Van Eck Sequence

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, 547, 0, 5, 5, 1, 58, 1991, 0, 6, 40, 994, 0, 4, 40, 4, 2, 35, 621, 1622, 0, 8, 35, 5, 19, 115, 1008, 2139, 0, 8, 8, 1
, 26, 360, 917, 0, 7, 43, 823, 0, 4, 25, 173, 714, 0, 5, 22, 761, 0, 4, 9, 96, 225, 515, 0, 6, 46, 392, 0, 4, 10, 291, 0
, 4, 4, 1, 34, 348, 0, 6, 14, 129, 990, 0, 5, 29, 164, 803, 0, 5, 5, 1, 16, 146, 424, 0, 7, 50, 642, 0, 4, 26, 59, 627,
2781, 0, 6, 27, 569, 3037, 0, 5, 21, 417, 1874, 0, 5, 5, 1, 27, 12, 212, 403, 0, 8, 84, 241, 3323, 0, 5, 12, 10, 61, 206
, 1841, 0, 7, 40, 113, 224, 1721, 0, 6, 36, 1434, 0, 4, 46, 81, 209, 1057, 0, 6, 10, 22, 98, 1409, 0, 6, 6, 1, 42, 649,
511, 0, 7, 29, 81, 19, 134, 3420, 0, 7, 7, 1, 14, 95, 727, 0, 7, 6, 21, 69, 1576, 0, 6, 5, 57, 1993, 0, 5, 4, 45, 250,
854, 0, 6, 11, 362, 1930, 0, 5, 11, 5, 2, 178, 830, 0, 7, 29, 43, 163, 0, 5, 10, 61, 83, 576, 2702, 0, 7, 12, 91, 1116,
0, 5, 12, 5, 2, 24, 1069, 0, 7, 12, 7, 2, 7, 2, 2, 1, 65, 1549, 0, 11, 41, 343, 0, 4, 56, 897, 0, 4, 4, 1, 14, 79, 262,
2107, 0, 8, 135, 1827, 0, 4, 11, 21, 84, 141, 336, 1899, 0, 8, 12, 39, 298, 0, 5, 49, 481, 0, 4, 17, 307, 373, 3451, 0,
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411, 2723, 0, 5, 5, 1, 68, 1176, 0, 6, 27, 207, 2186, 0, 5, 10, 34, 256, 1747, 0, 6, 11, 73, 1300, 0, 5, 11, 5, 2, 45,
153, 2573, 0, 8, 78, 1682, 602, 0, 5, 11, 13, 933, 0, 5, 5, 1, 40, 225, 301, 459, 359, 0, 9, 63, 1195, 0, 4, 63, 4, 2,
31, 672, 0, 7, 143, 1678, 0, 4, 9, 16, 293, 0, 5, 28, 628, 0, 4, 9, 9, 1, 34, 64, 581, 0, 8, 51, 781, 0, 4, 12, 133,
1863, 0, 5, 21, 145, 626, 0, 5, 5, 1, 21, 7, 39, 146, 327, 0, 9, 29, 215, 0, 4, 23, 459, 64, 33, 551, 1854, 0, 8, 35,
404, 130, 3378, 0, 6, 105, 999, 1856, 0, 5, 31, 71, 451, 0, 5, 5, 1, 37, 496, 1016, 0, 7, 40, 97, 1947, 0, 5, 11, 109,
1397, 0, 5, 5, 1, 17, 190, 2962, 0, 7, 17, 5, 8, 43, 269, 495, 0, 8, 5, 7, 10, 155, 527, 3386, 0, 8, 8, 1, 23, 66, 2574
, 0, 7, 13, 143, 120, 1911, 0, 6, 63, 132, 842, 0, 5, 25, 459, 82, 994, 492, 0, 7, 18, 508, 2181, 0, 5, 12, 117, 894,
2113, 0, 6, 23, 34, 133, 124, 881, 0, 7, 18, 18, 1, 44, 727, 362, 342, 1987, 0, 10, 58, 529, 0, 4, 121, 602, 198, 3815,
0, 6, 27, 229, 1494, 0, 5, 38, 245, 255, 0, 5, 5, 1, 29, 143, 68, 247, 3601, 0, 9, 150, 0, 3, 705, 3392, 0, 4, 32, 721,
0, 4, 4, 1, 20, 628, 198, 38, 30, 1267, 1732, 0, 11, 131, 822, 0, 4, 14, 346, 0, 4, 4, 1, 19, 296, 0, 6, 55, 611, 0, 4,
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110, 693, 814, 0, 5, 17, 174, 1119, 0, 5, 5, 1, 17, 7, 14, 59, 558, 0, 9, 49, 387, 988, 0, 5, 13, 170, 2016, 0, 5, 5, 1
, 19, 70, 1031, 0, 7, 22, 53, 995, 0, 5, 11, 91, 465, 1232, 0, 6, 53, 10, 73, 356, 2634, 0, 7, 18, 163, 489, 3329, 0, 6
, 13, 36, 563, 3586, 0, 6, 6, 1, 37, 259, 952, 0, 7, 19, 42, 558, 59, 61, 422, 0, 8, 233, 921, 0, 4, 116, 2016, 60, 1480
, 0, 6, 24, 507, 3741, 0, 5, 55, 131, 146, 323, 3051, 0, 7, 30, 157, 3050, 0, 5, 12, 113, 616, 0, 5, 5, 1, 47, 1004, 0,
6, 28, 375, 0, 4, 38, 178, 564, 0, 5, 14, 114, 1430, 0, 5, 5, 1, 20, 193, 919, 0, 7, 37, 72, 1747, 453, 0, 6, 27, 236,
2289, 1361, 0, 6, 6, 1, 19, 81, 633, 3206, 0, 8, 79, 550, 0, 4, 41, 194, 845, 0, 5, 35, 378, 1837, 0, 5, 5, 1, 22, 140,
4029, 0, 7, 41, 17, 170, 158, 4164, 0, 7, 7, 1, 14, 62, 832, 3492, 0, 8, 36, 135, 582, 1014, 1338, 0, 7, 14, 13, 144,
2069, 0, 6, 56, 606, 3180, 0, 5, 39, 440, 0, 4, 54, 871, 0, 4, 4, 1, 34, 340, 1958, 0, 7, 26, 773, 0, 4, 10, 185, 2120,
0, 5, 24, 147, 0, 4, 9, 224, 749, 0, 5, 9, 5, 2, 519, 0, 6, 44, 360, 856, 0, 5, 9, 11, 218, 2202, 0, 6, 11, 5, 8, 71,
464, 2489, 0, 8, 5, 7, 45, 574, 3305, 0, 7, 5, 7, 2, 32, 346, 327, 508, 412, 2769, 0, 11, 25, 425, 2342, 0, 5, 15, 951,
1087, 0, 5, 5, 1, 78, 597, 3136, 0, 7, 26, 78, 6, 46, 808, 0, 7, 7, 1, 14, 113, 208, 1657, 0, 8, 50, 870, 2238, 2314, 0
, 6, 18, 274, 4175, 0, 5, 32, 51, 578, 0, 5, 5, 1, 24, 102, 3203, 0, 7, 30, 242, 1945, 0, 5, 11, 61, 274, 23, 470, 3054
, 0, 8, 36, 162, 3665, 0, 5, 13, 159, 1783, 0, 5, 5, 1, 30, 25, 81, 217, 1935, 0, 9, 118, 381, 3764, 0, 5, 13, 19, 229,
473, 0, 6, 60, 301, 670, 3316, 0, 6, 6, 1, 26, 89, 1062, 0, 7, 56, 192, 1577, 0, 5, 24, 66, 557, 0, 5, 5, 1, 17, 231,
2127, 0, 7, 17, 5, 8, 63, 561, 0, 7, 7, 1, 14, 111, 1236, 0, 7, 6, 38, 310, 1535, 0, 6, 5, 19, 56, 39, 227, 2813, 0, 8,
25, 75, 3716, 0, 5, 12, 343, 852, 0, 5, 5, 1, 31, 656, 3070, 0, 7, 31, 5, 8, 20, 331, 4466, 0, 8, 5, 7, 10, 240, 3155, 0
, 7, 5, 7, 2, 199, 1709, 0, 7, 5, 7, 2, 7, 2, 2, 1, 34, 268, 1860, 0, 12, 45, 223, 2844, 0, 5, 16, 762, 0, 4, 264, 3863
, 0, 4, 4, 1, 20, 46, 203, 2066, 0, 8, 47, 403, 1042, 0, 5, 21, 751, 2773, 0, 5, 5, 1, 18, 202, 0, 6, 96, 1118, 0, 4, 27
, 392, 1117, 2408, 0, 6, 10, 71, 278, 2639, 0, 6, 6, 1, 22, 376, 3768, 0, 7, 68, 633, 402, 0, 5, 33, 776, 0, 4, 28, 447
, 0, 4, 4, 1, 20, 60, 185, 340, 350, 1473, 0, 10, 35, 411, 910, 0, 5, 23, 232, 2110, 0, 5, 5, 1, 20, 20, 1, 3, 664, 0, 9
, 222, 1274, 0, 4, 32, 270, 1878, 1269, 0, 6, 58, 709, 0, 4, 10, 34, 122, 4215, 0, 6, 10, 6, 2, 131, 525, 0, 7, 69, 1089
, 0, 4, 17, 212, 1155, 0, 5, 44, 382, 3321, 0, 5, 5, 1, 47, 124, 757, 0, 7, 21, 124, 5, 9, 52, 1448, 0, 8, 137, 3002, 0
, 4, 29, 737, 0, 4, 4, 1, 23, 80, 2105, 0, 7, 23, 5, 22, 120, 817, 0, 7, 7, 1, 14, 252, 3391, 0, 7, 6, 64, 900, 3882, 0
, 6, 5, 19, 252, 12, 197, 2266, 0, 8, 43, 864, 2904, 0, 5, 12, 10, 85, 1049, 0, 6, 19, 18, 180, 2204, 0, 6, 6, 1, 38,
284, 1811, 0, 7, 38, 5, 21, 77, 1078, 0, 7, 7, 1, 14, 52, 81, 361, 2407, 0, 9, 87, 1562, 0, 4, 78, 434, 0, 4, 4, 1, 17,
118, 372, 4012, 0, 8, 56, 314, 0, 4, 11, 408, 0, 4, 4, 1, 16, 262, 1154, 0, 7, 39, 328, 2561, 0, 5, 50, 452, 0, 4, 15,
483, 0, 4, 4, 1, 20, 191, 2181, 912, 1744, 0, 9, 53, 744, 0, 4, 12, 92, 2061, 2487, 0, 6, 85, 96, 268, 310, 370, 3108, 0
, 8, 55, 713, 0, 4, 18, 103, 1565, 0, 5, 44, 183, 2547, 0, 5, 5, 1, 41, 644, 3813, 0, 7, 61, 479, 0, 4, 21, 110, 835,
3919, 0, 6, 39, 71, 296, 880, 1176, 1166, 0, 8, 39, 8, 2, 229, 467, 0, 7, 25, 409, 2868, 0, 5, 36, 502, 2323, 0, 5, 5, 1
, 42, 793, 0, 6, 31, 408, 113, 556, 0, 6, 6, 1, 12, 84, 1259, 0, 7, 29, 225, 1167, 0, 5, 23, 219, 1632, 0, 5, 5, 1, 17,
148, 1532, 0, 7, 17, 5, 8, 54, 686, 0, 7, 7, 1, 14, 179, 1948, 0, 7, 6, 38, 194, 752, 0, 6, 5, 19, 213, 2042, 0, 6, 6, 1
, 19, 7, 16, 167, 1579, 0, 9, 145, 1170, 0, 4, 106, 2099, 0, 4, 4, 1, 17, 45, 450, 1897, 0, 8, 48, 2477, 0, 4, 11, 198,
1013, 3252, 0, 6, 34, 348, 1531, 0, 5, 45, 20, 184, 0, 5, 5, 1, 28, 408, 103, 162, 618, 2024, 0, 10, 277, 992, 0, 4, 30
, 616, 877, 0, 5, 18, 178, 868, 0, 5, 5, 1, 24, 592, 0, 6, 40, 1188, 1988, 0, 5, 10, 26, 612, 0, 5, 5, 1, 16, 83, 1444,
0, 7, 88, 2738, 0, 4, 37, 883, 2498, 0, 5, 15, 250, 1481, 3190, 0, 6, 32, 431, 2267, 0, 5, 11, 83, 25, 186, 3407, 0, 7,
27, 508, 762, 545, 0, 6, 18, 61, 223, 556, 181, 2121, 0, 8, 108, 1812, 0, 4, 41, 239, 0, 4, 4, 1, 56, 316, 3510, 0, 7,
29, 191, 291, 1651, 3168, 0, 7, 7, 1, 14, 174, 1079, 0, 7, 6, 38, 174, 6, 3, 498, 0, 8, 37, 74, 2305, 0, 5, 63, 681, 0,

Van Eck Sequence

2 4, 37, 9, 172, 1922, 0, 6, 19, 183, 294, 0, 5, 15, 89, 721, 1182, 0, 6, 11, 84, 244, 4176, 0, 6, 6, 1, 47, 489, 1076, 2037, 0, 8, 40, 135, 941, 0, 5, 25, 101, 3972, 0, 5, 5, 1, 18, 97, 1335, 0, 7, 65, 1559, 2532, 0, 5, 11, 36, 300, 0, 5, 5, 1, 17, 220, 4952, 0, 7, 17, 5, 8, 37, 68, 618, 198, 220, 11, 20, 212, 550, 1021, 0, 15, 68, 11, 8, 15, 4, 85, 390, 2722, 0, 10, 188, 0, 3, 105, 1402, 0, 4, 12, 324, 0, 4, 4, 1, 43, 511, 1692, 0, 7, 43, 5, 43, 2, 367, 3270, 0, 8, 33, 660, 0, 4, 18, 77, 502, 367, 11, 43, 15, 43, 2, 17, 64, 551, 1450, 2082, 0, 16, 227, 800, 0, 4, 20, 66, 840, 3152, 0, 6, 122, 637, 0, 4, 10, 61, 204, 0, 5, 45, 294, 148, 366, 0, 6, 15, 35, 688, 0, 5, 11, 42, 406, 0, 5, 5, 1, 70, 1247, 0, 6, 16, 42, 11, 13, 904, 0, 7, 76, 1314, 0, 4, 38, 204, 37, 122, 45, 37, 3, 102, 960, 2930, 0, 12, 102, 5, 30, 322, 0, 6, 29, 237, 0, 4, 22, 644, 491, 1661, 0, 6, 10, 66, 76, 34, 363, 0, 7, 39, 481, 1697, 0, 5, 26, 326, 0, 4, 22, 22, 1, 62, 1150, 0, 7, 16, 62, 5, 14, 264, 843, 0, 8, 131, 731, 0, 4, 19, 245, 1442, 0, 5, 14, 14, 1, 24, 367, 137, 712, 0, 9, 263, 0, 3, 73, 1325, 0, 4, 21, 544, 3318, 0, 5, 21, 5, 2, 151, 2667, 0, 7, 45, 92, 595, 0, 5, 10, 73, 22, 58, 789, 0, 7, 12, 97, 253, 0, 5, 12, 5, 2, 24, 45, 21, 29, 101, 271, 2445, 0, 12, 11, 134, 1896, 0, 5, 15, 157, 1321, 0, 5, 5, 1, 66, 108, 372, 683, 0, 8, 84, 313, 3721, 0, 5, 12, 24, 33, 222, 846, 0, 7, 47, 318, 3113, 0, 5, 12, 12, 1, 26, 123, 2531, 0, 8, 25, 320, 4011, 0, 5, 13, 181, 412, 1183, 0, 6, 151, 87, 736, 0, 5, 11, 59, 1403, 0, 5, 5, 1, 28, 511, 276, 4598, 0, 8, 29, 78, 750, 0, 5, 12, 41, 433, 0, 5, 5, 1, 18, 277, 522, 0, 7, 59, 29, 18, 7, 4, 135, 375, 1394, 0, 10, 122, 221, 2810, 0, 5, 21, 111, 1096, 0, 5, 5, 1, 27, 484, 0, 6, 61, 277, 31, 665, 0, 6, 6, 1, 12, 46, 1030, 3407, 502, 318, 97, 145, 613, 0, 13, 85, 362, 1659, 0, 5, 29, 49, 1540, 0, 5, 5, 1, 23, 676, 2373, 0, 7, 58, 172, 463, 4409, 0, 6, 35, 308, 3768, 1024, 4870, 0, 7, 13, 31, 48, 633, 1028, 0, 7, 7, 1, 27, 62, 247, 1669, 0, 8, 107, 2622, 0, 4, 89, 484, 72, 1463, 0, 6, 32, 574, 1334, 0, 5, 49, 54, 710, 0, 5, 5, 1, 28, 135, 108, 190, 1796, 0, 9, 256, 1939, 0, 4, 29, 73, 236, 1486, 0, 6, 29, 6, 2, 230, 5445, 0, 7, 53, 853, 0, 4, 17, 413, 0, 4, 4, 1, 34, 329, 3571, 0, 7, 15, 235, 2431, 0, 5, 45, 253, 261, 3802, 0, 6, 31, 86, 4037, 0, 5, 11, 197, 982, 0, 5, 5, 1, 28, 62, 90, 2042, 761, 2274, 0, 10, 172, 119, 4545, 0, 5, 14, 332, 0, 4, 46, 156, 5304, 0, 5, 9, 78, 213, 783, 0, 6, 40, 573, 3350, 0, 5, 11, 40, 6, 8, 121, 1815, 0, 8, 4, 25, 262, 960, 424, 2278, 0, 8, 8, 1, 51, 1399, 0, 6, 19, 380, 2540, 0, 5, 27, 150, 1814, 0, 5, 5, 1, 16, 404, 1958, 1525, 0, 8, 23, 190, 133, 1872, 0, 6, 24, 318, 215, 1983, 0, 6, 6, 1, 20, 523, 4382, 0, 7, 115, 2384, 0, 4, 54, 164, 2338, 0, 5, 35, 207, 2102, 0, 5, 5, 1, 21, 267, 3508, 0, 7, 21, 5, 8, 43, 565, 0, 7, 7, 1, 14, 109, 1985, 0, 7, 6, 42, 526, 0, 5, 17, 166, 3036, 0, 5, 5, 1, 17, 7, 14, 19, 87, 351, 3638, 0, 11, 114, 1701, 0, 4, 56, 764, 0, 4, 4, 1, 19, 16, 92, 451, 2039, 0, 9, 142, 2181, 1062, 1451, 0, 6, 43, 55, 1045, 4833, 0, 6, 6, 1, 21, 66, 431, 828, 0, 8, 69, 1241, 0, 4, 32, 263, 501, 0, 5, 56, 42, 67, 1890, 0, 6, 22, 485, 0, 4, 15, 227, 645, 4344, 0, 6, 10, 203, 1379, 0, 5, 21, 36, 738, 4314, 0, 6, 11, 74, 806, 0, 5, 11, 5, 2, 271, 496, 2102, 128, 0, 9, 70, 638, 4681, 0, 5, 12, 380, 185, 1350, 0, 6, 25, 204, 634, 2856, 0, 6, 6, 1, 75, 1489, 0, 6, 5, 19, 101, 528, 5479, 0, 7, 124, 1299, 0, 4, 65, 797, 0, 4, 4, 1, 21, 60, 1385, 0, 7, 15, 76, 639, 3169, 0, 6, 28, 286, 3604, 0, 5, 32, 102, 668, 3305, 1700, 0, 7, 18, 470, 1627, 0, 5, 12, 63, 884, 0, 5, 5, 1, 35, 209, 2489, 1725, 0, 8, 131, 645, 111, 476, 3797, 0, 7, 25, 77, 779, 0, 5, 19, 69, 144, 1807, 0, 6, 48, 431, 154, 4091, 0, 6, 6, 1, 32, 51, 292, 3432, 0, 8, 32, 6, 9, 116, 1948, 1122, 0, 8, 8, 1, 16, 199, 1560, 0, 7, 40, 329, 391, 2870, 0, 6, 19, 41, 555, 0, 5, 46, 357, 5389, 0, 5, 5, 1, 23, 308, 487, 0, 7, 23, 5, 8, 32, 41, 20, 304, 4241, 0, 10, 185, 154, 61, 546, 0, 6, 33, 640, 0, 4, 132, 2227, 0, 4, 4, 1, 31, 424, 368, 4121, 0, 8, 29, 463, 529, 2201, 0, 6, 22, 224, 1864, 0, 5, 41, 39, 783, 406, 840, 867, 0, 8, 19, 68, 934, 3061, 0, 6, 19, 6, 2, 217, 1755, 0, 7, 64, 896, 0, 4, 43, 283, 3879, 0, 5, 30, 833, 0, 4, 9, 113, 1273, 0, 5, 9, 5, 2, 25, 148, 891, 0, 8, 39, 46, 103, 1184, 0, 6, 37, 865, 0, 4, 23, 100, 5538, 0, 5, 21, 216, 3778, 0, 5, 5, 1, 86, 509, 0, 6, 20, 111, 185, 108, 565, 389, 0, 8, 34, 538, 0, 4, 28, 228, 3546, 0, 5, 22, 95, 2671, 0, 5, 5, 1, 28, 12, 224, 103, 51, 187, 3594, 0, 11, 308, 153, 2517, 0, 5, 15, 260, 4755, 0, 5, 5, 1, 21, 56, 354, 0, 7, 102, 260, 12, 27, 495, 2402, 0, 8, 50, 1468, 0, 4, 50, 4, 2, 96, 1447, 3928, 0, 8, 12, 18, 275, 4167, 0, 6, 76, 297, 0, 4, 16, 224, 55, 412, 798, 3007, 0, 8, 18, 17, 452, 1499, 0, 6, 18, 6, 2, 32, 210, 3719, 0, 8, 14, 463, 186, 1246, 0, 6, 12, 38, 999, 2496, 0, 6, 6, 1, 71, 1459, 0, 6, 5, 77, 299, 5290, 0, 6, 6, 1, 12, 20, 129, 2878, 0, 8, 32, 37, 155, 2478, 0, 6, 13, 741, 0, 4, 64, 196, 3721, 891, 176, 4641, 0, 8, 18, 58, 767, 0, 5, 36, 443, 0, 4, 17, 72, 742, 0, 5, 9, 200, 5596, 0, 5, 5, 1, 45, 693, 2357, 0, 7, 128, 448, 0, 4, 21, 137, 1000, 0, 5, 15, 149, 3383, 0, 5, 5, 1, 21, 12, 67, 502, 835, 1546, 0, 10, 308, 169, 3110, 0, 5, 14, 105, 1193, 0, 5, 5, 1, 20, 85, 846, 954, 0, 8, 68, 284, 1687, 0, 5, 12, 30, 269, 2576, 0, 6, 91, 2373, 849, 0, 5, 11, 204, 492, 2553, 0, 6, 11, 6, 2, 148, 275, 174, 1340, 0, 9, 84, 998, 0, 4, 73, 807, 0, 4, 4, 1, 47, 996, 0, 6, 21, 71, 150, 708, 0, 6, 6, 1, 12, 48, 442, 4200, 0, 8, 59, 955, 0, 4, 23, 299, 162, 1492, 2821, 0, 7, 112, 3675, 0, 4, 11, 52, 1747, 2338, 701, 0, 7, 11, 7, 2, 59, 25, 336, 2867, 0, 9, 59, 6, 40, 451, 654, 0, 7, 14, 110, 1667, 4113, 0, 6, 11, 22, 307, 2872, 0, 6, 6, 1, 58, 178, 1524, 0, 7, 19, 395, 4777, 0, 5, 105, 133, 769, 0, 5, 5, 1, 17, 187, 320, 1071, 0, 8, 75, 602, 2634, 2489, 547, 3176, 0, 8, 8, 1, 16, 284, 144, 538, 358, 3538, 0, 10, 170, 2373, 141, 2936, 0, 6, 48, 104, 4107, 0, 5, 36, 226, 5171, 0, 5, 5, 1, 26, 1117, 2035, 0, 7, 59, 85, 181, 1113, 0, 6, 23, 118, 1837, 2416, 0, 6, 6, 1, 19, 73, 155, 275, 166, 782, 0, 10, 45, 244, 1477, 5079, 0, 6, 15, 236, 975, 0, 5, 39, 454, 0, 4, 138, 4275, 0, 4, 4, 1, 29, 522, 1118, 2089, 0, 8, 81, 1895, 0, 4, 11, 125, 4092, 0, 5, 25, 148, 209, 646, 5663, 0, 7, 65, 693, 287, 3286, 0, 6, 43, 514, 0, 4, 22, 146, 2557, 0, 5, 22, 5, 2, 174, 231, 2249, 0, 8, 39, 55, 402, 2110, 2083, 0, 7, 30, 264, 1326, 0, 5, 18, 343, 2228, 0, 5, 5, 1, 64, 358, 135, 1067, 0, 8, 25, 55, 25, 2, 34, 504, 5730, 0, 9, 207, 917, 3303, 0, 5, 21, 257, 6115, 0, 5, 5, 1, 27, 476, 713, 1905, 0, 8, 27, 6, 71, 271, 811, 5218, 0, 8, 8, 1, 16, 181, 149, 359, 3011, 0, 9, 35, 744, 1945, 2391, 0, 6, 21, 36, 176, 412, 478, 0, 7, 75, 211, 5176, 0, 5, 42, 877, 1767, 0, 5, 5, 1, 32, 443, 420, 0, 7, 17, 234, 4519, 0, 5, 11, 139, 3919, 1936, 0, 6, 35, 41, 667, 0, 5, 11, 11, 1, 24, 1024, 1207, 0, 8, 62, 1107, 0, 4, 140, 2617, 0, 4, 4, 1, 15, 193, 2665, 0, 7, 39, 138, 190, 1051, 0, 6, 34, 115, 1038, 0, 5, 34, 5, 2, 123, 1361, 2671, 618, 1646, 0, 10, 225, 1941, 0, 4, 31, 736, 1356, 0, 5, 17, 69, 825, 0, 5, 1, 42, 88, 1824, 0, 7, 42, 5, 8, 60, 892, 0, 7, 7, 1, 14, 355, 6414, 0, 7, 6, 51, 650, 5387, 0, 6, 5, 19, 275, 273, 4128, 0, 7, 13, 550, 1693, 0, 5, 11, 96, 631, 0, 5, 5, 1, 30, 212, 1706, 0, 7, 17, 56, 662, 4248, 0, 6, 30, 11, 19, 31, 70, 984, 0, 8, 55, 212, 19, 8, 4, 80, 2244, 0, 9, 178, 398, 6397, 0, 5, 34, 103, 709, 2311, 0, 6, 28, 717, 0, 4, 19, 22, 271, 209, 293, 3192, 0, 8, 28, 12, 481, 1609, 0, 6, 18, 264, 269, 534, 0, 6, 6, 1, 65, 307, 443, 191, 1878, 2350, 0, 10, 133, 433, 1462, 0, 5, 45, 363, 1639, 0, 5, 5, 1, 20, 573, 1261, 0, 7, 85, 396, 6546, 0, 5, 11, 83, 1942, 0, 5, 5, 1, 17, 97, 1441, 0, 7, 17, 5, 8, 59, 417, 3529, 0, 8, 5, 7, 10, 45, 40, 509, 825, 170, 452, 735, 0, 12, 74, 1109, 0, 4, 88, 174, 356, 2969, 0, 6, 73, 429, 5107, 0, 5, 26, 454, 416, 0, 5, 5, 1, 47, 590, 0, 6, 16, 310, 2236, 0, 5, 10, 41, 267, 1255, 5434, 0, 7, 48, 489, 1920, 4843, 0, 6, 18, 114, 1228, 5012, 0, 6, 6, 1, 30, 168, 6275, 0, 7, 19, 141, 513, 4998, 0, 6, 12, 64, 391, 1031, 3046, 0, 7, 13, 209, 152, 4781, 0, 6, 13, 6, 2, 273, 222, 1648, 0, 8, 96, 217, 970, 0, 5, 58, 587, 4058, 0, 5, 5, 1, 44, 2291, 0, 6, 22, 183, 2001, 0, 5, 10, 74, 106, 2180, 0, 6, 11, 143, 3202, 0, 5, 11, 5, 2, 40, 127, 0, 7, 53, 1492, 667, 359, 407, 4018, 0, 8, 47, 109, 1340, 714, 3739, 0, 7, 15, 351, 1326, 477, 0, 6, 33, 1073, 6346, 0, 5, 31, 262, 1438, 0, 5, 5, 1, 60, 319, 5540, 0, 7, 23, 589, 0, 4, 161, 0, 3, 1807, 1168, 0, 4, 7, 12, 110, 685, 0, 6, 34, 272, 3875, 0, 5, 28, 259, 3128, 0, 5, 5, 1, 34, 12, 18, 148, 568, 5978, 0, 10, 92, 1369, 0, 4, 30, 150, 765, 5114, 0, 6, 30, 6, 2, 92, 13, 136, 4990, 0, 9, 316, 2159, 0, 4, 19, 164, 1456, 0, 5, 37, 920, 6393, 0, 5, 5, 1, 43, 596, 0, 6, 27, 531, 6195, 0, 5, 10, 45, 252, 2565, 0, 6, 11, 132, 1174, 0, 5, 11, 5, 2, 45, 13, 45, 2, 4, 40, 142, 1428, 5583, 0, 14, 423, 0, 3, 102, 1049, 2578, 0, 5, 5, 1, 49, 1682, 3590, 0, 7, 114, 242, 2955, 0, 5, 11, 39, 501, 1434, 3809, 0, 7, 12, 108, 1126, 5009, 0, 6, 57, 3776, 0, 4, 48, 271, 392, 2785, 0, 6, 10, 73, 306, 5131, 0, 6, 6, 1, 41, 291, 2260, 0, 7, 29, 719, 0, 4, 23, 171, 3991, 0, 5, 45, 79, 3191, 0, 5, 5, 1, 21, 615, 0, 6, 26, 333, 0, 4, 20, 77, 1061, 0, 5, 14, 91, 956, 6542, 0, 6, 15, 225, 551, 2141, 0, 6, 6, 1, 27, 134, 1965, 0, 7, 48, 67, 1010, 5230, 0, 5, 12, 83, 414, 0, 5, 30, 179, 2490, 0, 5, 5, 1, 23, 62, 618, 587, 307, 459, 3546, 1215, 0, 12, 21, 60, 249, 4324, 0, 6, 28, 227, 1537, 0, 5, 22, 315, 0, 4, 67, 42, 586, 0, 5, 9, 208, 3120, 0, 5, 5, 1, 37, 205, 0, 6, 25, 754, 5265, 0, 5, 10, 125, 821, 6736, 0, 6, 11, 154, 1381, 0, 5, 11, 5, 2, 194, 2550, 0, 7, 82, 3604, 1502, 0, 5, 10, 23, 70, 577, 0, 6, 23, 5, 8, 341, 7365, 0, 7, 18, 284, 941, 2352, 0, 6, 13, 225, 119, 1806, 0, 6, 6, 1, 59, 507, 3412, 0, 7, 19, 274, 3157, 0, 5, 29, 172, 1824, 671, 0, 6, 17, 526, 1709, 3039, 0, 6, 6, 1, 24, 742, 1181, 0, 7, 24, 5, 21, 117, 3657, 0, 7, 7, 1, 14, 171, 196, 1214, 0, 8, 62, 139, 776, 2986, 0, 6, 27, 169, 1167, 2669, 0, 6, 6, 1, 20, 196, 19, 55, 659, 5610, 0, 10, 92, 345, 5815, 0, 5, 40, 300, 2414, 0, 5, 5, 1, 20, 20, 1, 3, 302, 0, 9, 150, 372, 2156, 0, 5, 13, 98, 4084, 0, 5, 5, 1, 16, 561, 3179, 0, 7, 65, 654, 1108, 4629, 0, 6, 51, 749, 3368, 0, 5, 17, 97, 628, 3675, 1144, 4622, 0, 8, 77, 258, 6243, 0, 5, 13, 36, 887, 4856, 0, 6, 24, 103, 716, 5219, 0, 6, 6, 1, 43, 397, 5041, 0, 7, 43, 5, 21, 116, 1618, 0, 7, 7, 1, 14, 116, 7, 4, 229, 2810, 2142, 0, 11, 201, 4531, 0, 4, 9, 83, 275, 803, 4231, 0, 7, 17, 61, 1598, 0, 5, 32, 921, 3601, 3758, 0, 6, 46, 1529, 0, 4, 22, 264, 749, 82, 224, 1431, 0, 8, 76, 1440, 0, 4, 12, 288, 5310, 0, 5, 27, 156, 2010, 0, 5, 5, 1, 59, 213, 2011, 0, 7, 44, 612, 2713, 0, 5, 11, 61, 49, 433, 769, 1203, 0, 8, 34

