, 2624832,
-508032, -3556224, 2540160, -1596672, 112896, -677376,
-2709504, 338688, 1128960, 3386880, 2483712, 1693440,
1693440, -2709504, -4741632, 338688, 1693440, -2032128,
-338688, -5757696, -4064256, 10160640, -1016064,
2032128, 1016064, 0, -2032128, -1016064, 3048192,
-2032128, 0, 0, 0, 0], [1, -27, 195, -585, 1755, -5265,
19305, -15795, 52, 156, -2340, 0, 7020, -63180, 49140,
-2600, 9360, 9360, 28080, -98280, 7280, -93600, -40560,
-74880, 41600, 12480, 54080, -78, -1950, 7020, -21060,
-115830, 136890, 16380, -32760, 28080, 294840, -231660,
-9360, 524160, 533520, -6240, 349440, -21060, 105300,
484380, -231660, -294840, -1937520, -294840, -1010880,
126360, 379080, 1516320, -156, 1404, 0, 168480, -21060,
-147420, -3744, -11232, -505440, 1179360, -46800,
-280800, 758160, -124800, 19656, -547560, -1389960,

210600, 1123200, 673920, -56160, 505440, 1010880,
-33696, 606528, -505440, -269568, -2830464, -606528,
1213056, 1560, 28080, 0, -196560, 210600, -131040,
196560, 336960, 28080, -37440, -561600, -773760, 0,
-1179360, -168480, 673920, 168480, 1179360, 589680,
2864160, -926640, -673920, -1853280, -112320, -1347840,
1460160, 0, -140400, -336960, 589680, 168480, 336960,
-224640, -3706560, -336960, -1909440, 758160, 5054400,
1263600, 4043520, -5559840, -2021760, -2021760,
4043520, -2358720, 2358720, 0, -56160, 252720, 673920,
-2274480, 28080, 1516320, 84240, 1797120, -1347840,
-1516320, -5222880, -1010880, 5054400, 2021760, 0,
327600, 252720, -645840, 589680, -1272960, 2920320,
2096640, -1965600, -3650400, 3144960, -1797120,
-673920, 0, 6065280, 673920, 4043520, -4043520,
-6065280, -673920, -6065280, -2021760, -5391360,
14152320, 3369600, 0, -3369600, 3888000, -3888000, 0,
0], [1, -35, 315, -665, 2555, -16905, 11025, 8925, 140,
-980, -7980, 0, 142100, -73500, -44100, -1960, 63280,
-35280, -529200, 303800, -74480, 0, 999600, 39200, 0,
-235200, -235200, -630, 2170, 16380, 38220, 22050,
-154350, 18060, -233240, 58800, 499800, 279300, 294000,
78400, -2881200, 117600, -1176000, -15540, 161700,
-1043700, 44100, -382200, 411600, 1264200, 235200,
499800, 1499400, -588000, 2212, -420, 23520, -188160,
-255780, 255780, -59360, 23520, 682080, -1058400,
90160, -2093280, -670320, -846720, -60760, -229320,
2522520, -288120, 439040, 7338240, 5213600, -776160,
-5644800, 456288, 329280, 635040, 376320, 658560,
-4656960, 733824, -5320, -11760, -164640, -294000,
676200, 109760, 294000, -823200, -999600, -78400,
2587200, 4233600, 423360, 3410400, 1058400, -2116800,
-823200, -4586400, -2152080, -4163040, -246960,
-658560, 7220640, 235200, -1411200, -6350400, 8160,
-56560, 168000, 1638000, -1041600, 194880, 156800,
3662400, -705600, 5499200, -865200, -6552000, -2494800,
-2284800, 6098400, 1357440, -5523840, -11316480,
3931200, 3057600, 2534400, -31360, 552720, 1999200,