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2 , 531, 484, 2133, 5017, 0, 7, 20, 159, 3378, 3949, 0, 6, 59, 31, 586, 315, 321, 6314, 0, 8, 21, 105, 1231, 0, 5, 34, 26 , 400, 4859, 0, 6, 19, 203, 1874, 4299, 0, 6, 6, 1, 58, 672, 4043, 0, 7, 38, 1486, 2146, 0, 5, 24, 149, 1054, 0, 5, 5, 1 , 17, 114, 492, 1371, 5113, 0, 9, 127, 665, 2262, 0, 5, 13, 174, 786, 0, 5, 5, 1, 19, 44, 90, 2128, 0, 8, 61, 89, 2215, 0, 5, 12, 117, 287, 1177, 0, 6, 54, 2049, 0, 4, 127, 33, 675, 4843, 780, 0, 7, 59, 91, 468, 5271, 0, 6, 17, 53, 709, 925 , 6700, 0, 7, 13, 48, 463, 1566, 0, 6, 13, 6, 2, 393, 5695, 0, 7, 13, 7, 2, 7, 2, 2, 1, 61, 55, 308, 1487, 0, 13, 12, 56 , 986, 0, 5, 61, 11, 157, 2459, 0, 6, 29, 375, 2375, 0, 5, 11, 10, 326, 2560, 0, 6, 11, 6, 2, 32, 220, 2725, 0, 8, 91, 68, 1504, 0, 5, 19, 102, 630, 0, 5, 5, 1, 48, 67, 488, 7365, 436, 4681, 2005, 5176, 1175, 0, 13, 53, 85, 955, 1468, 1690 , 4652, 0, 8, 31, 190, 1132, 0, 5, 25, 495, 1706, 1057, 4441, 0, 7, 82, 255, 4034, 0, 5, 12, 78, 2251, 0, 5, 5, 1, 43, 314, 3208, 0, 7, 17, 123, 1149, 0, 5, 11, 73, 644, 2657, 0, 6, 77, 354, 1748, 0, 5, 11, 11, 1, 24, 202, 3456, 0, 8, 53, 61, 110, 806, 2089, 1370, 0, 8, 8, 1, 15, 625, 0, 6, 27, 296, 3164, 0, 5, 27, 5, 2, 111, 1828, 0, 7, 50, 1771, 0, 4, 190 , 82, 72, 1677, 0, 6, 22, 335, 7137, 0, 5, 20, 291, 696, 0, 5, 5, 1, 38, 260, 1805, 0, 7, 27, 34, 285, 5509, 0, 6, 23, 568, 844, 6594, 0, 6, 6, 1, 19, 146, 1404, 0, 7, 19, 5, 27, 21, 311, 0, 7, 7, 1, 14, 107, 2582, 0, 7, 6, 39, 54, 359, 1048, 0, 7, 7, 1, 14, 14, 1, 3, 612, 475, 7276, 0, 11, 47, 1058, 6526, 0, 5, 105, 89, 391, 1131, 0, 6, 28, 108, 901, 0, 5, 11, 17, 252, 963, 7452, 0, 7 , 33, 393, 366, 2963, 0, 6, 18, 742, 704, 0, 5, 18, 5, 2, 121, 2520, 0, 7, 18, 7, 2, 7, 2, 2, 1, 54, 64, 1174, 989, 0, 13, 125, 802, 0, 4, 96, 1163, 0, 4, 4, 1, 16, 666, 0, 6, 39, 85, 186, 1984, 0, 6, 6, 1, 12, 199, 2238, 3956, 0, 8, 140, 1490, 0, 4, 23, 141, 1218, 0, 5, 55, 421, 0, 4, 9, 151, 2825, 5069, 0, 6, 26, 542, 0, 4, 10, 413, 2659, 0, 5, 19, 249, 894, 4435, 0, 6, 15, 317, 1030, 2776, 0, 6, 6, 1, 48, 407, 1187, 0, 7, 84, 1896, 2911, 0, 5, 24, 221, 2818, 0, 5, 5, 1, 17, 124, 264, 652, 6447, 0, 9, 52, 1871, 0, 4, 47, 152, 1270, 0, 5, 17, 16, 94, 5384, 0, 6, 40, 791, 6941, 0, 5, 11, 152, 16, 12, 95, 2172, 0, 8, 94, 17, 20, 348, 3418, 0, 7, 54, 135, 1698, 0, 5, 20, 10, 84, 61, 401, 0, 7, 12, 24, 62, 852, 3947, 0, 7, 7, 1, 63, 2420, 0, 6, 45, 1060, 7403, 0, 5, 25, 472, 5350, 0, 5, 5, 1, 16, 50, 406, 2310, 0, 8, 50, 5, 9, 81 , 1803, 0, 7, 30, 1035, 0, 4, 85, 168, 1374, 0, 14, 250, 3416, 0, 5, 5, 1, 29, 563, 4390, 0, 7, 21, 378, 4287, 0, 5, 11, 91, 555, 2410, 0, 6, 57, 1149, 499, 6685, 0, 6, 6, 1, 24, 77, 498, 3383, 2105, 3812, 0, 10, 91, 21, 28, 272, 1294, 0 , 7, 34, 445, 7606, 0, 5, 34, 5, 2, 249, 185, 2313, 0, 8, 75, 1754, 0, 4, 68, 599, 0, 4, 4, 1, 38, 474, 4530, 0, 7, 28, 33, 294, 3258, 0, 6, 50, 96, 265, 5514, 0, 6, 6, 1, 19, 220, 630, 620, 0, 8, 35, 394, 0, 4, 30, 107, 363, 1579, 3612, 0 , 7, 31, 446, 0, 4, 11, 92, 985, 0, 5, 61, 165, 6683, 0, 5, 5, 1, 33, 46, 878, 0, 7, 21, 86, 2391, 1833, 6911, 0, 7, 7, 1, 14, 135, 194, 1114, 0, 8, 47, 231, 1923, 0, 5, 26, 287, 768, 0, 5, 5, 1, 18, 354, 619, 6367, 0, 8, 18, 6, 74, 1486, 826, 0, 7, 32, 708, 2159, 1381, 1152, 0, 7, 7, 1, 22, 592, 3621, 0, 7, 6, 20, 235, 2966, 0, 6, 5, 35, 93, 5698, 0, 6, 6 , 1, 19, 106, 1519, 0, 7, 19, 5, 14, 66, 2784, 0, 7, 7, 1, 14, 7, 3, 458, 0, 8, 55, 365, 6253, 0, 5, 18, 60, 1246, 2376 , 0, 6, 32, 59, 832, 4479, 0, 6, 6, 1, 25, 262, 1515, 0, 7, 28, 164, 1448, 4032, 0, 6, 12, 291, 656, 4231, 1017, 0, 7, 13, 440, 4481, 0, 5, 37, 1256, 6288, 0, 5, 5, 1, 30, 165, 149, 924, 0, 8, 55, 55, 1, 9, 286, 2748, 0, 8, 8, 1, 7, 29, 273, 1633, 0, 8, 7, 6, 43, 769, 1002, 7486, 0, 8, 8, 1, 16, 317, 421, 447, 4175, 4413, 0, 10, 264, 402, 2079, 0, 5, 46, 186, 481, 1815, 3035, 0, 7, 29, 35, 129, 2447, 0, 6, 34, 270, 4162, 0, 5, 18, 107, 228, 2575, 0, 6, 11, 223, 3723, 0, 5 , 11, 5, 2, 286, 67, 865, 2621, 0, 9, 73, 817, 4117, 0, 5, 12, 107, 25, 120, 4125, 0, 7, 43, 71, 2082, 3565, 0, 6, 32, 139, 1261, 1837, 2224, 0, 7, 13, 120, 18, 47, 233, 4738, 0, 8, 85, 384, 0, 4, 274, 1318, 0, 4, 4, 1, 94, 455, 0, 6, 29, 78, 882, 0, 5, 47, 24, 368, 2748, 127, 1015, 0, 8, 27, 685, 1663, 0, 5, 13, 40, 491, 3539, 0, 6, 24, 18, 45, 453, 4721, 0, 7, 53, 877, 2114, 0, 5, 18, 11, 93, 243, 6216, 0, 7, 12, 85, 58, 1108, 1276, 0, 7, 7, 1, 56, 1011, 6342, 0, 7, 6, 34 , 130, 5103, 0, 6, 5, 28, 219, 4012, 4152, 0, 7, 13, 52, 558, 4834, 0, 6, 13, 6, 2, 132, 1654, 0, 7, 13, 7, 2, 7, 2, 2, 1, 38, 414, 778, 6174, 0, 13, 12, 53, 66, 289, 7680, 0, 7, 16, 201, 1275, 0, 5, 44, 1134, 0, 4, 117, 1127, 0, 4, 4, 1, 28, 54, 571, 6734, 0, 8, 111, 948, 0, 4, 11, 91, 483, 4188, 0, 6, 56, 82, 950, 6932, 0, 6, 6, 1, 24, 118, 2394, 0, 7, 44 , 39, 715, 0, 5, 44, 5, 2, 66, 57, 526, 1474, 0, 9, 208, 1560, 2957, 0, 5, 12, 70, 1526, 0, 5, 5, 1, 31, 461, 0, 6, 36, 1384, 0, 4, 53, 84, 627, 5562, 0, 6, 10, 278, 4479, 354, 429, 2004, 0, 8, 71, 229, 908, 6908, 0, 6, 14, 386, 0, 4, 24, 63, 637, 3791, 0, 6, 10, 24, 7, 67, 266, 0, 7, 4, 14, 18, 184, 4089, 0, 7, 7, 1, 54, 108, 851, 7668, 0, 8, 38, 143, 1946 , 0, 5, 66, 83, 1405, 0, 5, 5, 1, 18, 25, 286, 300, 1510, 0, 9, 91, 123, 980, 0, 5, 13, 162, 1003, 0, 5, 5, 1, 19, 458, 447, 361, 4370, 0, 9, 19, 7, 47, 268, 4308, 0, 7, 5, 16, 176, 2373, 2561, 4348, 0, 8, 53, 105, 917, 2423, 0, 6, 81, 698 , 0, 4, 77, 657, 6482, 0, 5, 22, 519, 4889, 0, 5, 5, 1, 44, 156, 1436, 0, 7, 35, 390, 3959, 0, 5, 11, 190, 1135, 0, 5, 5 , 1, 17, 783, 3050, 5059, 0, 8, 45, 305, 6931, 0, 5, 12, 170, 1019, 0, 5, 5, 1, 18, 98, 1587, 0, 7, 35, 35, 1, 8, 21, 619, 591, 6079, 0, 10, 146, 1136, 0, 4, 66, 124, 856, 4946, 0, 6, 76, 1505, 0, 4, 10, 15, 892, 2360, 0, 6, 10, 6, 2, 226 , 2650, 0, 7, 37, 522, 2600, 0, 5, 48, 901, 1013, 4271, 0, 6, 16, 117, 285, 1189, 6853, 0, 7, 18, 60, 577, 1763, 0, 6, 13, 152, 876, 0, 5, 24, 202, 1265, 0, 5, 5, 1, 70, 254, 0, 6, 16, 29, 426, 0, 5, 10, 52, 360, 5015, 0, 6, 11, 118, 294, 755, 7864, 0, 7, 40, 424, 3186, 0, 5, 18, 45, 118, 13, 42, 1856, 5491, 0, 9, 186, 541, 7999, 0, 5, 14, 243, 424, 20, 677 , 0, 7, 26, 716, 1670, 0, 5, 12, 138, 1153, 0, 5, 5, 1, 60, 77, 186, 26, 15, 112, 2849, 0, 11, 53, 204, 2907, 0, 5, 15, 10, 66, 135, 755, 60, 19, 230, 3699, 0, 11, 16, 81, 215, 3582, 0, 6, 76, 144, 2800, 0, 5, 22, 216, 3181, 0, 5, 5, 1, 43 , 559, 7338, 0, 7, 60, 29, 104, 2805, 0, 6, 23, 1084, 7891, 0, 5, 17, 215, 33, 814, 5378, 0, 7, 18, 99, 6485, 0, 5, 12, 78, 552, 7045, 0, 6, 23, 23, 1, 37, 176, 282, 6160, 0, 9, 110, 1411, 8226, 0, 5, 20, 107, 614, 6902, 0, 6, 20, 6, 2, 200 , 3067, 0, 7, 38, 352, 0, 4, 217, 2328, 0, 4, 4, 1, 34, 537, 6697, 0, 7, 15, 105, 314, 1476, 0, 6, 26, 122, 3926, 0, 5, 39, 463, 1596, 0, 5, 5, 1, 23, 59, 786, 1652, 0, 8, 272, 975, 2853, 0, 5, 12, 77, 148, 2262, 1669, 3875, 2278, 3744, 0, 10, 142, 1365, 0, 4, 49, 1752, 0, 4, 4, 1, 31, 476, 2773, 4963, 0, 8, 31, 6, 51, 1883, 0, 6, 4, 14, 200, 82, 529, 3400, 0, 8, 14, 7, 71, 476, 22, 156, 365, 853, 3868, 0, 11, 174, 1713, 0, 4, 22, 11, 6, 26, 81, 181, 2796, 0, 9, 126, 6441, 0 , 4, 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Van Eck Sequence