-1822800, -1195600, -588000, 2058000, 3449600,
-1646400, -8114400, -7173600, 1834560, 5503680,
5174400, 0, 341040, -882000, -6526800, 2646000, 470400,
-7056000, -16934400, 5292000, 13053600, 9596160, 0,
-1975680, -4704000, 1411200, 4233600, -9408000,
14112000, -3669120, 5174400, 15523200, -1411200,
-3763200, -15523200, -1411200, 8467200, 38102400,
-12700800, -9878400, -17740800, 0], [1, -45, 555,
-1395, -1485, -44415, 174825, -99225, 250, -4020,
-6390, 113400, 368550, -1228500, 292950, 5320, 102240,
-811440, -453600, 2003400, -159040, 1512000, -571200,
-1310400, -448000, -537600, 627200, -1410, 15510,
27540, 64260, -1823850, 1615950, -32220, -569520,
1247400, 4460400, -2627100, 856800, -4132800, -453600,
-739200, 5712000, 68580, 56700, 1530900, -1757700,
491400, 2494800, 1020600, 6501600, -2154600, -3061800,
-5670000, 6792, -33480, -196560, -892080, 3787560,
-1065960, 5760, 2056320, -1330560, -4233600, -1854720,
6773760, 4112640, 5053440, -332640, 635040, 272160,
635040, -4596480, -16692480, -24192000, 7348320,
6804000, 580608, 0, -8709120, 2903040, 0, 0, 1741824,
-27960, 4320, 438480, 3780000, -4649400, 262080,
-4536000, 3326400, 3931200, 1612800, -4838400,
-11827200, 1421280, -2116800, -14968800, 10281600,
-4233600, -3175200, -5322240, -15966720, 15966720,
-10644480, 15966720, 7257600, 29030400, 21772800,
92880, 285120, 324000, -7128000, 3013200, -898560,
8294400, -11404800, 2419200, -13478400, -6609600,
-11664000, 14385600, -18662400, 11275200, 14929920,
59719680, 44789760, -13478400, -40435200, -6220800,
-244080, -861840, -2948400, 3855600, 151200, -22680000,
2268000, -17539200, 19504800, 55792800, 55339200,
-14152320, -42456960, -12700800, -23328000, 645120, 0,
-4838400, 0, 6451200, 48384000, 49996800, -24192000,
-38707200, -13547520, -24192000, -2903040, 0, 43545600,
-14515200, 0, 0, -26127360, 14515200, 43545600,
-43545600, 29030400, -43545600, -43545600, -174182400,
-130636800, 43545600, 130636800, 43545600, 87091200],

[1, -24, 261, -870, 2295, 11340, 33075, 85050, -44,
-660, -3240, -32760, -207900, -396900, 151200, 6160,
41760, 302400, 1159200, 529200, -159040, -940800,
-1713600, 1680000, 627200, -672000, 896000, 774, -2340,
19980, 0, -311850, -1644300, -56160, -166320, -75600,
2494800, -1134000, 907200, 302400, -4838400, 2217600,
2016000, 129060, 226800, 737100, 7597800, -1285200,
-2948400, 4536000, -6955200, -793800, -7484400,
4536000, -3960, 25488, 51408, 544320, 2063880, -861840,
62208, -846720, -5564160, -4717440, 1693440, 8951040,
-12096000, -1128960, -368928, -725760, -6259680,
4536000, -1693440, 15966720, 4838400, 10614240,
-8164800, 508032, 6241536, 5878656, -4644864, 20321280,
-17853696, -3483648, 8160, -116640, -453600, -151200,
4536000, 463680, 3628800, 907200, -3024000, -5241600,
10886400, -10752000, -907200, -907200, -25401600,
1814400, -18144000, 14515200, -725760, -7983360,
7257600, -13063680, 14515200, 1209600, 14515200,
24192000, 17280, 164160, -129600, -7128000, 3240000,
-1382400, 3456000, 17625600, -9676800, 3456000,
3369600, 10108800, -15552000, 17625600, -7776000,
-6842880, -23016960, -24883200, 8294400, 10368000,
-6220800, -123120, 907200, 2948400, -9525600, -2721600,
-11793600, 18144000, 7257600, 3175200, 29937600,
-18144000, 3265920, -32659200, -21772800, 31104000,
40320, -2419200, 12700800, -6048000, 8870400,
-41126400, 16128000, -25401600, 36288000, 49351680,
-48384000, 725760, -7257600, 10886400, 14515200,
-14515200, -21772800, 17418240, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0], [1, -27, 285, -1155, 1215, 2835, -12285,
-19845, -8, -564, 1440, 2520, -22680, 102060, -30240,
3220, 5040, -2520, 35280, -192780, -48160, -50400,
63840, -77280, 22400, -174720, 116480, 552, -2940,
11880, 0, 90720, 419580, -30060, -40320, -52920,
-725760, 351540, 357840, 372960, 468720, 692160,
853440, 76140, 56700, -374220, -1916460, -408240,
589680, -408240, -3764880, -408240, 2177280, 2585520,
-3396, 20844, -22680, -113400, -260820, 147420, 61056,