2 0, 4, 23, 90, 461, 6481, 0, 6, 18, 76, 57, 2032, 0, 6, 6, 1, 56, 96, 170, 2066, 451, 1391, 0, 10, 49, 1355, 0, 4, 26, 170, 11, 173, 1540, 9960, 0, 8, 38, 781, 1772, 3432, 9500, 4749, 0, 8, 8, 1, 30, 336, 3747, 0, 7, 86, 72, 270, 964, 0, 6, 42, 687, 1940, 0, 5, 78, 64, 1602, 0, 5, 5, 1, 23, 67, 137, 5528, 0, 8, 30, 29, 304, 9491, 0, 6, 24, 91, 467, 2779, 0, 6, 6, 1, 20, 245, 1071, 5122, 0, 8, 20, 6, 9, 186, 340, 1455, 0, 8, 8, 1, 16, 456, 895, 1404, 7536, 0, 9, 14, 152, 4294, 0, 5, 49, 93, 236, 8999, 0, 6, 26, 95, 1815, 2656, 0, 6, 6, 1, 26, 8, 29, 57, 124, 580, 3599, 0, 11, 109, 241, 4537, 0, 5, 28, 503, 12927, 0, 5, 5, 1, 21, 184, 1046, 0, 7, 106, 7006, 0, 4, 133, 1618, 7998, 0, 5, 15, 486, 4141, 0, 5, 5, 1, 21, 21, 1, 3, 2508, 0, 9, 68, 242, 5426, 0, 5, 13, 361, 5109, 0, 5, 5, 1, 16, 87, 3041, 0, 7, 40, 327, 5185, 5278, 2692, 0, 7, 7, 1, 14, 94, 3756, 0, 7, 6, 82, 700, 3948, 0, 6, 5, 27, 474, 7193, 0, 6, 6, 1, 19, 274, 6887, 0, 7, 19, 5, 14, 26, 102, 597, 1397, 11903, 0, 10, 216, 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1376, 0, 5, 11, 5, 2, 512, 3687, 0, 7, 28, 203, 91, 406, 5142, 0, 7, 7, 1, 36, 169, 1096, 4214, 0, 8, 68, 321, 3065, 0, 5, 25, 1135, 2360, 6784, 0, 6, 38, 476, 4658, 0, 5, 11, 38, 6, 8, 20, 58, 2579, 0, 9, 138, 242, 346, 5267, 0, 6, 12, 112, 1326, 8869, 0, 6, 6, 1, 45, 676, 2492, 0, 7, 51, 1746, 0, 4, 98, 1725, 10043, 0, 5, 37, 287, 215, 1259, 11164, 0, 7, 16, 166, 3434, 0, 5, 12, 34, 939, 0, 5, 5, 1, 33, 158, 3473, 5572, 0, 8, 58, 57, 446, 2765, 0, 6, 46, 1585, 0, 4, 40, 392, 4004, 0, 5, 22, 227, 985, 222, 4140, 0, 7, 40, 12, 36, 108, 954, 6055, 0, 8, 30, 534, 1473, 11522, 0, 6, 30, 6, 2, 136, 5048, 0, 7, 21, 448, 702, 0, 5, 33, 54, 282, 5721, 0, 6, 16, 72, 295, 5745, 0, 6, 6, 1, 68, 140, 7846, 0, 7, 24, 565, 7964, 0, 5, 24, 5, 2, 36, 51, 110, 950, 7172, 0, 10, 421, 7408, 0, 4, 76, 656, 7464, 0, 5, 17, 421, 10, 12, 71, 359, 976, 0, 9, 153, 2959, 0, 4, 18, 675, 8339, 3530, 0, 6, 49, 572, 5400, 0, 5, 24, 43, 227, 101, 3821, 0, 7, 55, 1430, 12060, 0, 5, 12, 33, 80, 979, 0, 6, 23, 269, 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7, 33, 243, 1111, 5960, 0, 6, 64, 893, 6362, 0, 5, 17, 291, 4080, 5873, 0, 6, 11, 188, 1277, 0, 5, 11, 5, 2, 138, 449, 0, 7, 29, 130, 1053, 0, 5, 10, 312, 123, 1830, 4012, 7573, 0, 8, 59, 1008, 13090, 0, 5, 13, 618, 9077, 0, 5, 5, 1, 59, 12, 145, 2762, 0, 8, 18, 136, 173, 706, 0, 6, 49, 327, 819, 3069, 4178, 0, 7, 44, 2568, 0, 4, 227, 176, 5727, 0, 5, 29, 53, 179, 9121, 0, 6, 22, 444, 1507, 127, 608, 688, 3921, 0, 9, 122, 174, 3219, 0, 5, 20, 218, 12281, 0, 5, 5, 1, 55, 222, 463, 3938, 1859, 0, 9, 19, 283, 1886, 0, 5, 13, 74, 1221, 5345, 0, 6, 39, 281, 5473, 0, 5, 11, 110, 332, 5025, 0, 6, 11, 6, 2, 116, 1631, 0, 7, 72, 369, 312, 112, 565, 452, 2281, 0, 9, 38, 296, 2234, 0, 5, 27, 164, 809, 0, 5, 5, 1, 57, 536, 0, 6, 30, 300, 1146, 0, 5, 10, 141, 1743, 0, 5, 5, 1, 16, 499, 8152, 0, 7, 42, 251, 3876, 0, 5, 11, 54, 210, 5534, 0, 6, 28, 662, 9744, 0, 5, 11, 11, 1, 24, 462, 4950, 6426, 0, 9, 58, 428, 901, 735, 4751, 0, 7, 32, 364, 425, 12368, 0, 6, 27, 66, 1911, 4827, 4809, 0, 7, 13, 111, 3687, 701, 929, 0, 7, 7, 1, 35, 253, 4267, 0, 7, 6, 22, 159, 3557, 0, 6, 5, 50, 429, 3633, 0, 6, 6, 1, 19, 144, 3158, 0, 7, 19, 5, 14, 299, 1393, 3733, 0, 8, 213, 3403, 0, 4, 200, 509, 2454, 0, 5, 15, 1066, 0, 4, 9, 75, 816, 1898, 0, 6, 33, 292, 2699, 817, 7942, 0, 7, 34, 682, 8632, 0, 5, 22, 57, 139, 2567, 0, 6, 18, 250, 3674, 0, 5, 11, 111, 83, 388, 15325, 0, 7, 23, 363, 2338, 10281, 0, 6, 18, 18, 1, 71, 607, 0, 7, 13, 103, 2183, 0, 5, 25, 393, 2736, 0, 5, 5, 1, 16, 165, 4300, 0, 7, 17, 341, 5686, 0, 5, 11, 42, 171, 4659, 0, 6, 35, 122, 267, 5328, 0, 6, 6, 1, 24, 165, 24, 2, 234, 6842, 0, 10, 203, 842, 12956, 0, 5, 27, 159, 137, 1265, 7572, 0, 7, 39, 264, 4411, 0, 5, 12, 341, 44, 325, 2957, 7838, 0, 8, 131, 3319, 0, 4, 122, 44, 11, 53, 328, 3636, 0, 8, 12, 20, 315, 593, 1498, 5582, 0, 8, 8, 1, 55, 317, 4668, 3893, 1077, 2720, 0, 10, 55, 8, 11, 26, 1154, 6144, 0, 8, 6, 73, 586, 3459, 0, 6, 5, 53, 38, 296, 296, 1, 28, 256, 6937, 0, 11, 22, 155, 558, 2762, 405, 3326, 0, 8, 25, 127, 377, 7249, 0, 6, 25, 6, 2, 101, 729, 14879, 0, 8, 14, 214, 957, 6042, 0, 6, 12, 71, 157, 3823, 0, 6, 6, 1, 41, 579, 6087, 0, 7, 109, 1310, 0, 4, 96, 1437, 0, 4, 4, 1, 15, 228, 2072, 3866, 0, 8, 35, 153, 788, 3363, 0, 6, 28, 68, 832, 4000, 0, 6, 6, 1, 20, 113, 2569, 0, 7, 35, 19, 271, 6443, 0, 6, 12, 54, 349, 2306, 0, 6, 6, 1, 19, 13, 215, 945, 2977, 0, 9, 269, 793, 4870, 11416, 0, 6, 14, 81, 1777, 0, 5, 118, 1219, 14524, 0, 5, 5, 1, 25, 101, 99, 3266, 0, 8, 64, 574, 1724, 0, 5, 12, 44, 177, 1772, 15000, 0, 7, 57, 287, 988, 13011, 0, 6, 36, 894, 5550, 8897, 0, 6, 6, 1, 32, 387, 1797, 0, 7, 19, 62, 1269, 12445, 0, 6, 12, 32, 12, 2, 145, 565, 473, 3157, 9552, 0, 11, 169, 1082, 0, 4, 123, 596, 3249, 0, 5, 52, 1162, 0, 4, 9, 86, 1541, 0, 5, 9, 5, 2, 28, 127, 182, 2661, 0, 9, 8, 76, 941, 7050, 5734, 2485, 1910, 0, 9, 9, 1, 60, 2487, 12307, 0, 7, 60, 5, 25, 99, 98, 764, 2592, 7408, 966, 0, 11, 54, 140, 991, 0, 5, 14, 125, 2016, 13041, 0, 6, 76, 37, 1090, 787, 5596, 10783, 0, 8, 45, 1111, 700, 1440, 4323, 0, 7, 37, 14, 22, 251, 523, 11380, 0, 8, 15, 206, 5974, 0, 5, 34, 422, 1282, 6410, 0, 6, 34, 6, 2, 81, 167, 1328, 6248, 0, 9, 71, 248, 15843, 0, 5, 20, 211, 2942, 6937, 288, 2902, 0, 8, 33, 457, 3672, 4769, 0, 6, 26, 318, 3283, 0, 5, 19, 149, 3481, 4000, 238, 5165, 0, 8, 19, 8, 2, 41, 276, 2935, 0, 8, 6, 22, 67, 1340, 10071, 0, 7, 75, 496, 6545, 0, 5, 28, 139, 483, 8261, 0, 6, 17, 442, 6797, 0, 5, 11, 118, 233, 8420, 0, 6, 11, 6, 2, 37, 100, 4227, 0, 8, 37, 5, 16, 468, 5408, 0, 7, 37, 7, 2, 15, 107, 2490, 2268, 0, 9, 93, 1661, 1464, 0, 5, 19, 66, 609, 14992, 0, 6, 33, 91, 1303, 0, 5, 11, 40, 1195, 13560, 0, 6, 11, 6, 2, 31, 900, 12607, 0, 8, 46, 1224, 0, 4, 222, 753, 9151, 0, 5, 23, 546, 11226, 0, 5, 5, 1, 209, 1932, 0, 6, 26, 124, 937, 7367, 0, 6, 6, 1, 12, 268, 1436, 3554, 0, 8, 34, 166, 1282, 172, 2217, 5297, 0, 8, 8, 1, 16, 88, 2198, 0, 7, 86, 266, 4403, 0, 5, 39, 522, 3408, 0, 5, 5, 1, 17, 126, 3637, 7321, 0, 8, 24, 553, 7272, 0, 5, 12, 44, 346, 1355, 1859, 822, 13422, 0, 9, 111, 624, 3391, 12699, 0, 6, 60, 275, 1590, 0, 5, 20, 210, 758, 1009, 0, 6, 11, 106, 1751, 0, 5, 11, 5, 2, 111, 25, 293, 10472, 0, 9, 31, 117, 1069, 13826, 0, 6, 20, 26, 99, 305, 996, 7022, 0, 8, 59, 931, 0, 4, 126, 68, 467, 1022, 3493, 0, 7, 88, 92, 1220, 0, 5, 37, 181, 7914, 0, 5, 5, 1, 88, 12, 78, 1898, 722, 0, 9, 44, 83, 699, 4518, 4767, 0, 7, 26, 44, 8, 40, 179, 942, 0, 8, 5, 24, 105, 1138, 0, 6, 59, 51, 1332, 0, 5, 10, 608, 950, 1336, 0, 6, 11, 85, 2531, 12028, 0, 6, 6, 1, 47, 2321, 1760, 15896, 0, 8, 31, 90, 2009, 0, 5, 25, 100, 258, 9881, 0, 6, 18, 743, 2850, 0, 5, 11, 30, 908, 8483, 0, 6, 11, 6, 2, 121, 1775, 7721, 0, 8, 30, 13, 542, 4466, 13064, 0, 7, 76, 405, 636, 6249, 0, 6, 19, 270, 2002, 0, 5, 32, 491, 3993, 0, 5, 5, 1, 61, 2457, 0, 6, 16, 217, 4905, 0, 5, 10, 84, 2325, 0, 5, 5, 1, 16, 12, 124, 254, 2824, 0, 9, 124, 5, 10, 16, 10, 2, 59, 109, 646, 7048, 0, 12, 17, 231, 4694, 0, 5, 15, 333, 2723, 13924, 0, 6, 42, 804, 14723, 0, 5, 11, 84, 42, 7, 73, 728, 3650, 0, 9, 37, 175, 4263, 0, 5, 14, 472, 1864, 11513, 0, 6, 25, 121, 102, 1324, 0, 6, 6, 1, 63, 2231, 14903, 0, 7, 29, 1118, 11015, 0, 5, 24, 174, 1108, 2172, 6511, 0, 7, 12, 62, 601, 14321, 0, 6, 24, 13, 127, 570, 1711, 0, 7, 13, 6, 9, 52, 591, 8476, 0, 8, 142, 5592, 0, 4, 248, 500, 2507, 0, 5, 37, 66, 408, 5901, 7542, 0, 7, 24, 31, 189, 17384, 0, 6, 28, 467, 265, 5528, 2136, 0, 7, 13, 37, 21, 1592, 0, 6, 13, 6, 2, 126, 282, 1593, 0, 8, 43, 1334, 12105, 0, 5, 39, 368, 1768, 0, 5, 5, 1, 93, 459, 4884, 0, 7, 31, 43, 18, 223, 2456, 0, 7, 7, 1, 14, 121, 115, 3423, 0, 8, 32, 199, 3003, 0, 5, 26, 291, 1302, 16799, 0, 6, 49, 1253, 5481, 0, 5, 11, 157, 836, 1356, 2786, 0, 7, 30, 240, 13296, 0, 5, 12, 124, 198, 3625, 0, 6, 23, 474, 2074, 0, 5, 11, 23, 6, 8, 43, 57, 760, 0, 9, 128, 4632, 0, 4, 123, 728, 189, 111, 398, 5212, 0, 8, 17, 217, 248, 133, 2160, 0, 7, 44, 352, 3558, 0, 5, 33, 540, 0, 4, 24, 135, 6485, 8438, 0, 6, 40, 365, 8317, 0, 5, 15, 239, 4856, 10203, 0, 6, 11, 54, 720, 1915, 0, 6, 6, 1, 107, 585, 6840, 0, 7, 39, 133, 44, 41, 646, 271, 882, 4761, 0, 10, 280, 7198, 0, 4, 44, 12, 93, 142, 198, 94, 2176, 0, 9, 81, 707, 3362, 0, 5, 47, 387, 836, 118, 645, 3806, 0, 8, 82, 1475, 0, 4, 26, 141, 1279, 0, 5, 17, 91, 619, 8709, 0, 6, 57, 113, 935, 0, 5, 11, 69, 1612, 15407, 0, 6, 11, 6, 2, 208, 8919, 7448, 0, 8, 34, 591, 256, 1031, 4910, 0, 7, 77, 3879, 11792, 0, 5, 26, 42, 328, 1086, 16505, 0, 7, 12, 74, 1382, 3993, 395, 2666, 0, 8, 27, 1127, 9000, 0, 5, 20, 539, 2889, 0, 5, 5, 1, 114, 4413, 6914, 0, 7, 25, 341, 1132, 1541, 888, 3958, 0, 8, 25, 8, 2, 60, 593, 1121, 3160, 4361, 0, 10, 122, 1138, 514, 5977, 0, 6, 74, 48, 2094, 0, 5, 35, 1022, 566, 8144, 0, 6, 11, 87, 2321, 509, 1288, 0, 7, 42, 73, 400, 5656, 0, 6, 13, 308,

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2 10142, 0, 5, 24, 197, 4451, 0, 5, 5, 1, 65, 2737, 0, 6, 16, 450, 4072, 0, 5, 10, 52, 370, 4138, 5780, 0, 7, 34, 120, 3065, 2053, 0, 6, 18, 315, 1193, 11657, 0, 6, 6, 1, 30, 287, 1026, 0, 7, 19, 519, 8923, 0, 5, 31, 335, 4196, 0, 5, 5, 1, 17, 176, 1558, 0, 7, 17, 5, 8, 105, 611, 14116, 0, 8, 5, 7, 10, 53, 1202, 0, 7, 5, 7, 2, 119, 4533, 0, 7, 5, 7, 2, 7, 2, 2, 1, 34, 65, 82, 221, 1882, 15104, 0, 15, 281, 1549, 5422, 0, 5, 19, 59, 538, 11571, 0, 6, 71, 952, 6143, 0, 5, 11, 130, 1664, 0, 5, 5, 1, 31, 72, 1556, 6416, 0, 8, 58, 1494, 14233, 0, 5, 12, 208, 233, 912, 13365, 3354, 8084, 0, 9, 283, 1603, 2695, 0, 5, 14, 423, 3191, 10813, 0, 6, 43, 380, 3409, 0, 5, 11, 43, 6, 8, 34, 71, 53, 91, 283, 24, 164, 1586, 0, 14, 24, 5, 16, 160, 2712, 0, 7, 91, 14, 9, 40, 370, 162, 3638, 12374, 0, 10, 116, 1626, 0, 4, 317, 1344, 0, 4, 4, 1, 77, 286, 6945, 0, 7, 25, 246, 3515, 0, 5, 35, 230, 8887, 0, 5, 5, 1, 17, 154, 2986, 10684, 0, 8, 60, 261, 3957, 0, 5, 12, 94, 373, 2810, 10584, 0, 7, 30, 194, 6769, 0, 5, 12, 12, 1, 26, 324, 8458, 0, 8, 25, 43, 89, 2395, 4458, 0, 7, 20, 316, 11041, 0, 5, 20, 5, 2, 172, 944, 2852, 0, 8, 20, 8, 2, 8, 2, 2, 1, 32, 544, 12912, 0, 12, 38, 1407, 0, 4, 85, 813, 0, 4, 4, 1, 15, 191, 1943, 0, 7, 40, 112, 1725, 2274, 12626, 0, 7, 7, 1, 14, 123, 522, 969, 0, 8, 38, 30, 76, 791, 7332, 0, 7, 14, 13, 319, 5135, 0, 6, 161, 5770, 0, 4, 38, 17, 111, 543, 2474, 0, 7, 17, 6, 13, 18, 304, 2039, 12510, 0, 9, 160, 167, 1190, 8462, 0, 6, 13, 13, 1, 48, 376, 13815, 0, 8, 47, 492, 3412, 10869, 0, 6, 14, 46, 1082, 1313, 15839, 0, 7, 36, 1349, 16705, 0, 5, 113, 486, 2736, 1612, 483, 1166, 13550, 0, 9, 41, 544, 109, 817, 1669, 8933, 0, 8, 35, 182, 1319, 10269, 0, 6, 35, 6, 2, 127, 758, 1026, 360, 4840, 0, 10, 218, 1882, 313, 6125, 0, 6, 14, 51, 955, 5052, 2963, 10205, 0, 8, 30, 111, 94, 195, 3956, 10160, 0, 8, 8, 1, 80, 2251, 10491, 0, 7, 67, 1236, 3680, 0, 5, 67, 5, 2, 44, 594, 0, 7, 12, 170, 2948, 15381, 0, 6, 41, 71, 292, 1741, 2622, 12875, 0, 8, 32, 188, 2023, 0, 5, 24, 295, 2361, 0, 5, 5, 1, 43, 226, 3360, 0, 7, 31, 357, 8658, 0, 5, 11, 326, 6293, 0, 5, 5, 1, 17, 158, 2109, 0, 7, 17, 5, 8, 37, 814, 9136, 0, 8, 5, 7, 10, 100, 1018, 0, 7, 5, 7, 2, 70, 3344, 0, 7, 5, 7, 2, 7, 2, 2, 1, 34, 363, 1781, 0, 12, 81, 671, 11031, 0, 5, 16, 361, 2878, 12238, 0, 6, 87, 555, 3432, 3032, 0, 6, 6, 1, 24, 82, 457, 1379, 12674, 0, 9, 173, 2072, 1623, 10481, 0, 6, 14, 149, 1380, 5808, 0, 6, 6, 1, 21, 884, 12600, 0, 7, 53, 411, 2248, 0, 5, 45, 1457, 15564, 0, 5, 5, 1, 17, 91, 409, 3146, 0, 8, 89, 344, 3889, 0, 5, 12, 69, 706, 2115, 0, 6, 35, 207, 3250, 0, 5, 11, 125, 1500, 1600, 0, 6, 11, 6, 2, 94, 195, 195, 1, 35, 18, 287, 583, 3609, 0, 14, 66, 964, 3104, 0, 5, 25, 387, 770, 0, 5, 5, 1, 19, 537, 9225, 0, 7, 71, 191, 357, 168, 6134, 0, 7, 7, 1, 14, 27, 723, 3224, 0, 8, 68, 1249, 7550, 0, 5, 26, 424, 4612, 0, 5, 5, 1, 18, 50, 1999, 0, 7, 24, 129, 3502, 0, 5, 11, 68, 23, 915, 5104, 6187, 0, 8, 30, 270, 1165, 3723, 9932, 0, 7, 20, 431, 6601, 0, 5, 20, 5, 2, 88, 1276, 9839, 0, 8, 20, 8, 2, 8, 2, 2, 1, 45, 138, 2272, 0, 12, 124, 964, 94, 107, 895, 3148, 0, 8, 16, 196, 4355, 8568, 0, 6, 120, 710, 5244, 0, 5, 37, 243, 2320, 2337, 0, 6, 11, 65, 657, 4054, 0, 6, 6, 1, 38, 430, 6693, 0, 7, 63, 1144, 11158, 0, 5, 24, 88, 61, 1230, 8354, 0, 7, 12, 51, 360, 372, 4634, 0, 7, 7, 1, 26, 116, 594, 339, 4827, 2136, 1106, 0, 11, 42, 799, 2527, 0, 5, 30, 105, 732, 0, 5, 5, 1, 21, 233, 669, 16121, 0, 8, 78, 1377, 0, 4, 487, 3671, 3670, 0, 5, 16, 87, 278, 4278, 0, 6, 69, 225, 3551, 0, 5, 11, 39, 994, 14979, 0, 6, 11, 6, 2, 121, 1113, 12273, 0, 8, 34, 318, 1666, 0, 5, 19, 207, 244, 3512, 0, 6, 17, 267, 2068, 0, 5, 11, 24, 94, 136, 2379, 0, 7, 85, 583, 242, 2869, 0, 6, 18, 199, 1142, 0, 5, 18, 5, 2, 42, 89, 288, 1715, 0, 9, 330, 15735, 0, 4, 77, 691, 15746, 0, 5, 16, 77, 6, 26, 116, 116, 1, 99, 1501, 0, 11, 46, 543, 578, 14589, 0, 6, 14, 257, 12222, 0, 5, 22, 1718, 2629, 6424, 3664, 8905, 0, 8, 82, 375, 5115, 0, 5, 13, 581, 2643, 0, 5, 5, 1, 35, 315, 905, 0, 7, 76, 631, 8135, 0, 5, 11, 42, 68, 265, 1271, 0, 7, 12, 181, 1531, 14008, 0, 6, 48, 609, 1703, 0, 5, 18, 88, 199, 94, 107, 243, 227, 2472, 0, 10, 468, 1737, 0, 4, 89, 98, 1883, 9502, 0, 6, 25, 351, 3264, 8926, 0, 6, 6, 1, 56, 2733, 7550, 332, 2440, 15035, 0, 10, 26, 103, 2244, 7440, 0, 6, 15, 718, 5369, 8046, 0, 6, 6, 1, 22, 98, 36, 648, 6153, 0, 9, 136, 160, 681, 7453, 0, 6, 14, 116, 129, 351, 45, 314, 9610, 0, 9, 15, 30, 242, 171, 2259, 0, 7, 90, 1560, 10062, 0, 5, 84, 1459, 12765, 0, 5, 5, 1, 41, 602, 12534, 0, 7, 17, 207, 213, 2368, 16471, 0, 7, 7, 1, 14, 42, 123, 768, 8352, 0, 9, 40, 783, 9931, 0, 5, 27, 426, 3658, 0, 5, 5, 1, 19, 241, 3477, 0, 7, 25, 109, 710, 358, 4767, 1657, 14796, 0, 9, 26, 102, 1493, 0, 5, 20, 397, 5849, 0, 5, 5, 1, 26, 12, 162, 933, 15145, 0, 9, 19, 33, 1321, 13714, 0, 6, 100, 621, 15762, 0, 5, 19, 11, 187, 5093, 0, 6, 11, 5, 8, 217, 1351, 0, 7, 52, 1126, 11849, 0, 5, 10, 151, 10870, 4092, 8123, 3689, 0, 8, 17, 98, 144, 2478, 3306, 0, 7, 20, 58, 1039, 17541, 0, 6, 33, 49, 1432, 0, 5, 26, 62, 1543, 0, 5, 5, 1, 69, 360, 410, 4257, 0, 8, 31, 711, 0, 4, 215, 2221, 16120, 0, 5, 16, 304, 863, 4736, 0, 6, 33, 33, 1, 24, 348, 5061, 0, 8, 23, 528, 4384, 0, 5, 19, 85, 353, 7203, 0, 6, 19, 6, 2, 347, 6235, 0, 7, 65, 482, 4048, 0, 5, 18, 271, 1396, 8953, 0, 6, 16, 43, 769, 6590, 0, 6, 6, 1, 42, 179, 1803, 10836, 0, 8, 43, 13, 327, 2769, 14988, 0, 7, 32, 801, 4500, 0, 5, 32, 5, 2, 44, 827, 8618, 0, 8, 20, 110, 2722, 14101, 0, 6, 33, 76, 341, 1333, 16475, 0, 7, 26, 112, 995, 3391, 1928, 0, 7, 7, 1, 48, 338, 18208, 0, 7, 6, 22, 289, 4682, 0, 6, 5, 40, 233, 507, 11824, 0, 7, 13, 59, 1212, 8146, 0, 6, 13, 6, 2, 54, 1501, 423, 1179, 0, 9, 209, 2034, 0, 4, 141, 1458, 9745, 0, 5, 30, 302, 5833, 0, 5, 5, 1, 49, 174, 1720, 0, 7, 36, 335, 1302, 1617, 0, 6, 34, 515, 15957, 0, 5, 17, 204, 5288, 0, 5, 5, 1, 23, 157, 1624, 0, 7, 23, 5, 8, 102, 274, 3681, 7025, 0, 9, 53, 809, 2802, 0, 5, 12, 273, 4166, 0, 5, 5, 1, 26, 107, 428, 2763, 0, 8, 24, 194, 1168, 12238, 867, 13306, 0, 8, 8, 1, 16, 170, 964, 690, 4881, 0, 9, 35, 482, 188, 958, 0, 6, 67, 984, 12540, 0, 5, 35, 11, 292, 976, 3285, 0, 7, 62, 259, 5025, 2882, 0, 6, 18, 207, 382, 4841, 0, 6, 6, 1, 39, 621, 323, 9123, 0, 8, 46, 551, 12096, 0, 5, 32, 194, 60, 1242, 0, 6, 18, 25, 375, 544, 1087, 8531, 0, 8, 19, 252, 3683, 0, 5, 19, 5, 2, 159, 2677, 0, 7, 51, 714, 12358, 0, 5, 10, 342, 7855, 0, 5, 5, 1, 49, 153, 2562, 0, 7, 17, 142, 1653, 8780, 0, 6, 43, 255, 5305, 7071, 0, 6, 6, 1, 19, 38, 764, 2423, 10412, 0, 9, 107, 129, 497, 9982, 0, 6, 14, 462, 2904, 14850, 0, 6, 6, 1, 21, 737, 5192, 0, 7, 40, 235, 10936, 0, 5, 51, 62, 114, 1607, 9705, 5204, 0, 8, 82, 633, 6294, 0, 5, 13, 241, 474, 1800, 17934, 0, 7, 25, 101, 2574, 15737, 0, 6, 37, 834, 0, 4, 245, 4018, 12456, 5764, 0, 6, 10, 93, 1735, 3271, 4999, 0, 7, 23, 218, 1187, 11283, 0, 6, 13, 36, 248, 1809, 0, 6, 6, 1, 67, 182, 1216, 4322, 0, 8, 55, 2757, 0, 4, 37, 41, 562, 18986, 0, 6, 17, 118, 1757, 4553, 0, 6, 6, 1, 24, 229, 7167, 0, 7, 43, 125, 1027, 0, 5, 78, 832, 2696, 0, 5, 5, 1, 17, 25, 79, 4545, 10097, 0, 9, 129, 128, 1878, 12718, 0, 6, 31, 471, 17063, 0, 5, 19, 147, 4592, 0, 5, 5, 1, 25, 24, 43, 39, 225, 852, 8367, 0, 11, 250, 2949, 0, 4, 69, 502, 9973, 0, 5, 19, 25, 19, 2, 211, 2531, 2225, 0, 9, 45, 668, 7120, 0, 5, 14, 173, 1150, 5025, 269, 2731, 6002, 0, 9, 14, 9, 2, 22, 413, 11426, 0, 8, 109, 627, 10719, 0, 5, 22, 10, 142, 223, 2012, 0, 7, 98, 574, 2732, 0, 5, 12, 350, 6322, 0, 5, 5, 1, 73, 1753, 0, 6, 89, 771, 0, 4, 68, 805, 18302, 0, 5, 14, 45, 60, 297, 5283, 0, 7, 32, 304, 567, 8731, 0, 6, 22, 45, 13, 175, 2176, 1920, 9026, 0, 9, 65, 550, 12923, 0, 5, 27, 704, 11570, 0, 5, 5, 1, 47, 1437, 2867, 13320, 0, 8, 77, 903, 7472, 0, 5, 12, 65, 24, 132, 4459, 0, 7, 45, 38, 292, 381, 9927, 0, 7, 7, 1, 27, 34, 463, 3289, 7430, 0, 9, 46, 370, 1645, 0, 5, 28, 2155, 0, 4, 82, 278, 1017, 7532, 0, 6, 70, 1328, 2689, 0, 5, 15, 810, 5456, 0, 5, 5, 1, 34, 33, 553, 5512, 0, 8, 61, 1092, 0, 4, 228, 3377, 0, 4, 4, 1, 41, 320, 132, 511, 5186, 0, 9, 182, 152, 4739, 0, 5, 22, 79, 679, 8431, 0, 6, 43, 281, 2236, 6407, 0, 6, 6, 1, 26, 269, 634, 14430, 0, 8, 158, 1856, 8374, 0, 5, 25, 144, 1193, 2321, 2369, 0, 7, 80, 1929, 0, 4, 49, 251, 3232, 0, 5, 16, 221, 2276, 0, 5, 5, 1, 34, 269, 34, 2, 85, 1161, 0, 10, 83, 2946, 0, 4, 24, 582, 16207, 0, 5, 18, 161, 2072, 1838, 0, 6, 58, 1232, 7390, 299, 3712, 0, 7, 46, 242, 1368, 0, 5, 18, 119, 541, 6438, 0, 9, 97, 517, 0, 4, 36, 248, 824, 0, 5, 18, 17, 137, 3623, 0, 6, 36, 11, 169, 3387, 0, 6, 6, 1, 29, 182, 121, 1607, 893, 4018, 867, 1043, 0, 12, 215, 1259, 4425, 0, 5, 29, 15, 612, 8456, 0, 6, 22, 136, 1443, 9987, 0, 6, 6, 1, 29, 14, 340, 4903, 0, 8, 130, 2362, 0, 4, 58, 83, 99, 419, 18751, 0, 7, 83, 6, 20, 1215, 13094, 0, 7, 7, 1, 26, 156, 6040, 0, 7, 6, 13, 236, 575, 6177, 0, 7, 7, 1, 14, 39, 837, 0, 7, 6, 14, 6, 2, 141, 363,