-24192, 362880, 1088640, -40320, -967680, 1088640,
-591360, -275184, -317520, 2857680, -1406160, -1935360,
-1451520, 1693440, 4490640, 136080, 108864, 943488,
-2721600, 3048192, -2467584, -6749568, 2612736, 10500,
-66960, -113400, 257040, -1417500, 70560, 574560,
272160, -393120, -887040, 1209600, -1397760, -226800,
1542240, 6214320, 544320, -2358720, -5397840, 1088640,
-7257600, 2540160, -1451520, 5080320, -2056320,
-1088640, 3144960, -6480, 86400, 764640, 362880,
-576720, -570240, -2039040, -1503360, -725760,
-4112640, 1244160, -5443200, 3110400, 13374720,
-6143040, -1658880, 11197440, 414720, 9434880,
-3214080, -12441600, -75600, 226800, -1496880, 3946320,
60480, 2358720, -1632960, 4777920, 1632960, -8709120,
-10342080, -3810240, 544320, 1632960, 10886400, 221760,
-1270080, -1391040, 1874880, 4515840, -967680, 2096640,
-7862400, -604800, 9676800, -6289920, 181440, 1088640,
-5987520, -5080320, 10886400, 11975040, -13063680,
-1451520, 8709120, -4354560, -11612160, 8709120, 0, 0,
0, 0, 0, 0, 0], [1, -32, 345, -1550, 1215, 3780, -8505,
17010, 52, -804, 5400, 14280, -26460, 41580, 0, 120,
-16800, -115920, 3360, -7560, 35840, 291200, 26880,
-165760, -179200, 322560, -215040, 162, -2380, 3060,
-30240, 1890, -306180, 2880, 58800, 297360, -15120,
-166320, -191520, -598080, 433440, -161280, -1137920,
3060, -45360, -200340, 1610280, 267120, -408240,
-60480, 1643040, -173880, -861840, -1028160, -2056,
15984, -35280, -120960, 113400, -45360, 14016, 157248,
584640, -423360, -376320, -967680, 1128960, -250880,
-78624, -483840, 272160, 544320, 362880, 846720,
967680, 1360800, -1270080, -72576, 580608, -362880,
870912, -1741824, -2757888, 1161216, 10960, -31680,
30240, 665280, 680400, -174720, -766080, -1572480,
1330560, 1182720, -1612800, 2938880, 302400, 1572480,
-7076160, 1693440, 3144960, -1270080, 1451520,
-2903040, -1451520, 0, 2903040, -2903040, 8709120,
-5806080, -34560, -23040, 535680, -1347840, 466560,
501120, -679680, 1226880, 1658880, 2257920, -276480, 0,

-518400, -8328960, 4561920, -2972160, 3525120, -552960,
5391360, -5391360, 0, 35280, 181440, -2615760,
-1179360, 20160, 5624640, -3870720, -1733760, -514080,
7076160, 1693440, 1088640, 3628800, -9434880, 0,
201600, -322560, 4475520, -2499840, -645120, -1935360,
-7096320, -3628800, 806400, 2257920, 8386560, -725760,
1693440, 4354560, -7257600, -967680, 8709120, -5806080,
-483840, -4354560, 5806080, 10644480, -11612160,
4838400, -14515200, 9676800, 0, 0, 0, 0], [1, -39, 471,
-2145, 2475, 10395, -10395, -10395, 136, -1980, 7920,
0, -138600, 41580, 0, -440, 0, 0, 554400, -138600,
12320, -92400, -739200, 462000, 123200, 0, 123200,
-426, 2310, -1980, -41580, 103950, 270270, 21780,
-27720, 277200, -415800, 207900, -166320, -554400,
277200, -369600, 184800, -57420, 41580, -207900,
-1455300, 138600, 831600, -415800, 2217600, 415800,
1247400, -1663200, 660, 5148, 11088, 166320, 207900,
-41580, -76032, -221760, -1552320, 0, 609840, 2772000,
-3049200, 1034880, 238392, -83160, 249480, -582120,
1552320, -665280, -3437280, -3991680, 997920, -66528,
1463616, -199584, -4523904, 5322240, 5189184, -2395008,
3960, -31680, -166320, 0, -1247400, 55440, 1108800,
831600, -1663200, -1108800, 1108800, -2217600, 0, 0,
6652800, -1663200, 0, -1663200, -498960, -4324320,
5155920, 1330560, -1663200, 0, -3326400, 3326400,
-39600, -7920, 475200, -1544400, 118800, 601920,
-316800, 2376000, 792000, 1108800, -594000, 0, 1069200,
-7603200, 3564000, -2851200, 1710720, 1140480, 6177600,
-6177600, 0, 166320, 665280, -831600, 4989600,
-2494800, -1663200, 5821200, -6652800, -1663200,
-9979200, 11642400, 13970880, -13970880, 0, 0, -277200,
-2494800, 4158000, 831600, 2217600, -6652800, 8870400,
8316000, -1663200, -13305600, 0, -665280, 2661120,
-13970880, 2661120, -6652800, 3991680, 11975040,
3628800, -1814400, -7257600, 14515200, -9072000, 0,
19958400, -19958400, -19958400, 19958400, 0, 0], [1,
-48, 705, -3486, 3231, 12852, -46305, 32130, 244,
-4932, 18072, 19656, -127260, 374220, -60480, 5320,

18144, -166320, 191520, -577080, -90496, 174720,
147840, -470400, -58240, -322560, 143360, -1254, 16548,
-20124, -78624, 447930, -653940, -12672, -289296,
277200, -2131920, 317520, 743904, 20160, 1683360,
860160, 2231040, -30204, 365904, -366660, 2910600,
-1244880, 3643920, 423360, -5312160, 914760, -5216400,
2600640, 5592, -39888, -7056, -48384, -1078056, 232848,
-63936, 504000, 1931328, 2165184, -645120, -2870784,
5160960, -182784, 397152, 628992, 1651104, -133056,
427392, -9120384, -1096704, -6332256, 2794176, -338688,
-4161024, -1016064, 1354752, -8322048, 12483072, 0,
-19152, 28800, -42336, 120960, 2041200, 499968, 927360,
-2177280, 2298240, -806400, 2499840, -2580480,
-1149120, -4233600, -8769600, -6048000, -8467200,
19656000, -1064448, 10644480, -8515584, 9580032,
-10644480, 3991680, 1209600, 3870720, 36864, 167040,
1278720, 1572480, -380160, -1425024, -7522560, -293760,
1128960, -13224960, 760320, 0, -3421440, 25470720,
-11404800, 8211456, 2488320, 7962624, -6289920,
19768320, -12441600, 57456, -133056, -5186160,
-4989600, 544320, 12035520, -14999040, 3507840,
2328480, 22680000, -4596480, -6604416, 20756736,
-25401600, 0, -685440, -4354560, 5201280, -2661120,
6935040, -3386880, 10321920, 10402560, 5322240,
-27095040, 0, 1693440, 20805120, 5080320, -6773760,
41610240, -62415360, 0, 2903040, -29030400, 23224320,
-26127360, 29030400, -23950080, -7257600, -23224320,
20321280, -63866880, 87091200, 0], [1, -59, 1101,
-6995, 4815, 48195, -32445, -19845, 376, -10740, 64800,
89880, -667800, 41580, 50400, 22260, -131280, -970200,
2427600, 18900, 5600, 2256800, -3511200, 1316000,
-1388800, 3225600, -940800, -2376, 49460, -155160,
-544320, 579600, 676620, -168300, 194880, 5128200,
-302400, -333900, 821520, -10365600, 3956400, 6552000,
-12084800, 252540, 374220, -1115100, -5197500,
-2242800, -680400, -5065200, -8139600, -831600,
7257600, 8089200, 13820, -189972, 53928, 1842120,
1009260, -457380, 478848, 2056320, -8668800, -4798080,

-4488960, 11854080, -11692800, -11379200, -988848,
-4127760, -14016240, 3492720, 7257600, 8709120,
38465280, 15921360, 6486480, 326592, -169344, 16946496,
1886976, 22014720, -21845376, -6386688, -70940, 543600,
1338120, -2041200, -3987900, -749280, -9828000, 151200,
-1360800, 11020800, -16128000, 18905600, 680400,
-352800, 35305200, 3931200, 45864000, -22755600,
887040, 39916800, -2661120, 1774080, -39916800,
4435200, -38707200, -43142400, 304560, -783360,
-5421600, -6220800, 2257200, -1019520, 17568000,
13392000, -15724800, 44179200, 950400, 42768000,
-2851200, 1900800, -21384000, 9123840, -79626240,
-88750080, -60652800, -24710400, 44582400, -1010160,
-1496880, 4460400, 20790000, 8971200, 2721600,
20260800, 32558400, 9979200, -87091200, -97070400,
-63685440, -25945920, 91022400, 85536000, 2197440,
9172800, 31147200, -7761600, -16128000, -19353600,
-85478400, -70761600, -28828800, 97090560, 88704000,
-1632960, 846720, -84732480, -9434880, -110073600,
109226880, 95800320, -2419200, -108864000, 7257600,
-4838400, 108864000, -26611200, 232243200, 258854400,
195955200, 79833600, -312076800, -319334400], [1, -72,
1725, -15510, 28215, 207900, -654885, 311850, 532,
-20724, 209880, -194040, -3534300, 6528060, -997920,
56320, -839520, 110880, 16077600, -14968800, 1010240,
0, -20328000, 5174400, 1232000, 1478400, 1971200,
-3858, 115500, -742500, -1330560, 12577950, -8856540,
-554400, 4934160, 14137200, -74012400, 15800400,
-7761600, -21067200, 66528000, -9609600, 19219200,
1146420, -4490640, -33056100, 46153800, 14137200,
52390800, -9979200, 46569600, -6237000, -7484400,
-49896000, 26664, -584496, 1829520, 11309760,
-30686040, 5488560, 2445696, -9580032, -70519680,
98461440, 15079680, 55883520, -10644480, 33116160,
-8182944, 0, 164656800, -41912640, -39916800,
-47900160, -159667200, 38918880, -77837760, 11176704,
30336768, -95800320, 41513472, -83026944, -134120448,
76640256, -168960, 2518560, -332640, -48232800,