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2 1996, 10750, 0, 10, 143, 503, 4910, 2619, 0, 6, 13, 29, 62, 984, 1110, 0, 7, 23, 297, 779, 422, 3399, 0, 7, 7, 1, 37, 264, 3736, 9194, 0, 8, 77, 756, 17810, 0, 5, 102, 1182, 4370, 11473, 0, 6, 33, 376, 2215, 12766, 0, 6, 6, 1, 25, 221, 205, 4283, 0, 8, 25, 6, 9, 163, 8416, 0, 7, 39, 74, 672, 12830, 0, 6, 11, 157, 1223, 9646, 0, 6, 6, 1, 27, 404, 6475, 0, 7, 19, 326, 2122, 10912, 0, 6, 12, 160, 1590, 3244, 0, 6, 1, 19, 14, 103, 1620, 0, 8, 46, 220, 4316, 0, 5, 71, 421, 4489, 0, 5, 5, 1, 18, 209, 1308, 10497, 0, 8, 18, 6, 27, 45, 836, 2782, 0, 8, 8, 1, 16, 285, 8161, 0, 7, 53, 1275, 6137, 0, 5, 27, 18, 21, 360, 1482, 10596, 0, 8, 19, 52, 616, 8266, 0, 6, 32, 622, 0, 4, 200, 3983, 0, 4, 4, 1, 34, 310, 5301, 0, 7, 34, 5, 31, 808, 5390, 0, 7, 7, 1, 14, 81, 2173, 0, 7, 6, 30, 589, 10745, 0, 6, 5, 19, 42, 1465, 0, 6, 6, 1, 19, 7, 16, 69, 583, 1858, 5656, 2732, 992, 11044, 0, 14, 30, 25, 154, 2518, 0, 6, 19, 18, 75, 587, 13348, 0, 7, 23, 206, 3608, 0, 5, 37, 202, 5720, 0, 5, 5, 1, 37, 7, 14, 28, 577, 11536, 0, 10, 239, 2948, 2317, 10084, 0, 6, 33, 206, 26, 276, 3581, 10238, 0, 8, 108, 547, 6759, 0, 5, 28, 24, 398, 3001, 0, 6, 19, 52, 119, 378, 797, 6206, 0, 8, 19, 8, 2, 281, 467, 3125, 0, 8, 6, 17, 378, 15, 351, 1780, 9396, 0, 9, 233, 1505, 11627, 0, 5, 36, 386, 6157, 0, 5, 5, 1, 70, 986, 12966, 0, 7, 73, 1087, 1362, 0, 5, 11, 245, 1259, 386, 19, 43, 509, 2856, 14930, 0, 11, 10, 84, 1801, 0, 5, 16, 131, 4029, 16694, 0, 6, 52, 68, 988, 3846, 0, 6, 6, 1, 40, 1323, 11036, 0, 7, 40, 5, 21, 209, 237, 6233, 0, 8, 74, 293, 3493, 3468, 0, 6, 20, 396, 799, 2097, 9589, 0, 7, 21, 19, 53, 237, 20, 11, 51, 1350, 14992, 3643, 4568, 0, 13, 373, 2678, 0, 4, 224, 8712, 0, 4, 4, 1, 49, 553, 3569, 10139, 0, 8, 42, 208, 2790, 17800, 0, 6, 42, 6, 2, 130, 454, 9093, 0, 8, 14, 177, 1001, 9698, 0, 6, 12, 331, 16493, 0, 5, 73, 115, 3223, 0, 5, 5, 1, 38, 541, 540, 3154, 0, 8, 24, 175, 1187, 1368, 556, 1083, 17915, 0, 9, 154, 235, 1425, 0, 5, 21, 81, 273, 1587, 11812, 0, 7, 88, 2016, 3872, 5709, 0, 6, 45, 341, 1705, 0, 5, 18, 253, 886, 5101, 0, 6, 11, 100, 1872, 15259, 0, 6, 6, 1, 52, 147, 1341, 8692, 0, 8, 52, 6, 9, 46, 390, 1033, 0, 8, 8, 1, 16, 169, 587, 283, 2860, 0, 9, 14, 93, 735, 4395, 0, 6, 21, 61, 1027, 1400, 0, 6, 6, 1, 21, 8, 24, 85, 667, 9256, 0, 10, 202, 300, 4460, 0, 5, 64, 4055, 0, 4, 145, 4018, 614, 11668, 0, 6, 24, 21, 24, 2, 139, 3860, 0, 8, 29, 541, 120, 2340, 0, 6, 14, 51, 182, 639, 7512, 10460, 0, 8, 14, 8, 2, 21, 24, 24, 1, 52, 83, 608, 3634, 9356, 0, 14, 13, 197, 3100, 0, 5, 51, 26, 335, 1757, 1486, 5648, 0, 8, 25, 382, 1672, 0, 5, 13, 18, 129, 1083, 158, 777, 17919, 0, 9, 100, 130, 199, 1066, 4428, 0, 7, 155, 4255, 0, 4, 80, 781, 5633, 0, 5, 25, 30, 414, 7546, 0, 6, 71, 521, 11473, 591, 3248, 0, 7, 22, 695, 18655, 0, 5, 18, 42, 236, 661, 0, 6, 18, 6, 2, 81, 197, 70, 347, 1949, 0, 10, 128, 1524, 14680, 0, 5, 21, 93, 155, 50, 2514, 0, 7, 33, 420, 10526, 0, 5, 12, 254, 1021, 9388, 0, 6, 31, 508, 9028, 0, 5, 11, 209, 333, 3631, 0, 6, 11, 6, 2, 44, 1002, 12501, 0, 8, 106, 3842, 0, 4, 85, 179, 1976, 0, 5, 23, 485, 5908, 0, 5, 5, 1, 142, 1509, 11191, 0, 7, 51, 135, 3437, 0, 5, 11, 34, 556, 285, 596, 4197, 0, 8, 34, 7, 15, 448, 4937, 0, 7, 5, 16, 241, 1701, 7328, 11123, 0, 8, 15, 13, 151, 2121, 16233, 0, 7, 15, 7, 2, 64, 224, 371, 5857, 0, 9, 157, 693, 14659, 0, 5, 28, 507, 1981, 0, 5, 5, 1, 61, 262, 12638, 0, 7, 24, 210, 3931, 0, 5, 11, 61, 11, 2, 32, 635, 4962, 0, 9, 31, 115, 370, 1492, 8947, 0, 7, 21, 140, 4221, 0, 5, 21, 5, 2, 20, 435, 18761, 0, 8, 67, 1731, 0, 4, 116, 2313, 10478, 0, 5, 15, 69, 624, 3986, 0, 6, 137, 922, 0, 4, 15, 10, 179, 132, 1042, 7536, 5781, 0, 9, 48, 2068, 2511, 11284, 0, 6, 19, 477, 5034, 0, 5, 30, 230, 3168, 16316, 0, 6, 11, 72, 3261, 0, 5, 11, 5, 2, 58, 909, 11582, 0, 8, 58, 5, 8, 3, 1454, 18129, 0, 8, 5, 7, 81, 233, 591, 253, 415, 13353, 0, 10, 55, 1465, 699, 3977, 10996, 0, 7, 15, 64, 141, 902, 11518, 0, 7, 7, 1, 131, 575, 925, 5150, 0, 8, 32, 123, 2365, 0, 5, 36, 620, 9308, 0, 5, 5, 1, 18, 278, 1612, 3073, 0, 8, 18, 6, 73, 508, 253, 49, 542, 3945, 0, 10, 50, 276, 690, 2051, 0, 6, 14, 368, 3767, 0, 5, 28, 183, 11549, 0, 5, 5, 1, 34, 226, 1595, 0, 7, 58, 91, 1363, 0, 5, 11, 104, 5605, 0, 5, 5, 1, 17, 691, 2609, 0, 7, 17, 5, 8, 53, 611, 3442, 0, 8, 5, 7, 10, 51, 272, 8389, 0, 8, 8, 1, 23, 291, 3787, 0, 7, 13, 255, 2016, 546, 4239, 0, 7, 7, 1, 14, 66, 1245, 0, 7, 6, 72, 158, 418, 9017, 0, 7, 7, 1, 14, 14, 1, 3, 154, 584, 9253, 0, 11, 66, 22, 401, 6967, 0, 6, 23, 43, 723, 2910, 0, 6, 6, 1, 20, 240, 3820, 0, 7, 29, 503, 1051, 14788, 0, 6, 12, 387, 2950, 0, 5, 76, 2306, 4624, 0, 5, 5, 1, 23, 31, 279, 19554, 0, 8, 81, 196, 2871, 0, 5, 12, 23, 12, 2, 220, 984, 1076, 16496, 0, 10, 102, 1057, 9102, 0, 5, 15, 201, 1540, 6120, 0, 6, 44, 411, 3053, 9061, 0, 6, 6, 1, 40, 763, 11336, 0, 7, 63, 2880, 0, 4, 288, 2763, 2247, 0, 5, 28, 175, 689, 0, 5, 5, 1, 21, 327, 2400, 0, 7, 21, 5, 8, 63, 24, 362, 8644, 0, 9, 305, 4269, 0, 4, 30, 298, 7483, 0, 5, 16, 416, 5936, 8682, 0, 6, 51, 171, 2647, 0, 5, 11, 133, 3855, 0, 5, 5, 1, 41, 1382, 3772, 0, 7, 41, 5, 8, 41, 3, 154, 154, 1, 13, 184, 6087, 4794, 0, 14, 165, 4923, 0, 4, 46, 705, 17806, 0, 5, 21, 64, 305, 57, 3842, 507, 438, 6506, 0, 10, 119, 943, 18906, 0, 5, 15, 119, 6, 58, 257, 2832, 0, 8, 43, 183, 274, 2372, 0, 6, 11, 64, 29, 179, 399, 7983, 0, 8, 14, 47, 1971, 0, 5, 27, 1104, 0, 4, 51, 86, 4443, 0, 5, 9, 107, 2252, 0, 5, 5, 1, 73, 328, 3865, 0, 7, 86, 16, 110, 2514, 603, 1572, 0, 8, 34, 315, 2860, 772, 0, 6, 48, 437, 8197, 0, 5, 25, 662, 5188, 0, 5, 5, 1, 31, 218, 2222, 0, 7, 31, 5, 8, 26, 714, 2335, 10287, 0, 9, 51, 57, 101, 2260, 14510, 0, 7, 16, 46, 116, 496, 4633, 0, 7, 7, 1, 30, 170, 2433, 0, 7, 6, 48, 48, 1, 9, 26, 32, 420, 664, 7847, 7993, 0, 13, 151, 590, 14844, 0, 5, 46, 31, 49, 411, 242, 1465, 458, 7536, 513, 12120, 0, 12, 270, 3188, 0, 4, 112, 2594, 0, 4, 4, 1, 36, 449, 5443, 0, 7, 45, 907, 0, 4, 10, 164, 1872, 900, 4625, 0, 7, 11, 151, 44, 280, 4063, 0, 7, 7, 1, 25, 107, 138, 1616, 9141, 0, 9, 67, 584, 368, 453, 2057, 0, 7, 15, 188, 2509, 0, 5, 66, 375, 2465, 9334, 0, 6, 89, 2190, 0, 4, 45, 49, 75, 1205, 8892, 0, 7, 22, 391, 5582, 5110, 0, 6, 17, 453, 33, 767, 15638, 0, 7, 13, 102, 348, 2757, 2353, 0, 7, 7, 1, 58, 229, 2342, 17699, 0, 8, 156, 1480, 17908, 0, 5, 50, 520, 7000, 0, 5, 5, 1, 18, 537, 3350, 16297, 0, 8, 18, 6, 42, 834, 2423, 2479, 0, 8, 8, 1, 16, 171, 321, 6035, 0, 8, 7, 42, 15, 86, 227, 3046, 14954, 0, 9, 100, 892, 12828, 0, 5, 37, 1269, 4993, 0, 5, 5, 1, 27, 266, 4704, 0, 7, 25, 124, 3317, 0, 5, 11, 138, 128, 866, 11702, 0, 7, 12, 172, 3790, 0, 5, 12, 5, 2, 448, 800, 10630, 0, 8, 51, 235, 1094, 0, 5, 11, 25, 31, 202, 1020, 7525, 0, 8, 13, 113, 3704, 0, 5, 13, 5, 2, 26, 230, 708, 7154, 0, 9, 69, 743, 4597, 0, 5, 12, 40, 461, 6622, 9517, 0, 7, 52, 1007, 0, 4, 163, 1524, 927, 0, 5, 16, 105, 3316, 17739, 0, 6, 119, 376, 1552, 0, 5, 11, 54, 2042, 16456, 0, 6, 11, 6, 2, 47, 368, 209, 925, 703, 6774, 7292, 0, 12, 44, 233, 735, 1111, 5020, 0, 7, 45, 204, 2785, 14841, 0, 6, 23, 546, 625, 14170, 0, 6, 6, 1, 128, 116, 325, 5343, 0, 8, 91, 680, 0, 4, 65, 1886, 5633, 1031, 4266, 0, 7, 31, 108, 1400, 1142, 3308, 0, 7, 7, 1, 26, 103, 1567, 19712, 0, 8, 26, 6, 35, 2096, 9228, 0, 7, 14, 438, 470, 11321, 0, 6, 11, 78, 2567, 5480, 0, 6, 6, 1, 27, 181, 3261, 832, 2576, 12681, 0, 10, 323, 2770, 0, 4, 55, 813, 3944, 0, 5, 109, 2510, 0, 4, 9, 146, 6953, 0, 5, 9, 5, 2, 112, 360, 1578, 0, 8, 55, 22, 299, 1849, 0, 6, 41, 549, 0, 4, 23, 105, 147, 1253, 4520, 12554, 0, 8, 18, 270, 388, 5529, 0, 6, 18, 6, 2, 32, 420, 420, 1, 65, 108, 101, 451, 6791, 0, 14, 85, 1061, 14937, 0, 5, 49, 347, 1117, 15735, 3408, 4959, 0, 8, 33, 341, 1312, 19894, 0, 6, 31, 127, 2080, 0, 5, 19, 939, 6272, 8105, 0, 6, 11, 110, 527, 7122, 0, 6, 6, 1, 45, 177, 1388, 0, 7, 129, 1207, 15560, 0, 5, 24, 669, 3531, 0, 5, 5, 1, 17, 385, 2302, 0, 7, 17, 5, 8, 50, 366, 14140, 0, 8, 5, 7, 10, 135, 1114, 13793, 0, 8, 8, 1, 23, 106, 1144, 3605, 0, 8, 7, 15, 357, 3725, 0, 6, 53, 870, 18071, 0, 5, 26, 188, 453, 426, 3302, 0, 7, 17, 42, 376, 272, 876, 9508, 0, 8, 26, 15, 26, 2, 125, 2764, 19379, 0, 9, 164, 506, 7029, 0, 5, 29, 654, 14822, 0, 5, 5, 1, 53, 41, 164, 14, 135, 64, 667, 1376, 6477, 0, 13, 346, 2148, 7110, 0, 5, 17, 45, 110, 118, 2813, 18011, 0, 8, 45, 7, 55, 195, 3825, 0, 7, 5, 16, 338, 3152, 17219, 0, 7, 7, 1, 40, 361, 3923, 0, 7, 6, 87, 3645, 0, 5, 18, 195, 24, 135, 49, 180, 2275, 0, 9, 71, 1325, 17119, 0, 5, 14, 61, 1173, 12881, 0, 6, 24, 18, 21, 764, 2970, 0, 7, 32, 219, 6572, 0, 5, 18, 11, 184, 790, 19560, 0, 7, 12, 367, 9719, 0, 5, 12, 5, 2, 114, 2963, 4099, 0, 8, 78, 312, 5952, 0, 5, 11, 24, 38, 1572, 734, 7327, 0, 8, 13, 105, 274, 784, 19211, 0, 7, 33, 240, 967, 0, 5, 20, 972, 0, 4, 290, 7636, 0, 4, 4, 1, 97, 2135, 0, 6, 71, 82, 2659, 14268, 0, 6, 6, 1, 12, 55, 124, 529, 13084, 0, 9, 97, 19, 264, 2026, 6320, 0, 7, 41, 162, 3465, 11782, 0, 6, 21, 97, 14, 107, 674, 12421, 0, 8, 62, 2060, 0, 4, 45, 157, 1313, 4236, 0, 6, 18, 105, 72, 1065, 12844, 0, 7, 31, 306, 9327, 0, 5, 72, 10, 261, 2629, 3701, 0, 7, 12, 57, 795, 0, 5, 12, 5, 2, 117, 5238, 0, 7, 12, 7, 2, 7, 2, 2, 1, 76, 1054, 14874, 0, 12, 11, 123, 1212, 3332, 0, 6, 49, 182, 1572, 128, 495, 8694, 0, 8, 67, 740, 12559, 2773, 13193, 0, 7, 29, 258, 5180, 11744, 0, 6, 21, 88, 1694, 0, 5, 49, 26, 282, 4988, 0, 6, 11, 38, 160, 2075, 11863, 0, 7, 24, 167, 4351, 0, 5, 18, 93, 1513, 0, 5, 5, 1, 62, 110, 270, 439, 21243, 0, 9, 138, 667, 289, 2452, 6497, 0, 7, 26, 38, 33, 181, 506, 316, 4469, 0, 9, 16, 278, 1280, 0, 5, 29, 64, 311, 7337, 0, 6, 53, 321, 731, 17403, 0, 6, 1, 42, 357, 375, 814, 4250, 0, 9, 26, 35, 559, 13410, 0, 6, 14, 171, 753, 5476, 0, 6, 6, 1, 21, 93, 70, 1595, 1287, 19772, 0, 10, 157, 176, 4719, 0, 5, 48, 929, 6124, 0, 5, 5, 1, 20, 243, 3819, 0, 7, 74, 1912, 0, 4, 198, 4943, 0, 4, 4, 1, 15, 405, 5283, 3042, 0, 8, 147, 548, 0, 4, 11, 127, 507, 1084, 13459, 0, 7, 27, 605, 7414, 0, 5, 38, 105, 220, 1216, 3219, 6308, 0, 8, 24, 140, 1508, 7945, 0, 6, 72, 222, 2805, 12876, 0, 6, 6, 1, 44, 706, 4248, 15971, 0, 8, 20, 65, 574, 3120, 15433, 0, 7, 40, 402, 7126, 0, 5, 40, 5, 2, 226, 1385, 16926, 0, 8, 20, 20, 1, 29, 143, 2350, 2905, 0, 9, 128, 225, 3206, 13160, 0, 6, 42, 141, 1466, 8559, 0, 6, 6, 1, 20, 22, 647, 7456, 0, 8, 29, 26, 149, 4341, 0, 6, 13, 375, 160, 222, 71, 353, 3693, 0, 9, 35, 162, 336, 2969, 9024, 0, 7, 64, 190, 2791, 7203, 3706, 0, 7, 7, 1, 37, 906, 0, 6, 29, 35, 21, 171, 179, 1183, 17488, 0, 9, 29, 9, 2, 81, 1347, 0, 7, 21, 14, 194, 3492, 18779, 0, 7, 7, 1, 29, 16, 235, 899, 9608, 0, 9, 21, 16, 7, 11, 159, 3489, 0, 8, 75, 1031, 803, 15322, 0, 6, 46, 1115, 9483, 0, 5, 121, 2543, 0, 4, 179, 51, 929, 212, 8747, 0, 7, 27, 179, 8, 25, 932, 22198, 0, 8, 5, 20, 112, 765, 15809, 0, 7, 15, 211, 3320, 10883, 0, 6, 37, 87,

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2 557, 10907, 0, 6, 6, 1, 66, 1094, 963, 14825, 0, 8, 27, 35, 97, 448, 978, 0, 7, 27, 7, 2, 95, 3083, 0, 7, 5, 41, 468,
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0, 5, 29, 17, 701, 6479, 0, 6, 11, 47, 1009, 5766, 0, 6, 6, 1, 71, 236, 1983, 14994, 0, 8, 31, 542, 1695, 21141, 0, 6,
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, 10805, 0, 6, 64, 351, 2465, 1341, 2269, 7521, 0, 8, 36, 1393, 6593, 0, 5, 19, 71, 141, 401, 1730, 0, 7, 31, 141, 6, 23
, 933, 4181, 0, 8, 20, 64, 29, 171, 366, 956, 15952, 0, 9, 135, 841, 22454, 0, 5, 29, 12, 671, 4788, 0, 6, 25, 130, 2193
, 0, 5, 11, 59, 4012, 6870, 0, 6, 11, 6, 2, 293, 2455, 0, 7, 46, 358, 4245, 0, 5, 18, 648, 4329, 13407, 0, 6, 16, 382,
2236, 3018, 0, 6, 6, 1, 101, 1078, 18651, 0, 7, 24, 265, 4416, 0, 5, 24, 5, 2, 36, 90, 4330, 0, 8, 75, 401, 88, 704,
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, 657, 4689, 0, 7, 48, 5, 73, 198, 649, 7070, 0, 8, 25, 128, 570, 35, 419, 2970, 964, 3590, 16177, 0, 11, 127, 648, 116
, 1301, 8832, 0, 7, 26, 566, 5489, 0, 5, 29, 44, 58, 1503, 0, 6, 64, 176, 704, 101, 123, 835, 17119, 1007, 1383, 0, 11,
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7787, 0, 5, 13, 66, 548, 767, 1618, 7945, 744, 399, 1823, 0, 11, 95, 542, 432, 22525, 0, 6, 32, 1097, 0, 4, 59, 267, 496
, 1759, 0, 6, 10, 33, 344, 5010, 0, 6, 6, 1, 61, 1127, 5677, 0, 7, 61, 5, 42, 533, 10745, 2909, 0, 8, 172, 1571, 0, 4,
31, 332, 3534, 0, 5, 15, 517, 3212, 0, 5, 5, 1, 29, 85, 1353, 209, 1508, 808, 2948, 2878, 5109, 7988, 0, 14, 88, 271,
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, 75, 555, 5392, 13579, 0, 9, 97, 413, 4222, 0, 5, 34, 20, 642, 10651, 0, 6, 19, 264, 1375, 0, 5, 11, 72, 1117, 1663,
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, 7, 7, 1, 14, 213, 4957, 0, 7, 6, 14, 6, 2, 600, 9601, 0, 8, 114, 309, 11889, 0, 5, 40, 245, 3199, 0, 5, 5, 1, 25, 353
, 1132, 6094, 12418, 0, 9, 62, 189, 6268, 0, 5, 13, 481, 9149, 0, 5, 5, 1, 19, 113, 633, 4506, 0, 8, 37, 1049, 8270, 0,
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612, 3670, 5316, 0, 8, 32, 543, 5229, 0, 5, 20, 195, 481, 85, 503, 2565, 16041, 0, 9, 54, 2025, 0, 4, 187, 5018, 0, 4, 4
, 1, 71, 192, 468, 1111, 2018, 0, 9, 17, 294, 674, 1577, 19782, 0, 7, 46, 393, 7411, 0, 5, 38, 437, 2375, 7980, 0, 6, 87
, 1163, 11468, 0, 5, 11, 216, 8478, 0, 5, 5, 1, 37, 127, 634, 440, 15519, 0, 9, 37, 7, 32, 70, 1436, 6896, 0, 8, 76, 388
, 1943, 5922, 0, 6, 33, 307, 11719, 0, 5, 27, 373, 3316, 2110, 17571, 0, 7, 24, 859, 22176, 0, 5, 12, 107, 1645, 4407, 0
, 6, 23, 119, 2123, 9995, 0, 6, 6, 1, 52, 1062, 18416, 0, 7, 24, 24, 1, 8, 46, 84, 1200, 0, 9, 59, 666, 16012, 0, 5, 33
, 50, 279, 601, 1108, 386, 1031, 1295, 0, 10, 156, 470, 2075, 1590, 3666, 0, 7, 31, 483, 5907, 0, 5, 22, 1203, 16575, 0
, 5, 5, 1, 40, 259, 1127, 687, 8769, 0, 9, 41, 371, 3021, 14121, 0, 6, 62, 258, 1186, 9687, 0, 6, 6, 1, 21, 475, 9644, 0
, 7, 38, 144, 3969, 0, 5, 32, 122, 4433, 0, 5, 5, 1, 17, 168, 352, 6538, 0, 8, 83, 229, 2367, 0, 5, 12, 111, 649, 900,
2446, 0, 7, 30, 625, 2197, 11292, 0, 6, 42, 361, 1900, 8547, 0, 6, 6, 1, 32, 39, 462, 4835, 0, 8, 32, 6, 9, 72, 419, 921
, 16710, 0, 9, 6, 8, 11, 194, 1429, 9421, 0, 8, 6, 8, 2, 281, 3590, 935, 6505, 0, 9, 17, 64, 919, 12821, 0, 6, 14, 379,
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, 0, 7, 39, 96, 7538, 0, 5, 55, 574, 1614, 0, 5, 5, 1, 37, 272, 807, 13041, 7366, 0, 9, 64, 83, 143, 1607, 4039, 0, 7,
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10028, 0, 6, 62, 209, 877, 15667, 0, 6, 6, 1, 28, 704, 1045, 18689, 0, 8, 141, 534, 8451, 8251, 0, 6, 13, 482, 5119, 0,
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23, 101, 1036, 0, 7, 23, 5, 8, 45, 595, 13920, 0, 8, 5, 7, 10, 169, 169, 1, 19, 50, 43, 70, 415, 3212, 989, 16387, 0, 16
, 1275, 3968, 10903, 0, 5, 20, 215, 869, 14371, 0, 6, 52, 391, 2688, 0, 5, 11, 90, 1271, 5695, 16802, 0, 7, 37, 176,
1171, 0, 5, 12, 69, 2566, 0, 5, 5, 1, 45, 56, 746, 0, 7, 17, 270, 1962, 0, 5, 11, 29, 1035, 16255, 0, 6, 40, 383, 11845
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24, 8, 21, 396, 3826, 0, 9, 236, 1569, 0, 4, 272, 246, 6518, 0, 5, 30, 165, 171, 1423, 0, 6, 23, 129, 1464, 233, 2594,
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12, 109, 2534, 0, 5, 5, 1, 61, 761, 14461, 0, 7, 17, 109, 12, 14, 341, 2480, 0, 8, 72, 347, 2493, 0, 5, 19, 172, 1168,
5388, 0, 6, 48, 667, 2084, 11369, 0, 6, 6, 1, 32, 432, 1217, 14895, 0, 8, 25, 722, 7377, 0, 5, 25, 5, 2, 261, 2199, 0, 7
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, 1736, 0, 9, 109, 73, 941, 7774, 0, 6, 14, 77, 153, 5358, 12866, 0, 7, 42, 506, 2142, 17219, 2414, 17308, 0, 8, 42, 8,
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2828, 15042, 0, 6, 6, 1, 63, 1347, 1958, 19174, 0, 8, 33, 77, 56, 251, 1366, 0, 7, 27, 698, 15807, 0, 5, 38, 413, 986,
4098, 0, 6, 25, 116, 810, 5085, 0, 6, 6, 1, 32, 135, 1628, 0, 7, 24, 63, 38, 21, 234, 1055, 0, 8, 39, 489, 9708, 0, 5,
32, 18, 984, 3347, 0, 6, 25, 32, 7, 22, 677, 4893, 0, 8, 19, 181, 1902, 0, 5, 19, 5, 2, 104, 3486, 0, 7, 17, 206, 4211,
0, 5, 10, 374, 15379, 0, 5, 5, 1, 56, 80, 304, 4806, 0, 8, 30, 274, 2467, 0, 5, 12, 227, 2990, 0, 5, 5, 1, 18, 55, 546,
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2591, 9349, 0, 8, 98, 1008, 8635, 0, 5, 73, 252, 5628, 0, 5, 5, 1, 18, 98, 13, 88, 79, 1368, 4152, 14833, 0, 12, 114,
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, 0, 6, 27, 257, 3433, 0, 5, 27, 5, 2, 206, 201, 40, 48, 392, 9127, 0, 11, 37, 542, 1607, 710, 6100, 0, 7, 38, 166, 7885
, 0, 5, 21, 258, 707, 7347, 0, 6, 34, 1103, 1129, 0, 5, 11, 24, 72, 433, 531, 17087, 0, 8, 85, 1081, 0, 4, 159, 405,
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, 18, 5, 2, 76, 1050, 11718, 0, 8, 42, 394, 16744, 0, 5, 11, 24, 32, 309, 1241, 19423, 0, 8, 13, 166, 79, 166, 2, 23, 43
, 665, 11269, 0, 11, 18, 32, 18, 2, 10, 216, 1105, 2224, 16501, 0, 11, 11, 1, 170, 2224, 7, 53, 1178, 23761, 0, 10, 16,
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6907, 0, 9, 6, 8, 11, 71, 1214, 9144, 0, 8, 6, 8, 2, 87, 1197, 13680, 0, 8, 6, 8, 2, 8, 2, 2, 1, 38, 193, 30, 394, 129,
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0, 7, 47, 65, 1972, 0, 5, 33, 401, 1576, 21967, 0, 6, 26, 740, 2831, 15395, 0, 6, 6, 1, 33, 14, 33, 2, 113, 35, 84, 926