44906400, -9092160, 0, 182952000, -46569600, -22176000,
-26611200, -59136000, 23284800, 63201600, -199584000,
86486400, -172972800, -139708800, -45239040,
-167650560, 31933440, -298045440, 479001600, 33264000,
39916800, 266112000, 950400, -8458560, -24235200,
126878400, -27086400, 26611200, 72230400, -228096000,
49420800, -98841600, -48470400, -179625600, 34214400,
-319334400, 256608000, 68428800, 82114560, 547430400,
-148262400, 296524800, 273715200, -4585680, 17962560,
132224400, -184615200, -56548800, -209563200, 39916800,
-186278400, 74844000, 89812800, 598752000, -155675520,
311351040, 558835200, -1026432000, 18184320, 0,
-365904000, 93139200, 88704000, 106444800, 354816000,
-172972800, 345945600, 596090880, -1064448000,
-55883520, -151683840, 479001600, -207567360,
415134720, 670602240, -1149603840, 123379200,
457228800, -87091200, 812851200, -1306368000,
-199584000, -239500800, -1596672000, 479001600,
-958003200, -1916006400, 3832012800], [1, -35, 525,
-3675, 14175, -19845, 33075, 33075, 0, -1540, 12600,
-88200, 0, -396900, -264600, 7700, -8400, 441000,
882000, 1984500, -196000, -1372000, -4116000, -2940000,
2352000, 5488000, -1568000, 840, -6300, 37800, 0, 0,
-396900, -81900, 0, -1323000, 0, 1984500, 2293200,
5292000, 2646000, -12936000, -3528000, 283500, -396900,
1984500, 1984500, -7938000, -7938000, -7938000,
23814000, 7938000, 0, -7938000, -6468, 71820, -264600,
793800, 1190700, 1508220, 201600, -846720, -4233600,
-12700800, -1411200, 16934400, 21168000, -9408000,
-1799280, 4762800, -4762800, -7938000, 16934400, 0,
-8467200, -23814000, 14288400, 3302208, -2540160,
19051200, -25401600, -35562240, 22861440, 6096384,
27300, -378000, 793800, -2646000, -661500, 352800,
5292000, 15876000, 5292000, -14112000, -42336000,
18816000, 1587600, -15876000, -7938000, 31752000,
31752000, -7938000, -12700800, 0, -12700800, 50803200,
-25401600, 21168000, 21168000, -42336000, -54000,
1209600, -2268000, 0, -5670000, -4233600, -6048000,

9072000, 30240000, -6048000, 9072000, 27216000,
27216000, -90720000, 13608000, 0, -43545600, 43545600,
-54432000, -18144000, 62208000, -75600, -1587600,
7938000, 7938000, 10584000, -31752000, -31752000,
10584000, -31752000, 0, 31752000, 57153600, 57153600,
-31752000, -54432000, 705600, -3528000, -10584000,
10584000, 0, 56448000, -28224000, 21168000, -63504000,
-67737600, 84672000, -1270080, 12700800, -19051200,
-25401600, 25401600, 38102400, -30481920, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0, 0], [1, -39, 597, -4455, 16335,
-31185, 10395, -31185, 52, -1980, 21780, -83160,
207900, 124740, 207900, 4180, -55440, 138600, -831600,
-1039500, 12320, 184800, 2032800, 1663200, -246400,
-2217600, 492800, 456, -4620, 11880, 0, 0, 374220,
-33660, 221760, -415800, 0, -1871100, 277200, -554400,
831600, -369600, -369600, 136620, -623700, 623700,
-1871100, -1663200, 2494800, 4989600, 831600, 2494800,
0, -2494800, -4884, 60588, -282744, 249480, -1122660,
-1122660, 101376, 0, 2661120, 7983360, -1774080,
-7983360, -13305600, 7687680, -1097712, 3492720,
-1496880, 7484400, 7983360, -7983360, 0, -13471920,
-7484400, 1995840, -7185024, -8382528, 1596672,
23950080, 16765056, -9580032, 27060, -308880, 1247400,
-831600, 623700, -110880, -1663200, -4989600, -1663200,
4435200, 13305600, -5913600, 2494800, -4989600,
7484400, -9979200, -9979200, 7484400, -7983360,
23950080, 0, -15966720, 0, 6652800, -19958400,
13305600, -95040, 1045440, -2851200, 4276800, 4276800,
-950400, 1900800, -14256000, 1900800, 13305600,
-1425600, 0, -21384000, 5702400, 8553600, 9123840,
13685760, -22809600, -17107200, 17107200, 0, 166320,
-2494800, 2494800, -7484400, 6652800, 9979200,
19958400, -23284800, -9979200, 0, 9979200, -5987520,
-29937600, 29937600, 0, 221760, 3326400, -3326400,
-9979200, -17740800, 0, 8870400, 33264000, 33264000,
-21288960, -26611200, -1995840, 3991680, 17962560,
7983360, -39916800, -35925120, 47900160, 3628800,
-21772800, 10886400, 29030400, -21772800, 0, 0, 0, 0,