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2 , 0, 12, 366, 2204, 20816, 0, 5, 29, 623, 13349, 0, 5, 5, 1, 22, 390, 4507, 0, 7, 46, 1271, 883, 15977, 2120, 14940, 0,
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4378, 0, 5, 5, 1, 58, 174, 1575, 11139, 0, 8, 119, 1414, 0, 4, 29, 143, 1176, 20833, 0, 6, 61, 342, 6172, 0, 5, 22, 147
, 2862, 0, 5, 5, 1, 28, 126, 652, 15325, 8939, 0, 9, 86, 3668, 0, 4, 29, 29, 1, 14, 189, 1192, 1200, 1435, 12399, 0, 11
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4499, 0, 8, 6, 8, 2, 283, 718, 1804, 0, 8, 6, 8, 2, 8, 2, 2, 1, 38, 332, 202, 902, 4379, 0, 14, 115, 4488, 0, 4, 123,
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, 523, 8706, 0, 5, 11, 11, 1, 24, 575, 4417, 0, 8, 55, 504, 19172, 0, 5, 13, 578, 158, 4316, 5232, 0, 7, 36, 1272, 5816
, 0, 5, 12, 249, 11500, 0, 5, 5, 1, 29, 187, 1724, 8874, 0, 8, 30, 128, 2431, 20239, 0, 6, 49, 724, 0, 4, 81, 112, 331,
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, 0, 6, 6, 1, 21, 60, 2398, 1224, 8838, 0, 9, 21, 7, 109, 42, 529, 3558, 8330, 0, 9, 9, 1, 18, 39, 1077, 9285, 0, 8, 57
, 805, 6387, 0, 5, 51, 1106, 7359, 0, 5, 5, 1, 18, 18, 1, 3, 4449, 0, 9, 26, 667, 1364, 0, 5, 13, 209, 1647, 0, 5, 5, 1
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1358, 0, 4, 33, 169, 227, 1025, 0, 6, 22, 130, 460, 17376, 0, 6, 6, 1, 75, 29, 652, 1336, 9550, 0, 9, 58, 48, 336, 3452
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, 7386, 0, 6, 78, 486, 1086, 9529, 0, 6, 6, 1, 27, 135, 2517, 11157, 0, 8, 27, 6, 9, 77, 225, 249, 1597, 12629, 0, 10,
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2 548, 4415, 0, 9, 86, 60, 63, 8, 27, 132, 1615, 0, 9, 9, 1, 18, 730, 678, 1502, 14609, 0, 9, 8, 15, 105, 1359, 14692, 0, 7, 33, 237, 1687, 21633, 0, 6, 112, 711, 1079, 16142, 0, 6, 6, 1, 28, 120, 1539, 1404, 1059, 0, 9, 28, 7, 23, 983, 0, 6, 14, 68, 216, 1871, 2451, 1458, 8717, 0, 9, 15, 42, 316, 513, 6184, 0, 7, 20, 176, 2642, 0, 5, 117, 3223, 7120, 8369, 0, 6, 27, 75, 1063, 871, 23875, 0, 7, 18, 75, 7, 3, 684, 12729, 0, 8, 75, 7, 7, 1, 59, 240, 506, 3231, 18359, 0, 11, 299, 4574, 0, 4, 179, 2943, 0, 4, 4, 1, 17, 153, 858, 0, 7, 23, 72, 729, 5022, 0, 6, 47, 279, 3854, 0, 5, 58, 325, 2652, 0, 5, 5, 1, 23, 18, 53, 514, 2411, 17318, 0, 10, 293, 207, 8699, 0, 5, 14, 99, 279, 26, 840, 22052, 0, 8, 65, 202, 2354, 16356, 0, 6, 39, 188, 1415, 0, 5, 19, 225, 657, 4729, 0, 6, 11, 72, 56, 1637, 0, 6, 6, 1, 46, 280, 1356, 10433, 0, 8, 31, 459, 10476, 0, 5, 25, 375, 2486, 0, 5, 5, 1, 18, 63, 201, 2437, 25275, 0, 9, 148, 2874, 0, 4, 99, 61, 2545, 0, 5, 17, 103, 6026, 0, 5, 5, 1, 23, 87, 787, 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535, 14216, 0, 7, 17, 209, 2378, 0, 5, 11, 159, 2398, 2369, 8581, 0, 7, 12, 24, 261, 4126, 0, 6, 107, 130, 1088, 0, 5, 18, 59, 860, 14217, 0, 6, 11, 24, 17, 31, 169, 1661, 11712, 0, 9, 86, 972, 6423, 0, 5, 20, 84, 1223, 8380, 0, 6, 20, 6, 2, 216, 932, 2277, 712, 326, 413, 4061, 0, 12, 48, 626, 20921, 0, 5, 23, 185, 1834, 13929, 0, 6, 21, 179, 898, 2049, 21193, 0, 7, 67, 1283, 0, 4, 293, 871, 936, 0, 5, 22, 275, 11650, 0, 5, 5, 1, 100, 1391, 13533, 0, 7, 21, 28, 989, 4408, 0, 6, 34, 1162, 11977, 0, 5, 17, 80, 531, 522, 10739, 0, 7, 18, 95, 2152, 18293, 0, 6, 18, 6, 2, 75, 335, 7948, 3506, 0, 9, 95, 14, 164, 1143, 26969, 0, 7, 22, 52, 337, 8907, 0, 6, 20, 97, 1251, 16873, 0, 6, 6, 1, 59, 130, 136, 320, 1942, 9171, 0, 10, 288, 3512, 10242, 1146, 12501, 7877, 0, 8, 237, 1078, 3383, 16187, 0, 6, 23, 110, 2006, 0, 5, 70, 1889, 0, 4, 102, 581, 10185, 0, 5, 9, 58, 994, 10291, 0, 6, 20, 50, 1582, 728, 4720, 0, 7, 63, 934, 23029, 0, 5, 18, 84, 165, 469, 17490, 0, 7, 12, 155, 694, 28328, 0, 6, 25, 511, 8833, 0, 5, 18, 18, 1, 75, 102, 45, 552, 14171, 0, 10, 74, 489, 2487, 12079, 0, 6, 21, 142, 361, 4815, 0, 6, 6, 1, 21, 8, 82, 2938, 25921, 0, 9, 66, 810, 4255, 8051, 0, 6, 14, 129, 1802, 0, 5, 42, 1140, 0, 4, 87, 980, 3565, 20415, 0, 6, 15, 1151, 2402, 22987, 0, 6, 6, 1, 36, 765, 6207, 0, 7, 76, 314, 817, 10837, 0, 6, 12, 82, 46, 480, 14027, 0, 7, 13, 347, 4166, 9845, 0, 6, 13, 6, 2, 186, 13673, 0, 7, 13, 7, 2, 7, 2, 2, 1, 38, 658, 4704, 2060, 6661, 0, 14, 67, 252, 1580, 9307, 0, 6, 25, 116, 815, 16689, 0, 6, 6, 1, 21, 95, 213, 2974, 0, 8, 99, 1072, 17235, 0, 5, 88, 2166, 0, 4, 88, 4, 2, 40, 929, 6300, 17660, 0, 9, 112, 1272, 3435, 0, 5, 18, 147, 3634, 8207, 0, 6, 36, 94, 10343, 9145, 0, 6, 6, 1, 43, 548, 1327, 28134, 0, 8, 43, 6, 9, 28, 296, 2266, 24650, 0, 9, 6, 8, 11, 376, 837, 1695, 6182, 0, 9, 9, 1, 26, 548, 26, 2, 55, 658, 94, 39, 463, 9530, 0, 14, 95, 80, 315, 2111, 0, 6, 28, 35, 823, 9205, 0, 6, 6, 1, 26, 24, 411, 7501, 15698, 0, 9, 34, 341, 4597, 7286, 0, 6, 14, 28, 22, 315, 28, 3, 492, 11032, 0, 10, 227, 2392, 0, 4, 105, 1144, 7031, 17613, 0, 6, 20, 277, 13584, 0, 5, 104, 619, 11526, 0, 5, 5, 1, 45, 254, 8218, 0, 7, 169, 457, 2104, 0, 5, 11, 90, 1035, 4752, 0, 6, 28, 44, 1121, 11470, 0, 6, 6, 1, 24, 68, 776, 14727, 3824, 0, 9, 69, 718, 3658, 10364, 0, 6, 14, 69, 7, 35, 92, 909, 8065, 0, 9, 15, 253, 8004, 0, 5, 41, 1226, 4326, 0, 5, 5, 1, 34, 96, 2589, 0, 7, 23, 372, 3446, 0, 5, 11, 58, 363, 8963, 0, 6, 37, 762, 24458, 0, 5, 11, 11, 1, 24, 58, 14, 47, 1002, 8283, 5532, 0, 12, 278, 5087, 0, 4, 113, 1941, 22700, 0, 5, 21, 240, 1421, 0, 5, 5, 1, 25, 255, 604, 0, 7, 49, 2050, 0, 4, 21, 16, 1100, 0, 5, 15, 75, 378, 4196, 11487, 0, 7, 16, 11, 49, 18, 242, 3139, 0, 8, 216, 569, 26105, 0, 5, 20, 153, 699, 8142, 0, 6, 73, 2678, 8655, 0, 5, 11, 23, 90, 143, 900, 5223, 0, 8, 24, 78, 2128, 16838, 0, 6, 19, 675, 13426, 0, 5, 19, 5, 2, 241, 3946, 0, 7, 50, 466, 18538, 0, 5, 10, 206, 1242, 6512, 0, 6, 23, 36, 295, 4466, 12091, 0, 7, 18, 65, 771, 4189, 0, 6, 13, 370, 5801, 0, 5, 24, 47, 123, 2557, 22985, 0, 7, 18, 18, 1, 110, 525, 25026, 0, 8, 62, 1060, 17548, 0, 5, 20, 86, 675, 62, 8, 10, 49, 103, 1434, 19728, 0, 12, 148, 1449, 18058, 0, 5, 17, 618, 13190, 0, 5, 5, 1, 34, 193, 776, 227, 276, 8205, 0, 10, 26, 304, 4678, 3106, 17753, 0, 7, 52, 610, 13740, 0, 5, 21, 155, 541, 2730, 0, 6, 75, 155, 6, 3, 307, 5478, 0, 8, 53, 837, 364, 3296, 0, 6, 11, 139, 4825, 0, 5, 25, 189, 4020, 0, 5, 5, 1, 52, 37, 230, 923, 4157, 2145, 19001, 0, 11, 20, 85, 4504, 0, 5, 15, 196, 1150, 10027, 0, 6, 32, 903, 1857, 0, 5, 11, 17, 85, 17, 2, 159, 812, 3748, 0, 10, 79, 4472, 17036, 0, 5, 15, 26, 85, 15, 3, 67, 502, 10077, 0, 10, 15, 7, 89, 1065, 7163, 0, 7, 5, 18, 146, 3565, 574, 3767, 8308, 0, 9, 323, 5202, 0, 4, 257, 2279, 0, 4, 4, 1, 76, 573, 9939, 0, 7, 24, 177, 1383, 2505, 0, 6, 67, 42, 608, 8709, 11924, 0, 7, 13, 195, 1451, 23980, 0, 6, 13, 6, 2, 73, 259, 5278, 14151, 0, 9, 43, 503, 5684, 18023, 0, 6, 13, 15, 66, 648, 6373, 19244, 0, 8, 141, 3204, 19886, 0, 5, 70, 735, 7704, 0, 5, 5, 1, 59, 769, 10610, 0, 7, 46, 629, 2524, 0, 5, 11, 120, 1406, 4394, 0, 6, 36, 264, 5116, 0, 5, 11, 11, 1, 24, 78, 302, 2576, 7661, 0, 10, 116, 616, 1379, 11334, 0, 6, 21, 204, 2087, 2959, 13741, 0, 7, 39, 546, 3167, 0, 5, 28, 471, 10241, 0, 5, 5, 1, 32, 171, 2236, 6557, 0, 8, 74, 749, 1498, 13075, 0, 6, 31, 959, 0, 4, 132, 1924, 0, 4, 4, 1, 22, 546, 34, 267, 2116, 3218, 14587, 0, 11, 64, 1058, 18959, 0, 5, 37, 226, 7078, 0, 5, 5, 1, 21, 62, 308, 4361, 11990, 0, 9, 132, 34, 27, 1104, 2359, 0, 7, 69, 513, 1907, 0, 5, 20, 244, 1998, 0, 5, 5, 1, 26, 219, 3235, 0, 7, 17, 237, 884, 3064, 0, 6, 68, 549, 5549, 0, 5, 17, 11, 56, 1541, 12044, 0, 7, 18, 225, 1835, 0, 5, 12, 353, 2053, 11979, 0, 6, 23, 408, 2076, 16711, 0, 6, 6, 1, 42, 214, 13117, 0, 7, 24, 148, 372, 548, 683, 19004, 0, 8, 118, 1252, 1493, 10930, 0, 6, 20, 68, 51, 1751, 12661, 0, 7, 21, 94, 697, 17765, 0, 6, 13, 219, 74, 139, 348, 6985, 0, 8, 27, 99, 780, 22243, 0, 6, 14, 567, 10299, 0, 5, 65, 459, 1885, 28351, 0, 6, 11, 82, 850, 2703, 0, 6, 6, 1, 65, 14, 20, 48, 1097, 6496, 0, 10, 209, 1162, 1057, 1217, 5290, 23806, 0, 8, 41, 635, 8788, 0, 5, 35, 651, 6536, 0, 5, 5, 1, 28, 211, 7099, 0, 7, 72, 1945, 23397, 0, 5, 11, 46, 266, 3431, 15175, 0, 7, 12, 124, 1496, 20400, 0, 6, 52, 418, 8593, 0, 5, 18, 140, 1858, 9417, 0, 6, 11, 24, 123, 525, 517, 3708, 0, 8, 54, 1604, 0, 4, 229, 3052, 0, 4, 4, 1, 52, 29, 1241, 4892, 0, 8, 16, 628, 6197, 7076, 0, 6, 30, 2603, 0, 4, 17, 187, 2327, 0, 5, 45, 771, 574, 409, 3563, 0, 7, 63, 1060, 556, 1390, 19188, 0, 7, 7, 1, 37, 257, 415, 5582, 6700, 22374, 0, 10, 117, 2141, 22848, 0, 5, 29, 49, 568, 16995, 0, 6, 44, 789, 19887, 0, 5, 11, 79, 474, 1794, 10354, 0, 7, 32, 324, 6235, 11007, 0, 6, 18, 98, 3734, 0, 5, 18, 5, 2, 426, 2872, 23754, 0, 8, 81, 3314, 0, 4, 75, 564, 1980, 1746, 14241, 0, 7, 30, 86, 621, 10813, 12116, 0, 7, 7, 1, 70, 426, 26, 296, 947, 0, 9, 320, 1192, 4587, 13927, 0, 6, 46, 161, 2769, 11028, 0, 6, 6, 1, 21, 247, 3379, 0, 7, 27, 238, 10042, 0, 5, 57, 1390, 108, 4849, 0, 6, 17, 128, 4427, 0, 5, 11, 88, 1025, 3314, 64, 378, 781, 9178, 0, 10, 114, 1839, 18168, 0, 5, 15, 495, 7672, 6429, 0, 6, 26, 61, 1890, 24474, 0, 6, 6, 1, 50, 750, 15052, 0, 7, 50, 5, 21, 57, 48, 264, 483, 2458, 2622, 2521, 0, 12, 229, 201, 2161, 0, 5, 15, 36, 497, 10839, 0, 6, 29, 156, 6095, 0, 5, 11, 62, 424, 10186, 0, 6, 11, 6, 2, 138, 1670, 21094, 0, 8, 138, 5, 16, 221, 1544, 0, 7, 49, 181, 2662, 0, 5, 10, 79, 176, 1633, 18962, 0, 7, 12, 50, 62, 34, 452, 3486, 5434, 23383, 0, 10, 16, 27, 122, 2826, 0, 6, 41, 324, 192, 6267, 0, 6, 6, 1, 90, 864, 3278, 0, 7, 29, 67, 634, 4519, 23689, 0, 7, 7, 1, 14, 361, 1274, 14586, 0, 8, 63, 260, 1641, 0, 5, 56, 462, 6091, 0, 5, 5, 1, 18, 221, 73, 646, 12628, 0, 9, 193, 805

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2 , 3268, 0, 5, 13, 425, 13835, 0, 5, 5, 1, 19, 898, 1481, 25472, 0, 8, 37, 288, 1399, 24774, 0, 6, 64, 178, 2975, 0, 5, 18, 36, 136, 1417, 0, 6, 11, 125, 1731, 9170, 0, 6, 6, 1, 31, 594, 5817, 3489, 7544, 0, 9, 50, 112, 1224, 4404, 16122, 0 , 7, 83, 2776, 22225, 0, 5, 33, 2179, 16633, 0, 5, 5, 1, 26, 206, 943, 2757, 8577, 0, 9, 26, 7, 21, 200, 5807, 0, 7, 5, 16, 137, 1656, 0, 6, 47, 938, 16727, 0, 5, 10, 148, 541, 880, 17853, 0, 7, 18, 72, 456, 14997, 0, 6, 18, 6, 2, 197, 2738 , 25579, 0, 8, 97, 1510, 21518, 0, 5, 26, 44, 372, 567, 528, 4342, 0, 8, 13, 123, 452, 189, 891, 18255, 0, 8, 8, 1, 69, 644, 4336, 0, 7, 42, 595, 6008, 0, 5, 28, 507, 7806, 0, 5, 5, 1, 17, 318, 1905, 20085, 0, 8, 24, 485, 9402, 0, 5, 12, 229, 279, 1890, 304, 967, 8101, 0, 9, 99, 586, 13782, 0, 5, 14, 205, 4202, 17712, 0, 6, 77, 3193, 0, 4, 406, 1911, 14014 , 0, 5, 15, 302, 789, 447, 20642, 0, 7, 59, 821, 23236, 0, 5, 12, 41, 255, 1158, 18933, 0, 7, 12, 7, 2, 107, 1741, 12233 , 0, 8, 61, 358, 7353, 0, 5, 20, 612, 5629, 0, 5, 5, 1, 79, 303, 1977, 0, 7, 23, 699, 1154, 13853, 0, 6, 59, 43, 891, 115, 4913, 0, 7, 13, 124, 594, 210, 2160, 12934, 0, 8, 38, 1478, 0, 4, 74, 682, 14015, 0, 5, 36, 239, 2481, 0, 5, 5, 1, 42, 133, 3448, 0, 7, 29, 315, 1368, 5639, 0, 6, 42, 11, 253, 1299, 2246, 0, 7, 13, 42, 8, 37, 279, 130, 1686, 0, 9, 128 , 465, 17162, 0, 5, 33, 246, 6058, 0, 5, 5, 1, 39, 890, 17451, 0, 7, 26, 200, 242, 1247, 25531, 0, 7, 7, 1, 14, 149, 3437, 9558, 0, 8, 38, 75, 552, 1647, 4643, 0, 7, 14, 13, 49, 419, 6441, 18250, 0, 8, 15, 155, 1130, 18049, 0, 6, 69, 218 , 3351, 0, 5, 47, 272, 2123, 6593, 7551, 0, 7, 26, 48, 489, 1675, 0, 6, 18, 267, 913, 20755, 0, 6, 6, 1, 53, 1154, 142, 1683, 0, 8, 38, 53, 7, 23, 152, 3249, 13809, 0, 9, 94, 822, 13512, 0, 5, 41, 194, 4857, 0, 5, 5, 1, 27, 461, 5545, 18666 , 0, 8, 27, 6, 36, 148, 323, 1107, 19952, 0, 9, 27, 9, 2, 210, 172, 6109, 0, 8, 17, 277, 1501, 11580, 0, 6, 21, 360, 8666, 0, 5, 35, 809, 11531, 0, 5, 5, 1, 41, 48, 82, 846, 2315, 0, 9, 31, 414, 9782, 0, 5, 13, 119, 3848, 0, 5, 5, 1, 19 , 457, 1521, 2501, 0, 8, 43, 229, 309, 3217, 5933, 0, 7, 91, 4218, 0, 4, 222, 2494, 16133, 0, 5, 23, 100, 1939, 17534, 0 , 6, 59, 252, 1708, 0, 5, 11, 214, 954, 14899, 0, 6, 11, 6, 2, 84, 1844, 0, 7, 33, 207, 2303, 0, 5, 18, 146, 1216, 8166 , 0, 6, 16, 442, 13782, 351, 2397, 27375, 0, 8, 59, 37, 238, 709, 10712, 0, 7, 26, 173, 4455, 0, 5, 26, 5, 2, 38, 161, 736, 10874, 0, 9, 98, 787, 2805, 8188, 0, 6, 35, 118, 1001, 7632, 0, 6, 6, 1, 100, 77, 384, 7978, 0, 8, 41, 125, 540, 10092, 0, 6, 13, 119, 119, 1, 16, 59, 52, 894, 14039, 0, 11, 83, 535, 2139, 27690, 0, 6, 17, 166, 2336, 0, 5, 55, 1727, 4395, 2815, 0, 6, 11, 18, 90, 650, 16266, 0, 7, 75, 280, 2908, 17393, 0, 6, 13, 41, 48, 173, 83, 34, 687, 6057, 0, 10, 537, 9112, 0, 4, 150, 3838, 0, 4, 4, 1, 57, 763, 3140, 0, 7, 31, 190, 6607, 0, 5, 49, 308, 1171, 3603, 19665, 0, 7, 12, 445, 19527, 0, 5, 12, 5, 2, 118, 105, 1743, 14542, 0, 9, 118, 6, 53, 286, 3377, 10838, 0, 8, 106, 3525, 0, 4, 44, 564, 901, 14523, 0, 6, 16, 106, 11, 84, 183, 5756, 7168, 16223, 0, 10, 69, 345, 18156, 0, 5, 40, 1885, 1106, 5033, 0, 6, 21, 274, 6183, 0, 5, 11, 24, 557, 5560, 0, 6, 11, 6, 2, 59, 140, 1057, 1105, 5905, 0, 10, 32, 972, 2237, 0, 5, 21, 26, 193, 740, 5719, 0, 7, 86, 953, 0, 4, 64, 725, 0, 4, 4, 1, 113, 1717, 0, 6, 34, 132, 1273, 20950, 0, 6, 6, 1, 12, 103, 1591, 0 , 7, 27, 348, 1189, 22026, 0, 6, 12, 11, 56, 794, 4179, 0, 7, 13, 163, 5352, 0, 5, 52, 203, 3472, 0, 5, 5, 1, 30, 1006, 20479, 0, 7, 17, 204, 1384, 22277, 0, 6, 30, 11, 30, 2, 86, 67, 846, 361, 839, 18147, 0, 12, 41, 197, 711, 3266, 14296, 0, 7, 25, 1588, 6786, 0, 5, 36, 415, 1101, 0, 5, 5, 1, 42, 544, 11841, 0, 7, 17, 42, 6, 39, 532, 3029, 0, 8, 171, 1414, 5669, 0, 5, 19, 388, 7118, 0, 5, 5, 1, 25, 37, 330, 11359, 0, 8, 18, 260, 889, 17527, 0, 6, 29, 595, 733, 3065, 13323, 0 , 7, 39, 36, 52, 95, 2002, 13831, 0, 8, 21, 153, 1807, 24200, 0, 6, 21, 6, 2, 88, 1057, 173, 277, 470, 4631, 21448, 0, 12, 89, 1611, 15969, 0, 5, 51, 1345, 17680, 0, 5, 5, 1, 57, 279, 624, 10046, 0, 8, 36, 43, 453, 2525, 0, 6, 34, 174, 5340, 0, 5, 18, 68, 1371, 4290, 0, 6, 11, 135, 2946, 11033, 0, 6, 6, 1, 31, 305, 2898, 0, 7, 74, 693, 10142, 13431, 0, 6 , 12, 55, 361, 150, 330, 101, 3458, 0, 9, 299, 3343, 0, 4, 222, 490, 17878, 0, 5, 43, 53, 307, 1759, 7857, 0, 7, 31, 36 , 62, 1051, 3207, 4943, 8667, 0, 9, 25, 133, 721, 21464, 0, 6, 40, 297, 4362, 0, 5, 27, 236, 3034, 15607, 0, 6, 11, 70, 1215, 10996, 10071, 14288, 0, 8, 95, 136, 992, 10767, 0, 6, 14, 686, 2659, 8941, 0, 6, 6, 1, 84, 342, 4864, 0, 7, 53, 59 , 316, 3456, 16352, 0, 7, 7, 1, 14, 22, 1592, 13837, 0, 8, 34, 123, 928, 0, 5, 53, 20, 835, 2843, 0, 6, 32, 334, 5595, 0 , 5, 11, 58, 2047, 6505, 7152, 0, 7, 30, 269, 11175, 0, 5, 12, 121, 5826, 0, 5, 5, 1, 41, 271, 2662, 1166, 13187, 0, 9, 101, 130, 800, 3260, 0, 6, 37, 239, 835, 43, 126, 3147, 19687, 0, 9, 15, 763, 471, 1684, 17277, 0, 7, 41, 29, 245, 7556 , 0, 6, 22, 75, 511, 2448, 0, 6, 6, 1, 43, 27, 127, 4259, 0, 8, 84, 104, 2205, 0, 5, 55, 181, 1220, 14199, 0, 6, 18, 213 , 2347, 0, 5, 11, 84, 17, 314, 2409, 0, 7, 43, 29, 43, 2, 267, 792, 4842, 0, 9, 59, 130, 74, 217, 4574, 3546, 24252, 0, 9, 9, 1, 49, 531, 2613, 0, 7, 25, 191, 3045, 0, 5, 37, 89, 285, 10416, 0, 6, 48, 575, 3952, 0, 5, 11, 48, 6, 8, 68, 269 , 129, 2488, 0, 10, 481, 5093, 12551, 0, 5, 15, 106, 528, 1097, 1605, 30318, 0, 8, 19, 370, 2082, 22913, 0, 6, 26, 494, 3802, 5779, 0, 6, 6, 1, 58, 168, 7379, 0, 7, 58, 5, 29, 84, 92, 2266, 2394, 22759, 0, 10, 42, 411, 2357, 6011, 0, 6, 22 , 136, 240, 2220, 0, 6, 6, 1, 29, 22, 9, 91, 791, 13434, 0, 10, 22, 7, 34, 224, 5972, 0, 7, 5, 38, 737, 12218, 0, 6, 22 , 13, 507, 1144, 2368, 12703, 0, 8, 72, 1197, 6161, 0, 5, 18, 153, 413, 2791, 8853, 0, 7, 26, 78, 1906, 0, 5, 12, 232, 5851, 20258, 0, 6, 31, 334, 255, 1115, 8813, 0, 7, 18, 25, 142, 947, 1528, 0, 7, 7, 1, 68, 130, 166, 741, 4891, 0, 9, 72 , 46, 1533, 0, 5, 34, 70, 336, 3088, 17079, 0, 7, 20, 295, 2224, 6527, 0, 6, 41, 243, 4339, 11906, 0, 6, 6, 1, 33, 856, 20157, 0, 7, 19, 149, 1047, 7745, 0, 6, 12, 66, 2020, 0, 5, 37, 194, 985, 15793, 0, 6, 11, 189, 1263, 0, 5, 11, 5, 2, 234, 6925, 0, 7, 29, 135, 461, 997, 7887, 0, 7, 7, 1, 43, 249, 4420, 0, 7, 6, 27, 285, 226, 1948, 18030, 0, 8, 128, 1124 , 17320, 0, 5, 32, 365, 3978, 0, 5, 5, 1, 25, 109, 3472, 649, 7567, 0, 9, 101, 348, 674, 7752, 0, 6, 32, 20, 96, 2452, 9212, 0, 7, 40, 456, 1357, 0, 5, 26, 153, 160, 5653, 0, 6, 18, 141, 2102, 26047, 0, 6, 6, 1, 39, 595, 602, 6780, 0, 8, 57, 563, 11785, 0, 5, 25, 50, 1440, 5120, 0, 6, 18, 25, 7, 39, 20, 46, 154, 3215, 0, 10, 227, 2308, 20794, 0, 5, 21, 613 , 11869, 0, 5, 5, 1, 39, 19, 142, 188, 3830, 0, 9, 78, 212, 4686, 0, 5, 13, 237, 2018, 7840, 0, 6, 40, 76, 2214, 0, 5, 11, 142, 22, 251, 6033, 0, 7, 49, 364, 2318, 0, 5, 12, 170, 6722, 0, 5, 5, 1, 42, 303, 1325, 9555, 0, 8, 81, 1785, 22071 , 0, 5, 12, 18, 76, 36, 584, 4517, 18609, 0, 9, 55, 434, 8299, 0, 5, 14, 534, 7524, 0, 5, 5, 1, 32, 139, 2009, 14580, 0 , 8, 32, 6, 64, 850, 1993, 28546, 0, 8, 8, 1, 16, 916, 8338, 0, 7, 65, 1999, 13410, 9329, 0, 6, 19, 100, 1050, 6830, 0, 6, 6, 1, 19, 8, 22, 86, 817, 2879, 0, 10, 129, 424, 1729, 0, 5, 49, 92, 390, 6341, 0, 6, 20, 146, 1125, 18947, 0, 6, 6, 1, 27, 233, 7390, 11726, 0, 8, 31, 337, 3060, 0, 5, 25, 168, 423, 12811, 0, 6, 18, 99, 1496, 2012, 12414, 0, 7, 65, 65, 1, 27, 27, 1, 3, 2393, 0, 10, 53, 626, 3168, 10782, 0, 6, 23, 1202, 14092, 0, 5, 34, 348, 252, 1202, 7, 26, 239, 599, 3944, 9949, 0, 12, 139, 118, 1038, 20510, 0, 6, 23, 23, 1, 36, 146, 764, 547, 11413, 0, 10, 39, 209, 2106, 4915, 0, 6, 16 , 125, 1157, 8343, 0, 6, 6, 1, 21, 230, 2493, 5862, 0, 8, 87, 3016, 6633, 0, 5, 53, 64, 153, 288, 1735, 4266, 10052, 0, 9, 181, 614, 11170, 0, 5, 14, 181, 6, 29, 363, 2756, 18415, 0, 9, 14, 9, 2, 376, 2913, 0, 7, 78, 257, 2051, 10788, 0, 6 , 19, 161, 1238, 20284, 0, 6, 6, 1, 55, 216, 2717, 0, 7, 19, 13, 272, 1440, 312, 5196, 0, 8, 62, 818, 0, 4, 836, 11636, 0, 4, 4, 1, 23, 101, 373, 8069, 0, 8, 16, 92, 185, 3301, 3777, 0, 7, 31, 172, 1404, 4267, 15641, 0, 7, 7, 1, 22, 212, 316, 799, 11426, 12597, 0, 10, 122, 1899, 28713, 0, 5, 88, 953, 1108, 8056, 19768, 0, 7, 21, 120, 2469, 0, 5, 12, 156, 1966, 0, 5, 5, 1, 32, 275, 3326, 15460, 0, 8, 54, 2195, 0, 4, 65, 204, 1080, 0, 5, 16, 63, 1907, 2393, 206, 1821, 18815 , 0, 9, 120, 35, 1336, 5354, 0, 6, 108, 2069, 17315, 0, 5, 20, 262, 11080, 0, 5, 5, 1, 42, 355, 12137, 0, 7, 59, 747, 16156, 0, 5, 11, 384, 1354, 18080, 0, 6, 28, 1782, 0, 4, 52, 1049, 8337, 19696, 0, 6, 10, 93, 3730, 0, 5, 21, 85, 2658, 0, 5, 5, 1, 38, 666, 8162, 0, 7, 38, 5, 8, 82, 1508, 8790, 0, 8, 5, 7, 10, 27, 287, 13817, 0, 8, 8, 1, 23, 157, 6522, 0 , 7, 13, 179, 3450, 5421, 0, 6, 46, 486, 5010, 4531, 24810, 0, 7, 13, 13, 1, 21, 51, 1083, 9283, 0, 9, 106, 782, 19451, 0, 5, 41, 644, 1869, 20607, 0, 6, 27, 45, 2300, 0, 5, 11, 94, 1622, 29124, 0, 6, 11, 6, 2, 250, 5142, 16538, 0, 8, 58, 786, 5390, 11809, 0, 6, 12, 173, 1137, 16593, 0, 6, 6, 1, 50, 556, 2324, 0, 7, 58, 19, 252, 353, 2519, 0, 7, 7, 1, 14, 286, 1385, 9665, 0, 8, 34, 368, 5734, 15459, 0, 6, 27, 59, 154, 573, 2752, 0, 7, 20, 172, 248, 5219, 24932, 0, 7, 7, 1, 28, 158, 6702, 0, 7, 6, 22, 254, 3151, 29564, 0, 7, 7, 1, 14, 42, 189, 710, 7381, 18298, 0, 10, 142, 569, 3031, 0, 5, 97 , 2000, 0, 4, 185, 293, 3579, 12631, 0, 6, 31, 294, 6006, 0, 5, 15, 911, 5159, 0, 5, 5, 1, 35, 240, 874, 5626, 0, 8, 77 , 1573, 0, 4, 28, 59, 75, 1022, 14642, 0, 7, 53, 403, 8504, 0, 5, 23, 184, 5459, 0, 5, 5, 1, 29, 398, 4834, 23746, 0, 8 , 29, 6, 49, 535, 1582, 3520, 0, 8, 8, 1, 16, 295, 825, 7595, 0, 8, 7, 35, 52, 256, 5334, 0, 7, 6, 22, 102, 3509, 0, 6, 5, 37, 815, 3406, 0, 6, 6, 1, 27, 137, 2125, 0, 7, 19, 162, 4759, 0, 5, 17, 1061, 10404, 0, 5, 5, 1, 17, 7, 14, 126, 1121, 3269, 0, 10, 124, 1981, 11413, 513, 2742, 0, 7, 13, 247, 2420, 24324, 0, 6, 39, 521, 11567, 0, 5, 27, 43, 839, 1438, 25579, 2144, 0, 8, 72, 915, 14047, 0, 5, 13, 24, 1548, 4067, 0, 6, 24, 5, 8, 14, 46, 289, 4019, 0, 9, 278, 3246, 0 , 4, 137, 74, 564, 1600, 14147, 0, 7, 50, 245, 1170, 18597, 0, 6, 26, 594, 2044, 0, 5, 29, 130, 964, 9319, 0, 6, 11, 284 , 12815, 7532, 12944, 0, 7, 24, 44, 1631, 16225, 0, 6, 13, 56, 1542, 0, 5, 24, 11, 19, 114, 2477, 27865, 0, 8, 60, 4809 , 16156, 415, 1504, 24917, 0, 8, 8, 1, 118, 633, 8752, 7460, 0, 8, 7, 36, 632, 16942, 0, 6, 35, 167, 7695, 0, 5, 35, 5, 2, 337, 704, 8310, 0, 8, 19, 41, 363, 602, 892, 5705, 0, 8, 8, 1, 35, 18, 710, 276, 3184, 0, 9, 106, 384, 462, 2401, 0, 6, 36, 41, 23, 235, 6113, 0, 7, 48, 1194, 0, 4, 119, 1820, 6467, 0, 5, 45, 394, 7485, 0, 5, 5, 1, 36, 23, 22, 221, 2424 , 20184, 0, 10, 189, 319, 6925, 1023, 5626, 287, 459, 2829, 7279, 0, 11, 106, 48, 36, 21, 441, 18134, 0, 8, 64, 690, 11449, 0, 5, 33, 1076, 11307, 0, 5, 5, 1, 39, 207, 1939, 1963, 0, 8, 18, 80, 3576, 0, 5, 12, 427, 6126, 0, 5, 5, 1, 18,

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2 12, 8, 15, 345, 1774, 29913, 0, 11, 47, 2120, 5344, 0, 5, 15, 11, 7, 90, 1878, 13305, 0, 8, 19, 125, 762, 3478, 22760, 0, 7, 12, 28, 355, 588, 22506, 0, 7, 7, 1, 38, 553, 7903, 0, 7, 6, 124, 282, 5144, 6678, 0, 7, 7, 1, 14, 250, 498, 19629, 0, 8, 36, 94, 512, 17050, 0, 6, 20, 457, 2067, 22432, 0, 6, 6, 1, 20, 8, 16, 364, 999, 26742, 0, 10, 129, 918, 18826, 0, 5, 71, 5441, 0, 4, 158, 472, 7482, 0, 5, 9, 181, 801, 13776, 0, 6, 29, 270, 8376, 0, 5, 11, 90, 89, 1385, 518, 19221, 0, 8, 39, 131, 4436, 0, 5, 13, 269, 1382, 11365, 0, 6, 24, 270, 24, 2, 236, 1591, 1832, 17693, 0, 10, 54, 728, 3950, 0, 5, 21, 174, 1678, 29365, 0, 6, 21, 6, 2, 20, 76, 1049, 687, 1995, 6371, 0, 11, 50, 337, 265, 4271, 19983, 0, 7, 112, 2584, 19756, 0, 5, 29, 68, 1303, 15850, 0, 6, 27, 394, 238, 2112, 19388, 0, 7, 18, 181, 87, 909, 3671, 14315, 0, 8, 76, 40, 1127, 8837, 0, 6, 21, 50, 40, 7, 18, 18, 1, 130, 371, 8843, 0, 12, 177, 3351, 2322, 0, 5, 44, 368, 618, 3498, 0, 6, 23, 274, 1978, 21937, 0, 6, 6, 1, 24, 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Van Eck Sequence

2 22, 359, 12085, 0, 9, 40, 1049, 4751, 21208, 0, 6, 28, 577, 12087, 0, 5, 46, 523, 1517, 36385, 0, 6, 11, 204, 5507, 0, 5, 11, 5, 2, 235, 503, 2679, 0, 8, 102, 3667, 0, 4, 140, 3069, 10216, 0, 5, 15, 244, 865, 29115, 0, 6, 28, 39, 60, 313, 366, 12382, 0, 8, 23, 397, 2149, 2228, 31235, 0, 7, 68, 1528, 6100, 12709, 0, 6, 21, 130, 2607, 26151, 0, 6, 6, 1, 81, 424, 2698, 0, 7, 19, 467, 869, 2026, 4423, 0, 7, 7, 1, 14, 95, 470, 6558, 0, 8, 41, 624, 1704, 25542, 0, 6, 27, 166, 2520, 29722, 0, 6, 6, 1, 20, 167, 466, 3712, 17552, 0, 9, 115, 1847, 35012, 0, 5, 81, 46, 110, 618, 4809, 5161, 0, 8, 34, 619, 8564, 0, 5, 13, 168, 5841, 27348, 0, 6, 32, 1322, 0, 4, 109, 1034, 25367, 0, 5, 15, 109, 6, 12, 295, 4469, 15272, 0, 9, 42, 370, 6302, 1295, 13730, 0, 7, 77, 388, 6679, 0, 5, 21, 103, 1072, 3457, 24956, 0, 7, 12, 25, 471, 3129, 0, 6, 31, 229, 3123, 0, 5, 18, 412, 1026, 19631, 0, 6, 11, 171, 750, 7695, 5210, 0, 7, 24, 838, 0, 4, 61, 848, 1398, 35192, 0, 6, 17, 453, 6654, 0, 5, 28, 170, 921, 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534, 3332, 10972, 0, 6, 6, 1, 19, 119, 1368, 8685, 0, 8, 81, 1480, 17465, 0, 5, 31, 444, 474, 4824, 0, 6, 18, 296, 9181, 0, 5, 11, 64, 90, 360, 8552, 0, 7, 43, 535, 4404, 8944, 0, 6, 18, 18, 1, 38, 458, 1653, 19971, 0, 9, 111, 1922, 26095, 0, 5, 27, 57, 936, 10474, 0, 6, 20, 137, 771, 1343, 771, 2, 323, 1746, 5534, 3096, 0, 12, 174, 4595, 4242, 12443, 0, 6, 18, 37, 358, 3073, 5260, 0, 7, 51, 193, 1202, 7347, 14313, 0, 7, 7, 1, 51, 9, 47, 244, 1646, 19255, 0, 10, 154, 702, 23440, 0, 5, 53, 577, 1690, 15122, 15584, 0, 7, 21, 494, 4758, 2279, 9761, 322, 4145, 0, 9, 27, 69, 1064, 10846, 0, 6, 51, 35, 577, 23, 281, 1469, 1397, 1449, 9914, 0, 11, 112, 5332, 0, 4, 170, 1517, 1721, 27911, 0, 6, 21, 36, 737, 4009, 0, 6, 6, 1, 64, 130, 860, 10638, 0, 8, 153, 1258, 2309, 0, 5, 62, 1275, 14975, 0, 5, 5, 1, 18, 98, 2961, 0, 7, 67, 816, 6200, 0, 5, 11, 47, 91, 240, 949, 29808, 0, 8, 30, 224, 4983, 0, 5, 13, 352, 3251, 0, 5, 5, 1, 30, 12, 136, 1966, 7303, 0, 9, 90, 184, 599, 7471, 0, 6, 62, 50, 473, 1528, 1750, 0, 7, 45, 1267, 35729, 0, 5, 26, 252, 2795, 28683, 0, 6, 18, 61, 1296, 28192, 0, 6, 6, 1, 39, 292, 1985, 12889, 0, 8, 57, 196, 1378, 26795, 0, 6, 13, 58, 531, 8036, 0, 6, 6, 1, 20, 205, 1274, 9251, 0, 8, 20, 6, 9, 61, 36, 124, 1905, 9081, 0, 10, 179, 4143, 0, 4, 141, 2045, 0, 4, 4, 1, 26, 60, 802, 11835, 0, 8, 26, 6, 26, 2, 235, 1865, 23969, 0, 9, 32, 707, 3269, 7038, 0, 6, 13, 55, 327, 629, 663, 5682, 0, 8, 23, 188, 6569, 0, 5, 94, 752, 27509, 0, 5, 5, 1, 41, 1586, 21597, 0, 7, 111, 288, 776, 5667, 0, 6, 31, 327, 30, 139, 1010, 25732, 0, 8, 31, 8, 2, 53, 247, 3110, 33417, 0, 9, 54, 2055, 0, 4, 74, 448, 5789, 0, 5, 38, 326, 4106, 0, 5, 5, 1, 44, 542, 14616, 0, 7, 44, 5, 8, 31, 33, 594, 7049, 11061, 25862, 0, 11, 205, 126, 1290, 0, 5, 14, 562, 879, 441, 6923, 14097, 0, 8, 21, 255, 6045, 11532, 0, 6, 68, 1420, 0, 4, 51, 286, 2175, 0, 5, 23, 100, 638, 13625, 0, 6, 15, 1462, 32915, 0, 5, 11, 40, 730, 11858, 26221, 0, 7, 57, 187, 1761, 0, 5, 12, 236, 1307, 0, 5, 5, 1, 74, 86, 2105, 13247, 0, 8, 51, 41, 125, 1179, 11110, 0, 7, 25, 675, 4346, 0, 5, 19, 463, 10550, 0, 5, 5, 1, 25, 12, 33, 92, 1252, 3150, 0, 10, 202, 3002, 35277, 0, 5, 14, 91, 301, 2909, 16304, 11288, 0, 8, 40, 64, 339, 4320, 31860, 0, 7, 40, 7, 2, 152, 4883, 0, 7, 5, 23, 91, 23, 2, 9, 156, 4644, 0, 10, 37, 441, 121, 5675, 27381, 0, 7, 17, 587, 1289, 0, 5, 21, 127, 2728, 0, 5, 5, 1, 64, 42, 746, 1834, 6328, 0, 9, 30, 201, 6720, 0, 5, 13, 239, 2820, 27294, 0, 6, 131, 4539, 0, 4, 146, 674, 8075, 0, 5, 15, 140, 1503, 16524, 0, 6, 15, 6, 2, 60, 283, 5529, 17740, 0, 9, 35, 451, 2330, 37322, 0, 6, 13, 36, 313, 1660, 0, 6, 6, 1, 56, 692, 26384, 0, 7, 73, 1479, 13935, 0, 5, 39, 360, 576, 27769, 0, 6, 17, 84, 3402, 3956, 21622, 0, 7, 18, 381, 1147, 31913, 0, 6, 13, 37, 105, 765, 3452, 13038, 0, 8, 136, 424, 2147, 0, 5, 32, 331, 14177, 0, 5, 5, 1, 49, 825, 2506, 14006, 0, 8, 18, 32, 14, 164, 1117, 1499, 33829, 0, 9, 78, 817, 7991, 0, 5, 21, 132, 1234, 29646, 0, 6, 46, 842, 3172, 11747, 0, 6, 6, 1, 34, 873, 0, 5, 19, 215, 956, 3762, 0, 7, 71, 1520, 28483, 0, 5, 11, 263, 2767, 14592, 0, 6, 18, 50, 481, 8449, 0, 6, 6, 1, 30, 162, 999, 7123, 12626, 21847, 0, 10, 196, 464, 5877, 0, 5, 27, 598, 3356, 0, 5, 5, 1, 20, 457, 7153, 25718, 0, 8, 84, 122, 2718, 0, 5, 12, 263, 45, 515, 4690, 0, 7, 57, 308, 9055, 0, 5, 12, 12, 1, 26, 455, 4649, 6541, 12959, 0, 10, 45, 20, 34, 85, 3535, 1692, 13451, 0, 9, 111, 433, 14985, 0, 5, 24, 963, 17179, 0, 5, 5, 1, 28, 1579, 5552, 0, 7, 41, 330, 4432, 0, 5, 11, 98, 616, 10342, 0, 6, 91, 286, 383, 15553, 0, 6, 6, 1, 24, 31, 423, 5265, 32808, 0, 9, 43, 779, 12618, 0, 5, 26, 64, 280, 9164, 0, 6, 19, 141, 540, 3646, 0, 6, 6, 1, 26, 14, 181, 3900, 0, 8, 104, 1822, 0, 4, 281, 709, 9267, 0, 5, 29, 926, 4257,