0, 0, 0], [1, -45, 735, -5775, 22275, -40095, 37125,
22275, 130, -3300, 34650, -138600, 222750, -267300,
-193050, 2200, -79200, 277200, -396000, 891000, 123200,
0, 264000, -1056000, -616000, -264000, 176000, -150,
1650, -29700, 89100, -222750, -400950, 9900, 277200,
-297000, 1782000, 2227500, -1108800, -1584000,
-4752000, 5280000, 3696000, -29700, -445500, 445500,
1336500, 3267000, 1782000, -4455000, -8316000,
-2673000, -2673000, 5346000, -1848, 35640, -166320,
356400, 534600, 1176120, -63360, 0, -950400, -5702400,
1108800, 2851200, 9028800, -3379200, 0, 1425600,
-4276800, -8553600, -5702400, 11404800, -2851200,
6415200, 10692000, 399168, -1710720, 9408960, 1140480,
-17107200, -8553600, 5474304, 19800, -237600, 1069200,
-1188000, 891000, 0, -2376000, 0, -2376000, 4752000,
4752000, -3168000, 1425600, 0, 0, -14256000, 0,
10692000, -4276800, 8553600, 4276800, 0, -8553600,
2376000, -7128000, 4752000, -118800, 950400, -3564000,
0, -5346000, 950400, 9504000, 14256000, -19008000,
-19008000, -7128000, 0, 21384000, 28512000, -21384000,
11404800, -34214400, 22809600, 0, 0, 0, 475200,
-2851200, 7128000, 0, -2376000, -14256000, -7128000,
19008000, 14256000, 0, -14256000, -17107200, 17107200,
0, 0, -1108800, 7128000, -2376000, 16632000, -6336000,
-19008000, 12672000, -4752000, -33264000, 30412800, 0,
285120, -14256000, -12830400, 39916800, 39916800,
-25660800, -27371520, 6480000, 7776000, -27216000,
-41472000, 54432000, -14256000, 42768000, -28512000, 0,
0, 0, 0], [1, -53, 975, -8151, 33891, -63063, 45045,
-45045, 234, -6292, 59202, -264264, 390390, -180180,
270270, 5720, -96096, 720720, -480480, 120120, 64064,
-1281280, -960960, 0, 960960, 2242240, -640640, -1014,
18018, -118404, 396396, -270270, 810810, 5148, 144144,
-1801800, -720720, -3783780, -576576, 5765760, 5765760,
-3843840, -5765760, -118404, 324324, 540540, -2702700,
2522520, -6486480, 7567560, 1441440, -3243240, 5405400,
-2162160, 3432, -30888, 144144, -144144, -216216,
-1513512, -164736, 0, -1153152, 2306304, 2882880,