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2 21095, 0, 6, 22, 866, 13179, 0, 5, 11, 66, 1232, 19893, 0, 6, 11, 6, 2, 292, 621, 4234, 25692, 0, 9, 60, 298, 5288, 20943, 0, 6, 13, 255, 474, 863, 3012, 0, 7, 99, 2782, 19671, 0, 5, 33, 414, 9395, 0, 5, 5, 1, 66, 39, 294, 6919, 0, 8, 66, 6, 27, 185, 4928, 0, 7, 25, 436, 13480, 0, 5, 19, 92, 439, 953, 1190, 22009, 0, 8, 20, 162, 216, 993, 11524, 0, 7, 20, 7, 2, 67, 753, 6443, 23409, 0, 9, 67, 6, 36, 354, 3293, 4500, 21113, 0, 9, 9, 1, 53, 597, 15959, 0, 7, 23, 443, 14342, 0, 5, 45, 200, 1939, 7468, 12454, 0, 7, 12, 216, 43, 157, 4722, 0, 7, 7, 1, 26, 145, 1802, 11217, 0, 8, 59, 3228, 0, 4, 145, 9, 39, 90, 777, 16637, 0, 8, 12, 27, 90, 7, 23, 43, 30, 293, 4133, 0, 11, 141, 181, 173, 1273, 9209, 0, 7, 14, 180, 3149, 0, 5, 57, 272, 8178, 0, 5, 5, 1, 48, 1235, 27331, 0, 7, 17, 419, 3352, 0, 5, 11, 30, 35, 456, 3716, 36040, 0, 8, 48, 18, 344, 13134, 0, 6, 107, 1697, 35168, 0, 5, 19, 138, 1501, 9583, 14032, 0, 7, 31, 254, 1872, 12775, 0, 6, 18, 23, 69, 945, 13840, 0, 7, 13, 195, 3046, 2437, 12309, 0, 7, 7, 1, 58, 825, 439, 167, 2566, 15862, 0, 10, 330, 303, 6824, 0, 5, 42, 556, 8011, 0, 5, 5, 1, 20, 172, 3983, 19855, 0, 8, 66, 205, 718, 11097, 0, 6, 48, 72, 3602, 0, 5, 18, 53, 170, 978, 5430, 0, 7, 45, 166, 2616, 0, 5, 12, 137, 1072, 2552, 0, 6, 23, 70, 3895, 25776, 0, 6, 6, 1, 43, 146, 586, 9933, 0, 8, 43, 6, 9, 166, 27, 160, 8652, 0, 9, 6, 8, 11, 128, 5330, 0, 7, 41, 381, 550, 4496, 0, 6, 12, 42, 79, 1945, 10491, 22178, 0, 8, 19, 128, 19, 2, 252, 954, 9644, 16302, 0, 10, 101, 3592, 5556, 0, 5, 65, 1560, 5647, 0, 5, 5, 1, 58, 121, 683, 10610, 10785, 0, 9, 50, 510, 30238, 0, 5, 13, 142, 4990, 33440, 0, 6, 48, 107, 174, 1152, 32060, 0, 7, 61, 955, 22248, 0, 5, 18, 114, 7867, 0, 5, 5, 1, 37, 616, 448, 878, 1586, 912, 22543, 0, 11, 86, 799, 1422, 4987, 30649, 0, 7, 28, 475, 16373, 0, 5, 22, 409, 10507, 0, 5, 5, 1, 28, 12, 96, 1639, 5285, 0, 9, 65, 79, 101, 86, 29, 433, 510, 70, 144, 6135, 0, 12, 17, 258, 15516, 0, 5, 25, 382, 5848, 6710, 0, 6, 77, 2724, 27972, 0, 5, 11, 55, 992, 9243, 0, 6, 11, 6, 2, 127, 780, 10685, 0, 8, 136, 686, 9251, 1052, 13331, 0, 7, 68, 914, 14562, 0, 5, 26, 353, 6961, 0, 5, 5, 1, 68, 12, 51, 883, 15243, 2646, 0, 10, 153, 1181, 33266, 0, 5, 14, 337, 7493, 0, 5, 5, 1, 20, 254, 296, 1336, 8423, 28933, 0, 10, 20, 8, 49, 723, 19234, 0, 7, 47, 1185, 30551, 0, 5, 21, 713, 3688, 0, 5, 5, 1, 27, 228, 5431, 0, 7, 17, 101, 112, 1251, 3431, 10700, 0, 8, 30, 361, 9394, 0, 5, 19, 218, 10007, 0, 5, 5, 1, 25, 116, 2466, 37552, 0, 8, 18, 181, 409, 154, 1316, 38534, 0, 8, 8, 1, 16, 1494, 22730, 0, 7, 41, 262, 2407, 12187, 0, 6, 124, 1160, 5423, 0, 5, 33, 550, 272, 424, 811, 11981, 0, 8, 25, 40, 947, 9080, 0, 6, 19, 53, 335, 4253, 28082, 0, 7, 32, 811, 18, 49, 98, 673, 16144, 0, 9, 195, 396, 13487, 0, 5, 35, 439, 392, 6154, 0, 6, 27, 98, 17, 95, 2985, 31352, 0, 8, 41, 60, 618, 2958, 17392, 0, 7, 35, 21, 121, 294, 600, 16906, 0, 8, 15, 933, 17640, 0, 5, 34, 747, 1794, 10716, 0, 6, 34, 6, 2, 206, 8589, 0, 7, 26, 193, 1438, 8231, 30386, 0, 7, 7, 1, 107, 309, 10017, 0, 7, 6, 20, 173, 531, 1281, 0, 7, 7, 1, 14, 196, 831, 7402, 0, 8, 47, 180, 539, 4844, 6141, 0, 7, 14, 13, 344, 516, 4626, 27238, 0, 8, 15, 62, 1349, 13299, 0, 6, 35, 76, 2089, 33029, 0, 6, 6, 1, 35, 8, 16, 158, 1593, 23323, 0, 10, 224, 1394, 35524, 0, 5, 84, 860, 1435, 15334, 0, 6, 20, 62, 33, 161, 4220, 0, 7, 48, 385, 2416, 14530, 0, 6, 13, 53, 158, 31, 555, 15434, 0, 8, 38, 1252, 1143, 11990, 11101, 0, 7, 21, 130, 1470, 14844, 19199, 0, 7, 7, 1, 56, 1042, 4090, 0, 7, 6, 30, 246, 5054, 28438, 0, 7, 7, 1, 14, 92, 735, 11239, 0, 8, 36, 715, 28127, 0, 5, 68, 325, 5637, 0, 5, 5, 1, 18, 205, 560, 13844, 0, 8, 18, 6, 34, 161, 75, 1800, 21547, 4356, 0, 10, 96, 414, 794, 9867, 0, 6, 14, 40, 242, 7710, 0, 6, 6, 1, 30, 56, 63, 2418, 14519, 0, 9, 235, 1405, 32079, 0, 5, 43, 559, 14874, 18501, 0, 6, 19, 262, 287, 4659, 24371, 0, 7, 74, 1274, 1458, 13106, 0, 6, 13, 117, 1988, 36177, 0, 6, 6, 1, 39, 749, 11256, 0, 7, 19, 26, 221, 2059, 0, 6, 12, 411, 1966, 1542, 8390, 0, 7, 13, 26, 13, 2, 241, 3013, 0, 8, 89, 3690, 0, 4, 781, 6344, 0, 4, 4, 1, 36, 117, 44, 1395, 28486, 0, 9, 75, 102, 3341, 0, 5, 75, 5, 2, 29, 509, 4853, 0, 8, 30, 95, 310, 4506, 17164, 0, 7, 45, 674, 1240, 0, 5, 18, 131, 1250, 5248, 0, 6, 63, 111, 1043, 20797, 0, 6, 6, 1, 46, 1150, 2329, 0, 7, 24, 1019, 2760, 30140, 0, 6, 12, 82, 2471, 0, 5, 30, 42, 662, 3595, 0, 6, 11, 532, 6178, 0, 5, 11, 5, 2, 61, 621, 983, 2515, 0, 9, 75, 70, 574, 2476, 0, 6, 20, 262, 145, 877, 12701, 0, 7, 44, 93, 3002, 1387, 0, 6, 13, 117, 101, 487, 5423, 441, 1359, 5768, 0, 10, 200, 923, 4247, 0, 5, 41, 400, 23330, 0, 5, 5, 1, 77, 598, 1176, 15671, 0, 8, 109, 2988, 0, 4, 134, 2115, 22740, 5962, 4907, 0, 7, 45, 113, 2549, 0, 5, 23, 781, 152, 1415, 13192, 0, 7, 12, 95, 132, 1263, 5393, 0, 7, 7, 1, 38, 314, 2759, 0, 7, 6, 66, 832, 3728, 0, 5, 28, 678, 13372, 0, 6, 6, 1, 19, 211, 3835, 0, 7, 19, 5, 14, 270, 4020, 11683, 0, 8, 64, 1148, 0, 4, 64, 4, 2, 124, 538, 18148, 0, 8, 12, 53, 366, 3521, 0, 6, 32, 523, 3563, 5549, 11430, 0, 7, 33, 390, 5994, 0, 5, 36, 223, 3738, 17911, 0, 6, 18, 197, 4892, 11270, 26290, 0, 7, 18, 7, 2, 39, 275, 2215, 4017, 0, 9, 163, 6518, 16729, 0, 5, 27, 542, 1648, 34381, 0, 6, 27, 6, 2, 20, 171, 3429, 0, 8, 59, 1055, 16523, 0, 5, 19, 84, 450, 3149, 1031, 4327, 0, 8, 13, 176, 2780, 0, 5, 13, 5, 2, 26, 302, 6230, 0, 8, 13, 8, 2, 8, 2, 2, 1, 117, 195, 601, 5572, 25459, 0, 14, 116, 668, 21811, 0, 5, 25, 634, 4683, 0, 5, 5, 1, 19, 47, 539, 538, 118, 2646, 753, 1161, 14925, 0, 13, 36, 104, 1264, 0, 5, 17, 622, 5373, 0, 5, 5, 1, 23, 194, 3716, 1076, 6254, 0, 9, 101, 243, 7386, 14110, 0, 6, 94, 1801, 20709, 0, 5, 19, 41, 242, 440, 6234, 27550, 0, 8, 71, 1450, 36351, 0, 5, 13, 44, 276, 8725, 0, 6, 24, 325, 488, 33680, 0, 6, 6, 1, 45, 244, 2062, 25193, 0, 8, 25, 81, 2154, 0, 5, 25, 5, 2, 102, 390, 180, 621, 324, 11183, 0, 11, 332, 3933, 0, 4, 211, 229, 3249, 10754, 0, 6, 33, 198, 7732, 0, 5, 24, 45, 38, 262, 335, 742, 4562, 2985, 716, 14734, 0, 12, 227, 4330, 8260, 0, 5, 17, 106, 2757, 11103, 0, 6, 28, 271, 5806, 0, 5, 11, 44, 79, 948, 13293, 0, 7, 218, 827, 4763, 0, 5, 12, 29, 447, 11000, 0, 6, 23, 128, 1059, 13637, 0, 6, 6, 1, 91, 1451, 2748, 32855, 0, 8, 91, 6, 9, 138, 1203, 17402, 0, 8, 8, 1, 16, 682, 10962, 6260, 0, 8, 7, 42, 435, 6385, 0, 6, 20, 244, 119, 2273, 0, 6, 6, 1, 20, 8, 16, 22, 1026, 3689, 22567, 0, 11, 70, 437, 5516, 0, 5, 64, 328, 3472, 9821, 0, 6, 21, 677, 2678, 12177, 0, 6, 6, 1, 28, 95, 387, 15097, 0, 8, 32, 334, 3936, 0, 5, 25, 155, 2333, 30172, 0, 6, 18, 320, 3001, 18559, 0, 6, 6, 1, 25, 14, 262, 142, 1124, 9875, 28367, 0, 11, 53, 367, 19273, 0, 5, 28, 39, 340, 4526, 8554, 0, 7, 87, 5789, 1994, 0, 5, 12, 129, 4524, 0, 5, 5, 1, 33, 181, 956, 1688, 0, 8, 58, 1173, 19327, 0, 5, 12, 18, 53, 37, 1144, 2549, 471, 2446, 17473, 0, 11, 46, 573, 5098, 0, 5, 16, 111, 586, 1252, 779, 1588, 10536, 0, 9, 149, 7825, 0, 4, 227, 204, 3619, 18133, 0, 6, 80, 4192, 6794, 0, 5, 24, 227, 12, 42, 153, 1081, 7706, 0, 9, 24, 9, 2, 262, 94, 309, 903, 12131, 0, 10, 556, 1344, 23681, 0, 5, 24, 15, 880, 6362, 25452, 0, 7, 94, 18, 71, 316, 2991, 0, 7, 7, 1, 91, 207, 2932, 31650, 0, 8, 91, 6, 53, 86, 1192, 11625, 0, 8, 8, 1, 16, 80, 62, 879, 2082, 10214, 0, 10, 45, 290, 6205, 0, 5, 45, 5, 2, 60, 1003, 17829, 0, 8, 22, 211, 316, 45, 11, 111, 105, 1879, 0, 10, 23, 268, 8162, 9518, 8464, 0, 7, 55, 1211, 0, 4, 109, 617, 30809, 0, 5, 32, 206, 1007, 13262, 0, 6, 61, 681, 22941, 0, 5, 11, 33, 166, 1383, 12171, 14192, 0, 8, 45, 42, 120, 2782, 1660, 1958, 17073, 0, 9, 120, 7, 39, 202, 2073, 0, 7, 5, 25, 223, 564, 2603, 11819, 0, 8, 24, 122, 1834, 2028, 40245, 0, 7, 15, 128, 334, 257, 3098, 0, 7, 7, 1, 106, 371, 7028, 0, 7, 6, 59, 552, 2784, 3011, 35309, 0, 8, 29, 361, 1200, 3844, 31488, 0, 7, 15, 29, 8, 10, 99, 1722, 26131, 0, 9, 60, 119, 335, 416, 14546, 0, 7, 16, 142, 280, 1802, 1644, 0, 7, 7, 1, 45, 85, 1866, 0, 7, 6, 45, 6, 2, 144, 1354, 8135, 23129, 0, 10, 36, 543, 17942, 0, 5, 88, 3042, 7763, 0, 5, 5, 1, 27, 626, 9930, 0, 7, 27, 5, 8, 57, 1646, 2567, 19890, 0, 9, 57, 6, 35, 1091, 3257, 0, 7, 16, 57, 8, 16, 3, 3618, 0, 8, 5, 23, 177, 4568, 21217, 0, 7, 15, 88, 44, 470, 3765, 0, 7, 7, 1, 45, 66, 761, 14219, 0, 8, 22, 208, 18964, 0, 5, 26, 653, 5227, 32349, 0, 6, 46, 325, 568, 11936, 0, 6, 6, 1, 25, 165, 5371, 0, 7, 31, 1115, 8894, 0, 5, 24, 168, 3540, 28069, 0, 6, 17, 530, 4395, 11100, 0, 6, 6, 1, 24, 14, 412, 4153, 0, 8, 49, 1291, 0, 4, 240, 2571, 0, 4, 4, 1, 16, 86, 296, 1409, 8836, 0, 9, 103, 4192, 356, 3529, 4860, 0, 7, 49, 24, 31, 51, 1444, 37217, 0, 8, 32, 263, 2049, 13218, 0, 6, 45, 93, 925, 20094, 0, 6, 6, 1, 36, 158, 1188, 31737, 0, 8, 20, 523, 823, 12879, 0, 6, 13, 670, 2840, 15209, 0, 6, 6, 1, 20, 14, 72, 1708, 11287, 0, 9, 56, 1129, 6409, 0, 5, 98, 1351, 5939, 28760, 0, 6, 19, 709, 1998, 12302, 0, 6, 6, 1, 26, 136, 1531, 23327, 0, 8, 46, 136, 6, 10, 214, 8425, 0, 8, 8, 1, 16, 98, 31, 84, 823, 58, 492, 12914, 0, 12, 449, 8039, 0, 4, 113, 963, 2103, 0, 5, 49, 103, 111, 381, 1717, 6866, 0, 8, 28, 539, 800, 10754, 707, 2588, 0, 8, 8, 1, 37, 516, 1340, 25135, 0, 8, 7, 128, 332, 729, 14225, 0, 7, 6, 58, 46, 62, 437, 623, 16835, 0, 9, 94, 470, 229, 740, 4093, 0, 7, 16, 66, 229, 7, 4, 57, 257, 358, 2857, 0, 11, 404, 17353, 0, 4, 10, 88, 253, 4868, 0, 6, 36, 149, 545, 16042, 0, 6, 6, 1, 58, 44, 266, 3063, 0, 8, 58, 6, 9, 45, 174, 1745, 30522, 0, 9, 6, 8, 11, 36, 26, 130, 1350, 21512, 0, 10, 38, 787, 6634, 0, 5, 106, 405, 7957, 0, 5, 5, 1, 37, 95, 683, 1792, 28128, 0, 9, 29, 398, 9798, 0, 5, 13, 194, 895, 23716, 0, 6, 39, 459, 9547, 0, 5, 11, 43, 1309, 0, 5, 5, 1, 30, 1190, 2107, 4369, 0, 8, 56, 203, 6381, 0, 5, 12, 164, 2385, 27610, 0, 6, 29, 40, 1352, 31268, 0, 6, 6, 1, 25, 325, 333, 8626, 6744, 0, 9, 55, 542, 1034, 4505, 0, 6, 14, 241, 1305, 27885, 0, 6, 6, 1, 21, 767, 18928, 0, 7, 143, 5652, 0, 4, 136, 226, 10621, 0, 5, 49, 203, 54, 2728, 2555, 4827, 23738, 0, 9, 37, 99, 488, 945, 2028, 528, 5120, 7219, 0, 10, 121, 1606, 0, 4, 28, 218, 880, 663, 2796, 33035, 0, 8, 85, 487, 1240, 1316, 1701, 21288, 0, 8, 8, 1, 55, 69, 2059, 1383, 591, 7932, 0, 10, 30, 109, 616, 1895, 5256, 0, 7, 65, 1866, 512, 9573, 0, 6, 77, 1251, 1757, 14836, 0, 6, 6, 1, 29, 113, 279, 3874, 0, 8, 36, 185, 2256, 0, 5, 81, 1002, 13100, 0, 5, 5, 1, 18, 720, 24783, 0, 7, 37, 84, 313, 2592, 25516, 0, 7, 7, 1, 14, 124, 1215, 11135, 0, 8, 32, 406, 3389, 0, 5, 26, 221, 1455, 27062, 0, 6, 50, 1994, 845, 4190, 22616, 0, 7, 25, 161, 1535, 4307, 15234, 0, 7, 7, 1, 33, 684, 14569, 0, 7, 6, 22, 520, 3635, 0, 6, 5, 34, 1556, 5094, 0, 6, 6, 1, 19, 400, 1350, 262, 809, 5344, 9723, 4047, 0, 12, 212, 4059, 0, 4, 145, 1390, 12384, 0, 5, 26, 60, 647, 9181, 3238, 0, 7, 40, 222, 3496, 6923, 2868, 8469, 0, 8, 80, 795, 17472, 0, 5, 20, 457, 2551, 28560, 4182, 0, 7, 20, 7, 2, 651, 8071,

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2 29932, 0, 8, 20, 8, 2, 8, 2, 2, 1, 61, 770, 4522, 30524, 0, 13, 298, 2433, 3822, 5002, 16978, 0, 7, 26, 55, 188, 2995, 0, 6, 81, 153, 895, 312, 5213, 0, 7, 13, 21, 256, 3480, 0, 6, 13, 6, 2, 36, 174, 368, 7974, 0, 9, 247, 2987, 30777, 0, 5, 68, 1685, 8474, 0, 5, 5, 1, 53, 884, 8057, 0, 7, 32, 165, 633, 9977, 0, 6, 30, 230, 5774, 0, 5, 17, 628, 12632, 0, 5, 5, 1, 23, 691, 21311, 0, 7, 23, 5, 8, 87, 1026, 1097, 11126, 0, 9, 49, 305, 8958, 0, 5, 12, 147, 5636, 0, 5, 5, 1, 26, 89, 1640, 8040, 0, 8, 24, 628, 39, 397, 4947, 5727, 26346, 0, 9, 27, 757, 5273, 0, 5, 21, 95, 427, 8079, 28796, 0, 7, 48, 1823, 19281, 0, 5, 12, 39, 25, 225, 8025, 4184, 0, 8, 34, 210, 3781, 22712, 0, 6, 84, 269, 4335, 0, 5, 19, 214, 597, 2504, 0, 6, 11, 441, 1581, 3474, 0, 6, 6, 1, 65, 326, 3099, 18826, 9878, 30934, 0, 10, 341, 6254, 1360, 5820, 15190, 0, 7, 53, 129, 1119, 9260, 0, 6, 22, 262, 247, 149, 540, 2667, 32705, 0, 9, 80, 224, 1910, 25850, 0, 6, 15, 812, 7404, 0, 5, 55, 194, 501, 9064, 0, 6, 11, 55, 7, 35, 846, 4376, 0, 8, 80, 25, 87, 140, 2959, 13067, 0, 8, 8, 1, 65, 65, 1, 3, 855, 8022, 28696, 0, 11, 26, 139, 3197, 0, 5, 38, 563, 7033, 0, 5, 5, 1, 18, 380, 3667, 5114, 5850, 0, 9, 63, 1749, 33377, 0, 5, 13, 233, 4597, 13622, 0, 6, 57, 637, 15684, 0, 5, 11, 36, 242, 1446, 0, 6, 11, 6, 2, 250, 6894, 0, 7, 72, 766, 16652, 0, 5, 18, 41, 1464, 18295, 0, 6, 16, 671, 19716, 0, 5, 11, 23, 225, 170, 2487, 9315, 0, 8, 82, 1782, 10645, 0, 5, 13, 53, 137, 2488, 11372, 0, 7, 36, 48, 197, 1624, 9824, 0, 7, 7, 1, 81, 315, 4849, 12764, 0, 8, 27, 223, 1080, 9904, 0, 6, 46, 731, 20340, 0, 5, 33, 431, 24387, 0, 5, 5, 1, 24, 250, 74, 1937, 4456, 5588, 0, 10, 191, 7478, 0, 4, 417, 3791, 34076, 0, 5, 18, 81, 42, 1133, 0, 6, 35, 164, 645, 25249, 0, 6, 6, 1, 31, 824, 22698, 0, 7, 61, 394, 4658, 27144, 0, 6, 12, 266, 741, 11323, 0, 6, 6, 1, 19, 255, 2830, 0, 7, 19, 5, 40, 450, 1672, 22033, 0, 8, 81, 45, 755, 4982, 0, 6, 20, 434, 7339, 0, 5, 17, 363, 10324, 0, 5, 5, 1, 31, 50, 536, 26586, 0, 8, 24, 87, 222, 481, 3047, 16974, 0, 8, 8, 1, 16, 155, 1432, 9206, 0, 8, 7, 49, 372, 12603, 0, 6, 40, 52, 4453, 30287, 0, 6, 6, 1, 20, 48, 150, 6903, 0, 8, 20, 6, 9, 224, 286, 2987, 444, 3771, 0, 10, 125, 3334, 0, 4, 125, 4, 2, 213, 5794, 0, 7, 40, 35, 122, 1236, 7184, 7792, 0, 8, 29, 655, 9487, 0, 5, 77, 668, 1738, 3847, 0, 6, 38, 275, 1809, 9896, 0, 6, 6, 1, 54, 742, 1631, 5674, 0, 8, 25, 312, 514, 15134, 0, 6, 13, 223, 201, 3297, 15773, 0, 7, 46, 202, 1294, 30993, 0, 6, 13, 13, 1, 28, 749, 2120, 8973, 0, 9, 79, 1639, 2593, 0, 5, 53, 249, 4192, 1097, 485, 4646, 0, 8, 41, 281, 3036, 37512, 0, 6, 28, 25, 48, 108, 3912, 30103, 0, 8, 14, 703, 5901, 9387, 0, 6, 14, 6, 2, 101, 1780, 22522, 0, 8, 14, 8, 2, 8, 2, 2, 1, 54, 82, 299, 9237, 0, 13, 61, 223, 76, 2346, 0, 6, 25, 40, 122, 121, 822, 4420, 11474, 0, 9, 69, 805, 6932, 34410, 0, 6, 15, 435, 1667, 18031, 0, 6, 6, 1, 35, 143, 871, 9212, 11455, 0, 9, 21, 531, 2415, 8713, 0, 6, 14, 55, 445, 6818, 0, 6, 6, 1, 21, 14, 9, 17, 238, 4579, 0, 10, 184, 3762, 3291, 0, 5, 112, 2590, 0, 4, 187, 3546, 11770, 0, 5, 9, 20, 209, 5709, 22441, 0, 7, 148, 4786, 0, 4, 16, 245, 10671, 0, 5, 16, 5, 2, 98, 1144, 1624, 382, 2718, 3277, 0, 11, 410, 24264, 0, 4, 20, 30, 657, 15288, 6032, 0, 7, 31, 288, 3691, 27250, 0, 6, 67, 3094, 0, 4, 17, 67, 5, 33, 389, 5141, 0, 8, 137, 425, 4123, 4089, 34439, 0, 7, 25, 129, 570, 5786, 0, 6, 25, 6, 2, 53, 193, 2539, 16989, 0, 9, 77, 252, 2883, 0, 5, 32, 714, 21683, 0, 5, 5, 1, 112, 99, 985, 11654, 0, 8, 40, 161, 874, 9092, 30797, 0, 7, 40, 7, 2, 34, 653, 1384, 12255, 0, 9, 34, 6, 43, 1084, 20722, 0, 7, 14, 140, 584, 11498, 0, 6, 11, 99, 35, 170, 509, 2329, 2298, 8963, 14069, 0, 11, 10, 151, 8482, 0, 5, 52, 362, 8794, 0, 5, 5, 1, 58, 1173, 1761, 3700, 0, 8, 58, 6, 31, 118, 2053, 13573, 0, 8, 8, 1, 16, 148, 158, 1353, 4214, 27621, 0, 10, 35, 45, 440, 2030, 0, 6, 22, 679, 23272, 0, 5, 36, 547, 6809, 0, 5, 5, 1, 26, 638, 3759, 31544, 0, 8, 33, 145, 933, 2682, 0, 6, 24, 446, 6125, 25217, 0, 6, 6, 1, 20, 179, 3920, 32967, 0, 8, 20, 6, 9, 107, 2677, 14990, 0, 8, 8, 1, 16, 62, 1300, 7150, 0, 8, 7, 114, 2988, 2320, 24914, 0, 7, 6, 22, 62, 14, 123, 6667, 0, 8, 15, 298, 931, 26264, 0, 6, 13, 326, 775, 7975, 0, 6, 6, 1, 35, 89, 848, 4439, 0, 8, 20, 51, 1475, 25819, 0, 6, 13, 20, 7, 37, 1087, 8975, 0, 8, 14, 39, 836, 11422, 0, 6, 14, 6, 2, 184, 304, 7021, 0, 8, 14, 8, 2, 8, 2, 2, 1, 41, 415, 8684, 0, 12, 595, 5311, 0, 4, 263, 1512, 6181, 0, 5, 127, 2993, 0, 4, 9, 102, 2139, 12679, 0, 6, 37, 50, 576, 3711, 0, 6, 6, 1, 32, 251, 4376, 806, 35782, 0, 9, 20, 67, 293, 3331, 0, 6, 14, 52, 207, 1876, 28751, 0, 7, 78, 3685, 0, 4, 38, 526, 8178, 3330, 0, 6, 17, 316, 1854, 40017, 0, 6, 6, 1, 38, 14, 26, 184, 85, 1249, 5349, 0, 11, 245, 369, 6966, 0, 5, 70, 2082, 1895, 1240, 1260, 16868, 0, 8, 95, 960, 9942, 0, 5, 13, 126, 3997, 14909, 0, 6, 34, 293, 63, 836, 125, 603, 9194, 23282, 0, 10, 243, 2284, 0, 4, 61, 491, 9674, 0, 5, 25, 355, 5443, 21957, 0, 6, 25, 6, 2, 132, 2495, 0, 7, 83, 4860, 1651, 38800, 0, 6, 11, 63, 37, 119, 1822, 3598, 8527, 0, 9, 111, 1557, 5258, 0, 5, 33, 261, 6945, 25681, 0, 6, 20, 122, 528, 1355, 26533, 0, 7, 33, 13, 72, 872, 6179, 0, 7, 7, 1, 107, 260, 9396, 23091, 0, 8, 91, 2007, 0, 4, 70, 103, 1596, 34480, 0, 6, 32, 161, 399, 5228, 29799, 0, 7, 24, 300, 4624, 22336, 0, 6, 13, 37, 64, 2201, 37847, 0, 7, 13, 7, 2, 85, 142, 1888, 0, 8, 38, 151, 387, 2200, 6928, 0, 7, 13, 15, 284, 9408, 0, 6, 28, 643, 15643, 0, 5, 84, 1082, 15585, 0, 5, 5, 1, 69, 605, 7771, 0, 7, 23, 936, 4488, 18170, 0, 6, 23, 6, 2, 44, 1592, 12462, 0, 8, 44, 5, 22, 329, 4960, 0, 7, 21, 596, 6290, 0, 5, 10, 165, 1210, 7010, 0, 6, 24, 83, 149, 1085, 10328, 0, 7, 18, 906, 9894, 0, 5, 18, 5, 2, 38, 77, 523, 1783, 39677, 0, 10, 27, 956, 2225, 24335, 0, 6, 28, 77, 13, 85, 98, 598, 2710, 0, 9, 170, 494, 4498, 0, 5, 28, 14, 255, 909, 10925, 0, 7, 42, 946, 30739, 0, 5, 12, 333, 1577, 17497, 0, 6, 32, 150, 858, 15957, 24711, 0, 7, 18, 55, 682, 2378, 15146, 0, 7, 7, 1, 113, 1494, 3226, 0, 7, 6, 22, 98, 51, 401, 10039, 0, 8, 107, 195, 2593, 800, 1774, 11152, 0, 8, 8, 1, 23, 125, 276, 2530, 28777, 0, 9, 69, 143, 734, 16766, 0, 6, 30, 665, 6462, 0, 5, 63, 258, 3404, 9899, 19371, 0, 7, 43, 595, 403, 11507, 0, 6, 18, 63, 14, 89, 456, 3671, 11014, 9627, 0, 10, 118, 568, 1996, 23627, 0, 6, 16, 505, 18100, 0, 5, 34, 331, 4089, 679, 560, 3059, 0, 8, 61, 325, 1683, 13312, 0, 6, 19, 1026, 1355, 286, 957, 10545, 0, 8, 14, 41, 457, 1470, 3121, 5624, 0, 8, 8, 1, 84, 227, 2336, 9853, 0, 8, 7, 66, 1834, 2196, 0, 6, 30, 83, 195, 107, 109, 1638, 0, 8, 14, 30, 9, 100, 4360, 0, 7, 20, 332, 1877, 0, 5, 64, 290, 2304, 33192, 0, 6, 26, 432, 17440, 0, 5, 11, 368, 1464, 1206, 8355, 0, 7, 23, 134, 2902, 7438, 0, 6, 18, 109, 41, 67, 485, 945, 1721, 4674, 0, 10, 109, 9, 45, 663, 1715, 25378, 0, 8, 54, 920, 37042, 0, 5, 36, 664, 4858, 0, 5, 5, 1, 86, 2077, 30895, 0, 7, 41, 33, 390, 2678, 2545, 16075, 0, 8, 25, 437, 1940, 28761, 0, 6, 49, 1100, 7095, 0, 5, 25, 11, 68, 1523, 0, 6, 11, 5, 8, 20, 92, 3226, 226, 1798, 20917, 0, 11, 10, 62, 655, 1075, 0, 6, 17, 537, 13221, 0, 5, 20, 19, 157, 3927, 5537, 0, 7, 54, 71, 2449, 10394, 9189, 0, 7, 7, 1, 68, 42, 289, 5328, 27560, 0, 9, 93, 2124, 0, 4, 444, 1135, 8043, 0, 5, 32, 293, 533, 6867, 0, 6, 43, 235, 3229, 0, 5, 11, 55, 297, 9415, 0, 6, 11, 6, 2, 358, 2011, 36680, 0, 8, 76, 1033, 23369, 0, 5, 19, 61, 225, 1352, 1916, 30926, 0, 8, 13, 361, 2369, 15463, 0, 6, 25, 104, 2871, 22803, 0, 6, 6, 1, 68, 68, 1, 3, 1447, 38183, 0, 10, 102, 677, 2683, 0, 5, 35, 742, 1163, 16991, 0, 6, 20, 103, 520, 1773, 5021, 9576, 0, 8, 41, 158, 852, 18384, 0, 6, 14, 235, 79, 1151, 15240, 0, 7, 109, 196, 3474, 1559, 39317, 0, 7, 7, 1, 46, 1180, 20639, 0, 7, 6, 22, 378, 14150, 0, 6, 5, 48, 1156, 5132, 0, 6, 6, 1, 19, 90, 4052, 34504, 0, 8, 47, 2963, 21972, 0, 5, 18, 245, 689, 22842, 0, 6, 18, 6, 2, 120, 2515, 3216, 0, 8, 19, 25, 102, 87, 1329, 0, 7, 46, 51, 422, 9349, 19420, 0, 7, 7, 1, 41, 82, 1177, 36716, 0, 8, 22, 60, 1836, 8613, 0, 6, 34, 375, 16343, 0, 5, 47, 52, 769, 7480, 0, 6, 11, 167, 4027, 0, 5, 11, 5, 2, 52, 13, 155, 1365, 35095, 0, 10, 139, 1584, 28692, 0, 5, 13, 11, 16, 413, 12790, 0, 7, 51, 58, 996, 27171, 0, 6, 33, 295, 5675, 4624, 654, 7063, 0, 8, 58, 13, 22, 60, 60, 1, 70, 680, 22424, 0, 11, 30, 385, 3557, 6439, 0, 6, 25, 96, 3486, 14191, 0, 6, 6, 1, 19, 105, 2674, 0, 7, 44, 626, 2527, 25825, 0, 6, 12, 560, 460, 17617, 0, 6, 6, 1, 19, 19, 1, 3, 217, 6191, 0, 10, 78, 861, 41999, 0, 5, 78, 5, 2, 93, 294, 3714, 7900, 0, 9, 300, 726, 0, 4, 300, 4, 2, 13, 72, 765, 4601, 0, 9, 13, 6, 38, 644, 7570, 0, 7, 56, 2207, 34355, 0, 5, 32, 316, 890, 10164, 0, 6, 16, 116, 3173, 29542, 0, 6, 6, 1, 58, 105, 80, 1737, 19847, 0, 9, 33, 120, 198, 3076, 0, 6, 14, 258, 579, 27788, 0, 6, 6, 1, 21, 715, 3622, 0, 7, 45, 458, 5241, 0, 5, 45, 5, 2, 66, 527, 6202, 0, 8, 144, 2659, 13229, 0, 5, 11, 139, 176, 3252, 17300, 0, 7, 25, 139, 7, 3, 112, 1233, 18662, 0, 9, 53, 1256, 17684, 0, 5, 21, 44, 141, 4319, 8424, 34474, 0, 8, 34, 230, 1966, 3582, 7508, 0, 7, 26, 542, 2280, 0, 5, 20, 344, 3783, 0, 5, 5, 1, 71, 446, 1158, 14103, 0, 8, 25, 47, 251, 1033, 405, 2370, 17878, 13345, 5632, 0, 11, 64, 577, 5237, 33434, 0, 6, 95, 989, 9177, 0, 5, 29, 1567, 8906, 0, 5, 5, 1, 35, 392, 3908, 0, 7, 52, 270, 3429, 3357, 11001, 0, 7, 7, 1, 14, 128, 2492, 7278, 0, 8, 49, 542, 67, 590, 8317, 27028, 0, 8, 8, 1, 16, 165, 846, 1898, 6670, 0, 9, 104, 449, 2549, 3037, 41410, 0, 7, 31, 1283, 9656, 0, 5, 50, 1117, 4781, 37799, 0, 6, 67, 33, 176, 138, 3185, 21326, 0, 8, 34, 117, 3378, 37156, 0, 6, 14, 55, 515, 4714, 0, 6, 6, 1, 47, 105, 204, 3052, 14738, 0, 9, 47, 7, 42, 558, 5993, 0, 7, 5, 43, 543, 2833, 0, 6, 21, 159, 5839, 0, 5, 10, 283, 4912, 7696, 0, 6, 11, 127, 1188, 2691, 0, 6, 6, 1, 39, 1229, 7915, 0, 7, 30, 342, 6570, 0, 5, 24, 936, 968, 0, 5, 5, 1, 17, 627, 25229, 0, 7, 17, 5, 8, 78, 316, 282, 6119, 0, 9, 63, 826, 6449, 0, 5, 12, 348, 7853, 0, 5, 5, 1, 26, 206, 3019, 0, 7, 26, 5, 8, 26, 3, 241, 2489, 38463, 0, 10, 71, 209, 1568, 31330, 0, 6, 65, 2031, 0, 4, 344, 225, 610, 15322, 22025, 0, 7, 27, 979, 18364, 0, 5, 30, 75, 3726, 30960, 0, 6, 22, 432, 791, 9291, 0, 6, 6, 1, 51, 456, 887, 10179, 0, 8, 49, 196, 581, 6557, 15125, 0, 7, 32, 364, 6520, 0, 5, 32, 5, 2, 324, 3440, 9241, 0, 8, 20, 278, 5801, 15437, 0, 6, 33, 186, 6805, 0, 5, 17, 109, 613, 13084, 22497, 0, 7, 31, 210, 2196, 874, 1554, 21871, 0, 8, 26, 95, 275, 1826, 28771, 0, 7, 15, 1133, 1976, 23861, 0, 6, 33, 33, 1, 68, 682, 1020, 5812, 17558, 0, 10, 111, 1228, 38061, 0, 5, 43, 198, 409, 4260, 0, 6, 21, 199, 9709, 0, 5, 11, 193, 1624, 1677, 11219, 0, 7, 39, 192, 9953, 0, 5, 12, 161, 1213, 9775, 32071, 0, 7, 12, 7, 2, 92, 830, 30929, 0, 8, 66, 421, 24515, 0, 5, 20, 97, 5906, 0, 5, 5, 1, 62, 839, 12433, 0, 7, 23, 922, 23810, 0, 5, 11, 49, 135, 13292, 9128,