3459456, -2882880, -6150144, 1153152, -1729728,
5189184, 13837824, -16144128, -13837824, 14990976,
18162144, -18162144, -1729728, 3459456, -5189184,
6918912, 6918912, -10378368, 0, -3432, -68640, 144144,
-1441440, -1801800, 768768, 960960, 11531520, 8648640,
-9609600, -24984960, 11531520, -2882880, 0, 0,
28828800, 0, -21621600, 4036032, -17297280, -22486464,
18450432, 17297280, 2882880, 14414400, -17297280,
-61776, 823680, -1853280, 4942080, 7104240, -1482624,
-1647360, -22239360, 9884160, 23063040, 1235520, 0,
-33359040, -4942080, 18532800, 5930496, 29652480,
-35582976, -19768320, 19768320, 0, 576576, -3459456,
8648640, 0, -2882880, -17297280, -8648640, 23063040,
17297280, 0, -17297280, -20756736, 20756736, 0, 0,
-2882880, 8648640, -25945920, -25945920, 23063040,
69189120, -46126080, -51891840, 51891840, 0, 0,
8648640, -17297280, 25945920, -34594560, -34594560,
51891840, 0, -11007360, 47174400, 61326720, -50319360,
-47174400, -17297280, -86486400, 103783680, 63866880,
-63866880, 0, 0], [1, -63, 1365, -12831, 56511,
-120393, 85995, 36855, 364, -12012, 121212, -504504,
1031940, -343980, -343980, 20020, -248976, 1146600,
-3210480, -343980, 20384, -917280, 5809440, 1528800,
815360, -4892160, 815360, -2184, 53508, -373464,
1100736, -1375920, -1031940, -121212, 733824, -3439800,
5503680, 6535620, 1192464, 6420960, -9631440,
-10395840, 4280640, 68796, 619164, 1031940, 5159700,
-5503680, -12383280, -16511040, 23390640, 4127760, 0,
-4127760, 12012, -206388, 963144, -2339064, 619164,
2270268, 209664, 0, 8805888, 4402944, -3669120,
-26417664, -11007360, 22503936, 825552, -7429968,
-2476656, -27243216, 13208832, 39626496, -26417664,
-2476656, 27243216, -3302208, 6604416, -9906624,
13208832, 13208832, -19813248, 0, -55692, 589680,
-1788696, 4127760, 5159700, 550368, -2751840,
-19262880, -24766560, 0, 44029440, -14676480, -6879600,
13759200, -20638800, 27518400, 27518400, -20638800,
24216192, 0, 72648576, -96864768, 0, -22014720, 0,

22014720, 190944, -786240, 2358720, -2358720,
-12972960, -5975424, -3144960, 4717440, 34594560,
-3144960, 25945920, 0, 77837760, -103783680, 0,
-45287424, 0, 45287424, 9434880, -103783680, 40435200,
-275184, -2476656, -4127760, -20638800, 22014720,
49533120, 66044160, -93562560, -49533120, 0, 49533120,
9906624, -108972864, 82555200, 0, -1834560, 16511040,
5503680, 60540480, -29352960, -88058880, 58705920,
11007360, -121080960, 88058880, 0, 16511040, -33022080,
49533120, -66044160, -66044160, 99066240, 0, -66044160,
0, -198132480, 264176640, 0, 132088320, 0, -132088320,
-30481920, 335301120, -283046400, 0], [1, -75, 1965,
-22275, 111375, -239085, 259875, -155925, 520, -21780,
277200, -1247400, 2079000, -2286900, 831600, 51700,
-910800, 3465000, -4158000, 7276500, 677600, -924000,
924000, -8316000, -2464000, 0, 492800, -3720, 122100,
-1128600, 3326400, -4158000, 4365900, -485100, 5544000,
-10395000, 16632000, -17671500, -3049200, -13860000,
-29106000, 24024000, 24024000, 920700, -5613300,
3118500, -21829500, -4158000, 37422000, 62370000,
-29106000, 12474000, 0, -12474000, 25212, -623700,
3908520, -7068600, 9355500, -5114340, 1964160,
-11975040, 6652800, -46569600, -4435200, 39916800,
66528000, -20697600, -5488560, 7484400, -7484400,
67359600, 79833600, 0, -39916800, -97297200, -97297200,
4390848, 19958400, 41912640, -103783680, -103783680,
83825280, 19160064, -155100, 2732400, -10395000,
12474000, -21829500, -6098400, 8316000, -8316000,
74844000, 44352000, 0, -14784000, 9147600, 41580000,
87318000, -216216000, -216216000, 87318000, 13305600,
-119750400, -199584000, 186278400, 119750400,
-66528000, 0, 66528000, 831600, -9504000, 17820000,
-28512000, 30294000, 10454400, 47520000, 99792000,
-123552000, -123552000, 14256000, -128304000,
-213840000, 199584000, 64152000, -136857600, 0,
136857600, 370656000, 370656000, -171072000, -3682800,
22453200, -12474000, 87318000, 16632000, -149688000,
-249480000, 116424000, -149688000, 0, 149688000,

389188800, 389188800, -349272000, -256608000, 12196800,
-16632000, 16632000, -149688000, -177408000, 0,
88704000, 432432000, 432432000, -372556800, -266112000,
-21954240, -99792000, -209563200, 518918400, 518918400,
-419126400, -287400960, -36288000, 326592000,
544320000, -508032000, -326592000, 399168000, 0,
-399168000, -1197504000, -1197504000, 1197504000,
958003200], [1, -89, 2847, -40755, 263835, -675675,
405405, 135135, 702, -37180, 630630, -3963960, 7657650,
-540540, -1351350, 108680, -2814240, 18018000,
-21621600, -12612600, 3523520, -27227200, 4804800,
24024000, 9609600, 22422400, -6406400, -5694, 244530,
-3166020, 13513500, -12162150, -5675670, -1261260,
23783760, -91891800, 10810800, 40540500, -36036000,
129729600, 151351200, -9609600, -144144000, 3166020,
-40540500, 72972900, 56756700, 91891800, -32432400,
-243243000, -151351200, -48648600, -113513400,
162162000, 44616, -1513512, 14270256, -36756720,
3243240, 9729720, 6754176, -86486400, 155675520,
121080960, 98017920, -34594560, -259459200, -107627520,
-28540512, 220540320, -38918880, -194594400,
-311351040, -726485760, 518918400, 38918880, 583783200,
51891840, -186810624, -217945728, 41513472, 622702080,
435891456, -249080832, -326040, 8442720, -54054000,
64864800, 37837800, -31711680, 245044800, -43243200,
-216216000, -172972800, -403603200, 192192000,
108108000, -389188800, -454053600, 86486400,
1297296000, 454053600, -294053760, 103783680,
778377600, 968647680, -1556755200, 259459200,
605404800, -864864000, 2162160, -40772160, 157528800,
-18532800, -69498000, 123552000, -444787200,
-518918400, 49420800, 741312000, -315057600, 111196800,
833976000, 1037836800, -833976000, 533744640,
1245404160, -1779148800, -148262400, -2223936000,
-889574400, -12664080, 162162000, -291891600,
-227026800, -367567200, 129729600, 972972000,
605404800, 583783200, 1362160800, -1945944000,
-155675520, -2335132800, -1816214400, 3335904000,

63423360, -490089600, 86486400, 432432000, 691891200,
1614412800, -1153152000, -172972800, -2594592000,
-1937295360, 3459456000, -259459200, 934053120,
1089728640, -207567360, -3113510400, -2179457280,
3736212480, 801964800, -283046400, -2122848000,
-2641766400, 4245696000, -1556755200, -3632428800,
5189184000, 479001600, 7185024000, 6227020800,
-12454041600], [1, -105, 4095, -75075, 675675,
-2837835, 4729725, -2027025, 910, -60060, 1351350,
-12612600, 47297250, -56756700, 9459450, 200200,
-7207200, 75675600, -252252000, 189189000, 11211200,
-168168000, 504504000, -168168000, 112112000,
-336336000, 44844800, -8190, 450450, -8108100,
56756700, -141891750, 85135050, -2702700, 75675600,
-567567000, 1135134000, -283783500, -151351200,
1513512000, -2270268000, -1009008000, 1009008000,
8108100, -170270100, 851350500, -851350500, 567567000,
-3405402000, 1702701000, 2270268000, -567567000,
1702701000, -1135134000, 72072, -3243240, 45405360,
-227026800, 340540200, -68108040, 17297280, -363242880,
1816214400, -1816214400, 605404800, -3632428800,
1816214400, 1614412800, -90810720, 1362160800,
-4086482400, 1362160800, -3632428800, 10897286400,
-3632428800, 4086482400, -4086482400, 217945728,
-2179457280, 3269185920, 4358914560, -4358914560,
-6538371840, 1743565824, -600600, 21621600, -227026800,
756756000, -567567000, -100900800, 1513512000,
-4540536000, 1513512000, -2018016000, 6054048000,
-1345344000, 454053600, -4540536000, 6810804000,
9081072000, -9081072000, -6810804000, -1816214400,
10897286400, -5448643200, -14529715200, 10897286400,
3027024000, -9081072000, 6054048000, 4633200,
-129729600, 972972000, -1945944000, 486486000,
518918400, -5189184000, 7783776000, 5189184000,
-5189184000, -1945944000, 11675664000, -5837832000,
-15567552000, 5837832000, 6227020800, -18681062400,
12454041600, -15567552000, 15567552000, 13343616000,
-32432400, 681080400, -3405402000, 3405402000,

-2270268000, 13621608000, -6810804000, -9081072000,
6810804000, -20432412000, 13621608000, -16345929600,
16345929600, 27243216000, -23351328000, 201801600,
-3027024000, 9081072000, -3027024000, 8072064000,
-24216192000, 8072064000, -18162144000, 18162144000,
29059430400, -24216192000, -1089728640, 10897286400,
-16345929600, -21794572800, 21794572800, 32691859200,
-26153487360, 4953312000, -29719872000, 14859936000,
39626496000, -29719872000, -18162144000, 54486432000,
-36324288000, 50295168000, -50295168000, -93405312000,
87178291200]]