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2 8654, 0, 8, 30, 162, 4819, 0, 5, 13, 516, 2847, 0, 5, 5, 1, 30, 12, 51, 162, 14, 305, 2368, 9627, 1050, 13104, 0, 14, 7, 38, 534, 5771, 0, 6, 92, 65, 209, 215, 5092, 30787, 0, 8, 38, 13, 34, 335, 3169, 39269, 0, 8, 8, 1, 36, 954, 4605, 0, 7, 28, 1179, 5338, 0, 5, 47, 332, 1016, 7944, 0, 6, 34, 24, 297, 868, 11024, 0, 7, 18, 749, 1956, 0, 5, 18, 5, 2, 114, 1599, 17885, 0, 8, 37, 1328, 25418, 0, 5, 11, 97, 114, 12, 79, 821, 6537, 0, 9, 309, 3405, 0, 4, 276, 1169, 7479, 0, 5, 18, 31, 212, 2602, 6646, 0, 7, 43, 182, 9827, 0, 5, 12, 27, 287, 4145, 5745, 8858, 0, 8, 43, 13, 89, 1164, 19282, 0, 7, 20, 159, 395, 6022, 7495, 0, 7, 7, 1, 95, 238, 1915, 27495, 0, 8, 22, 305, 133, 8193, 0, 6, 91, 1423, 20602, 0, 5, 41, 814, 9295, 0, 5, 5, 1, 24, 102, 836, 1514, 0, 8, 24, 6, 20, 41, 16, 505, 1199, 16968, 0, 10, 256, 2597, 17936, 0, 5, 22, 39, 239, 5381, 6347, 0, 7, 53, 620, 23930, 0, 5, 12, 81, 2222, 23561, 0, 6, 31, 98, 1292, 0, 5, 11, 122, 1501, 4900, 0, 6, 11, 6, 2, 141, 638, 1783, 1372, 11688, 0, 10, 44, 646, 14936, 0, 5, 21, 294, 762, 8674, 0, 6, 19, 783, 17037, 0, 5, 11, 26, 340, 3634, 16116, 0, 7, 55, 538, 3901, 0, 5, 12, 55, 6, 20, 83, 1231, 32259, 0, 9, 166, 3469, 0, 4, 166, 4, 2, 51, 257, 3079, 0, 8, 103, 1019, 4194, 16594, 0, 6, 24, 109, 393, 6324, 34300, 0, 7, 39, 100, 1252, 3633, 28791, 0, 7, 1, 131, 4234, 5173, 0, 7, 6, 22, 116, 797, 10785, 4842, 13843, 0, 9, 48, 1014, 6675, 0, 5, 62, 335, 277, 14120, 0, 6, 19, 85, 1461, 29674, 0, 6, 6, 1, 33, 413, 940, 22238, 0, 8, 61, 1121, 12812, 0, 5, 25, 729, 3176, 29247, 0, 6, 18, 241, 538, 99, 1978, 12364, 0, 8, 19, 33, 26, 114, 268, 3593, 9043, 0, 9, 53, 170, 1497, 0, 5, 28, 317, 6356, 0, 5, 5, 1, 46, 1040, 30466, 0, 7, 79, 289, 1212, 22910, 0, 6, 40, 2038, 33560, 0, 5, 17, 504, 8290, 8105, 23258, 0, 7, 18, 52, 754, 22168, 0, 6, 18, 6, 2, 138, 709, 3312, 20110, 0, 9, 50, 724, 19703, 0, 5, 27, 300, 941, 20526, 17668, 0, 7, 27, 7, 2, 21, 198, 498, 12610, 0, 9, 21, 6, 30, 426, 15342, 0, 7, 14, 420, 9979, 0, 5, 28, 78, 666, 11394, 0, 6, 16, 277, 136, 3118, 10061, 0, 7, 18, 55, 206, 661, 19329, 0, 7, 7, 1, 93, 1000, 7175, 0, 7, 6, 22, 172, 5116, 15783, 0, 7, 7, 1, 14, 41, 309, 388, 7654, 0, 9, 55, 29, 857, 0, 5, 48, 184, 1875, 0, 5, 5, 1, 19, 147, 2850, 28185, 0, 8, 153, 2931, 10894, 0, 5, 12, 259, 8363, 0, 5, 5, 1, 18, 60, 1108, 12265, 0, 8, 18, 6, 53, 164, 2590, 2292, 34379, 0, 9, 45, 990, 18234, 0, 5, 21, 105, 822, 2358, 0, 6, 18, 20, 290, 1501, 337, 4943, 14263, 0, 9, 20, 8, 31, 352, 6102, 0, 7, 80, 1046, 30114, 0, 5, 27, 141, 349, 6926, 0, 6, 27, 6, 2, 147, 73, 5721, 29653, 0, 9, 27, 9, 2, 9, 2, 2, 1, 69, 1652, 7214, 0, 12, 80, 32, 726, 1120, 10321, 0, 7, 39, 313, 3165, 0, 5, 39, 5, 2, 21, 69, 21, 2, 4, 345, 12843, 10856, 0, 13, 491, 1953, 25580, 0, 5, 16, 171, 4335, 2919, 0, 6, 55, 140, 2265, 17536, 0, 6, 6, 1, 49, 646, 412, 3632, 37660, 0, 9, 59, 3799, 19916, 0, 5, 26, 293, 1466, 7149, 8536, 0, 7, 56, 1162, 15741, 0, 5, 12, 69, 53, 136, 210, 770, 3109, 0, 9, 26, 21, 61, 337, 124, 3230, 0, 8, 122, 468, 6631, 25731, 0, 6, 48, 190, 9375, 0, 5, 28, 243, 2030, 2271, 0, 6, 11, 454, 6915, 0, 5, 11, 5, 2, 91, 550, 5007, 0, 8, 30, 272, 5011, 0, 5, 11, 13, 97, 627, 942, 11530, 0, 8, 13, 7, 67, 1028, 40331, 0, 7, 5, 16, 106, 3486, 1304, 20098, 0, 8, 15, 827, 4251, 0, 5, 12, 80, 149, 1911, 9322, 0, 7, 20, 194, 2984, 0, 5, 12, 12, 1, 119, 2065, 0, 7, 12, 6, 67, 39, 158, 1501, 217, 1310, 19406, 0, 11, 57, 2944, 43186, 0, 5, 23, 791, 933, 2335, 18734, 0, 7, 23, 7, 2, 83, 529, 8751, 0, 8, 55, 162, 779, 4136, 0, 6, 35, 1157, 13770, 0, 5, 26, 132, 2125, 10470, 0, 6, 11, 38, 773, 41774, 0, 6, 6, 1, 60, 296, 3794, 0, 7, 36, 775, 2322, 12787, 0, 6, 12, 67, 66, 861, 1369, 38813, 0, 8, 44, 610, 1010, 6235, 15781, 0, 7, 21, 171, 219, 7428, 0, 6, 21, 6, 2, 65, 822, 311, 7288, 9173, 0, 10, 633, 3242, 36170, 0, 5, 61, 191, 2942, 28878, 0, 6, 19, 368, 1813, 0, 5, 11, 66, 46, 501, 3111, 0, 7, 39, 118, 1912, 23267, 0, 6, 18, 342, 1126, 18569, 0, 6, 6, 1, 79, 515, 1185, 5269, 0, 8, 66, 26, 100, 615, 10710, 0, 7, 27, 327, 6310, 0, 5, 39, 32, 320, 4329, 7605, 0, 7, 12, 93, 453, 8045, 0, 6, 32, 12, 7, 9, 260, 2205, 14495, 0, 9, 5, 23, 153, 430, 27359, 0, 7, 13, 221, 3488, 0, 5, 11, 73, 372, 2930, 40841, 0, 7, 12, 27, 47, 900, 9472, 0, 7, 7, 1, 68, 1045, 12114, 0, 7, 6, 43, 844, 35411, 0, 6, 5, 28, 286, 1978, 627, 262, 3234, 0, 9, 48, 299, 2815, 15085, 0, 6, 15, 253, 3788, 36178, 0, 6, 6, 1, 34, 935, 20207, 0, 7, 34, 5, 29, 514, 2912, 33274, 0, 8, 109, 729, 670, 3942, 0, 6, 20, 268, 659, 38647, 0, 6, 6, 1, 27, 69, 363, 3037, 1347, 21298, 0, 10, 174, 3440, 1161, 4682, 26907, 0, 7, 37, 957, 2041, 0, 5, 40, 658, 7830, 0, 5, 5, 1, 27, 27, 1, 3, 1246, 34934, 0, 10, 27, 7, 22, 587, 6279, 0, 7, 5, 17, 676, 10907, 23224, 0, 7, 7, 1, 21, 227, 2062, 4662, 0, 8, 71, 1267, 6600, 0, 5, 19, 217, 321, 8521, 0, 6, 69, 67, 265, 12515, 0, 6, 6, 1, 25, 760, 10602, 0, 7, 31, 549, 7534, 0, 5, 24, 830, 1147, 6237, 0, 6, 17, 49, 480, 7648, 0, 6, 6, 1, 24, 14, 643, 2344, 0, 8, 49, 13, 189, 7003, 30575, 0, 7, 32, 211, 4383, 0, 5, 32, 5, 2, 294, 914, 5565, 0, 8, 20, 134, 2087, 16438, 0, 6, 33, 801, 10287, 24510, 0, 6, 6, 1, 40, 120, 1644, 4287, 9595, 0, 9, 188, 3600, 0, 4, 562, 6522, 13905, 0, 5, 36, 359, 8519, 0, 5, 5, 1, 23, 251, 1575, 20397, 0, 8, 43, 224, 3154, 12584, 0, 6, 36, 19, 114, 844, 232, 14592, 6252, 18070, 0, 10, 150, 2318, 14367, 0, 5, 28, 239, 1027, 25356, 0, 6, 21, 145, 2779, 30844, 0, 6, 6, 1, 41, 745, 11006, 0, 7, 96, 1807, 12179, 0, 5, 24, 114, 38, 431, 3333, 0, 7, 12, 291, 12376, 0, 5, 12, 5, 2, 108, 3112, 35821, 0, 8, 65, 407, 34367, 0, 5, 11, 316, 1482, 7778, 0, 6, 42, 1543, 20435, 0, 5, 11, 11, 1, 49, 147, 703, 3132, 0, 9, 112, 1715, 2201, 2529, 30278, 0, 7, 45, 756, 25913, 0, 5, 21, 75, 1459, 27425, 0, 6, 32, 159, 1169, 1202, 6962, 0, 7, 18, 421, 1340, 4152, 21372, 0, 7, 7, 1, 40, 153, 381, 4178, 30006, 0, 9, 41, 96, 92, 1298, 18179, 0, 7, 15, 342, 444, 2155, 18033, 0, 7, 7, 1, 23, 153, 23, 2, 91, 641, 22617, 0, 11, 73, 401, 2435, 11661, 0, 6, 54, 2197, 8339, 30378, 0, 6, 6, 1, 23, 21, 69, 273, 9474, 0, 9, 46, 494, 2503, 0, 5, 80, 633, 518, 11442, 0, 6, 19, 181, 4755, 40353, 0, 6, 6, 1, 26, 487, 4017, 5120, 4036, 32862, 0, 10, 188, 226, 2263, 0, 5, 27, 343, 13025, 0, 5, 5, 1, 20, 259, 897, 35181, 0, 8, 157, 2262, 10977, 31595, 0, 6, 33, 265, 328, 4868, 4221, 18784, 0, 8, 14, 304, 2894, 0, 5, 26, 45, 145, 215, 1406, 16751, 0, 8, 13, 311, 590, 1781, 28096, 0, 7, 110, 7285, 0, 4, 278, 1576, 11206, 33144, 0, 6, 38, 219, 616, 4069, 0, 6, 6, 1, 58, 1954, 0, 6, 5, 38, 13, 31, 369, 2848, 31513, 0, 9, 110, 31, 7, 34, 481, 3480, 3900, 6396, 0, 10, 93, 569, 10793, 0, 5, 23, 132, 693, 12318, 0, 6, 30, 793, 13224, 12048, 0, 6, 6, 1, 42, 240, 4495, 0, 7, 31, 33, 94, 4338, 0, 6, 12, 270, 1875, 1026, 2527, 2084, 13419, 0, 9, 49, 252, 3206, 8582, 0, 6, 15, 204, 1817, 0, 5, 45, 105, 1001, 13171, 0, 6, 11, 198, 1118, 8018, 0, 6, 6, 1, 45, 14, 126, 2911, 38418, 0, 9, 32, 260, 632, 11072, 0, 6, 14, 12, 48, 586, 4915, 14548, 0, 8, 133, 1426, 20331, 0, 5, 40, 263, 5025, 9872, 0, 6, 19, 205, 5662, 0, 5, 11, 45, 38, 121, 3412, 28415, 0, 8, 24, 361, 2378, 2701, 22328, 0, 7, 92, 280, 4730, 0, 5, 20, 202, 3507, 0, 5, 5, 1, 64, 1996, 2647, 25110, 0, 8, 25, 524, 7594, 0, 5, 12, 61, 767, 4303, 0, 6, 49, 106, 906, 2799, 43500, 0, 7, 36, 443, 6431, 0, 5, 18, 339, 6895, 0, 5, 5, 1, 36, 12, 26, 222, 3654, 0, 9, 100, 758, 9173, 808, 8204, 0, 7, 26, 12, 14, 103, 1397, 7282, 0, 8, 52, 1277, 11594, 0, 5, 28, 467, 8936, 0, 5, 5, 1, 34, 205, 102, 1524, 24761, 0, 9, 34, 7, 29, 693, 201, 3600, 528, 2991, 4990, 6230, 5388, 18229, 0, 14, 38, 116, 1407, 20069, 0, 6, 80, 340, 1473, 30812, 0, 6, 6, 1, 35, 926, 6621, 0, 7, 31, 214, 4019, 14159, 0, 6, 12, 65, 477, 19726, 0, 6, 6, 1, 19, 156, 6972, 0, 7, 19, 5, 62, 1434, 17278, 0, 7, 7, 1, 14, 48, 188, 361, 159, 458, 2221, 27745, 0, 12, 31, 38, 58, 301, 7024, 0, 7, 18, 126, 218, 4410, 0, 6, 38, 12, 15, 246, 5883, 0, 7, 13, 313, 1186, 10618, 0, 6, 13, 6, 2, 451, 6958, 0, 7, 13, 7, 2, 7, 2, 2, 1, 50, 1393, 23701, 0, 12, 30, 310, 5761, 0, 5, 67, 723, 6194, 0, 5, 5, 1, 17, 707, 4674, 2749, 0, 8, 153, 488, 4478, 33389, 0, 6, 41, 511, 15414, 0, 5, 18, 67, 25, 218, 68, 881, 43152, 0, 9, 154, 6176, 0, 4, 400, 4357, 22940, 0, 5, 18, 18, 1, 38, 82, 2517, 19583, 0, 9, 18, 8, 40, 289, 1489, 8262, 0, 8, 6, 41, 41, 1, 18, 12, 70, 2467, 22057, 0, 11, 294, 741, 3929, 0, 5, 33, 376, 9836, 0, 5, 5, 1, 19, 151, 3130, 13104, 1882, 28672, 0, 10, 416, 5035, 11876, 0, 5, 14, 155, 2535, 0, 5, 5, 1, 20, 307, 8863, 0, 7, 120, 758, 262, 946, 3046, 6596, 0, 8, 56, 1275, 7507, 0, 5, 19, 38, 76, 2730, 17428, 0, 7, 20, 25, 102, 255, 3072, 0, 7, 7, 1, 34, 257, 1683, 2963, 2645, 20005, 0, 10, 54, 605, 3167, 17241, 0, 6, 90, 2662, 7953, 0, 5, 35, 248, 12140, 0, 5, 5, 1, 26, 310, 167, 2612, 0, 8, 53, 1321, 28039, 0, 5, 12, 109, 980, 8157, 0, 6, 29, 298, 3503, 10812, 0, 6, 6, 1, 25, 59, 1360, 4272, 0, 8, 25, 6, 9, 145, 576, 3440, 981, 0, 9, 6, 8, 11, 135, 2029, 0, 7, 74, 4109, 19881, 0, 5, 41, 153, 202, 420, 1591, 12283, 0, 8, 18, 159, 279, 4627, 0, 6, 25, 35, 74, 21, 683, 4795, 33545, 0, 9, 35, 8, 17, 232, 853, 31928, 0, 8, 6, 18, 24, 464, 7092, 10579, 0, 8, 8, 1, 68, 227, 996, 2677, 3609, 28627, 0, 10, 119, 1323, 12166, 0, 5, 54, 124, 1411, 37875, 0, 6, 28, 409, 2159, 34908, 0, 6, 6, 1, 27, 696, 19317, 0, 7, 78, 1656, 12900, 0, 5, 24, 45, 517, 9800, 0, 6, 17, 59, 111, 2191, 13382, 0, 7, 18, 59, 7, 3, 1070, 0, 7, 4, 276, 2029, 108, 878, 6633, 15091, 0, 9, 84, 3124, 0, 4, 12, 152, 5966, 36604, 0, 6, 33, 256, 1967, 0, 5, 44, 1317, 0, 4, 15, 375, 2800, 37139, 0, 6, 15, 6, 2, 360, 7304, 0, 7, 41, 139, 2605, 34489, 0, 6, 11, 155, 264, 11999, 0, 6, 6, 1, 85, 1861, 0, 6, 5, 36, 534, 2165, 0, 6, 6, 1, 12, 54, 112, 914, 1052, 6623, 0, 10, 124, 118, 1322, 9399, 0, 6, 15, 47, 1254, 11662, 0, 6, 6, 1, 22, 1156, 2921, 0, 7, 53, 238, 2081, 9982, 27874, 0, 7, 7, 1, 14, 320, 1317, 80, 519, 13926, 0, 10, 36, 51, 1971, 25654, 0, 6, 29, 250, 4331, 0, 5, 62, 501, 1374, 22554, 0, 6, 11, 81, 2058, 31595, 841, 20918, 0, 8, 194, 1515, 38780, 0, 5, 19, 333, 3385, 0, 5, 5, 1, 45, 167, 297, 2214, 15448, 0, 9, 146, 6881, 0, 4, 131, 1991, 21909, 0, 5, 17, 178, 9183, 0, 5, 5, 1, 23, 804, 29893, 0, 7, 74, 258, 2778, 24418, 0, 6, 54, 114, 1072, 6923, 4789, 0, 7, 13, 518, 941, 1899, 8329, 0, 7, 7, 1, 27, 228, 6687, 0, 7, 6, 22, 115, 9552, 30465, 0, 7, 7, 1, 14, 109, 351, 16519, 0, 8, 82, 484, 39805, 0, 5, 53, 129, 4043, 39771, 0, 6, 25, 313, 571, 9746, 31264, 0, 7, 25, 7, 2, 202, 335, 2052, 8342, 0, 9, 90, 407, 1115, 5388, 671, 4520, 25293, 0, 9, 9, 1, 44, 232, 329, 3571, 41925, 0, 9, 8, 46, 1022, 14949, 0, 6, 40, 528, 697, 11118, 0, 6, 6, 1, 21, 358, 3203, 18766, 0, 8, 19, 142, 3648, 0, 5, 65, 681, 5630, 0, 5, 5, 1, 18, 302, 6109, 16702, 0, 8, 18, 6, 27, 105, 891, 16892, 0, 8, 8, 1, 16, 1710,

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2 37725, 0, 7, 78, 341, 4714, 2734, 34012, 0, 7, 7, 1, 14, 113, 3548, 0, 7, 6, 28, 369, 985, 4124, 23626, 0, 8, 28, 7, 10, 230, 2882, 28208, 0, 8, 8, 1, 23, 177, 5535, 0, 7, 13, 164, 1954, 1015, 10892, 0, 7, 7, 1, 14, 37, 1452, 33561, 0, 8, 21, 91, 1153, 38379, 0, 6, 43, 1309, 5227, 5535, 27, 75, 1211, 5736, 0, 10, 43, 10, 2, 148, 4105, 0, 7, 30, 708, 12873, 0, 5, 102, 579, 2997, 9380, 0, 6, 28, 64, 913, 16862, 0, 6, 6, 1, 48, 781, 6364, 0, 7, 24, 435, 4349, 0, 5, 24, 5, 2, 36, 312, 4460, 26677, 0, 9, 166, 2291, 40642, 0, 5, 12, 367, 5960, 31317, 0, 6, 31, 802, 8021, 23785, 0, 6, 6, 1, 38, 639, 26671, 0, 7, 38, 5, 21, 87, 3253, 33879, 0, 8, 93, 1099, 8436, 0, 5, 11, 338, 11566, 0, 5, 5, 1, 25, 237, 10733, 0, 7, 25, 5, 8, 20, 666, 2162, 0, 8, 5, 7, 10, 103, 946, 692, 7768, 0, 9, 66, 1722, 5760, 0, 5, 13, 147, 1351, 5540, 40654, 0, 7, 19, 224, 1442, 42472, 0, 6, 66, 18, 213, 4589, 0, 6, 6, 1, 48, 111, 534, 462, 14970, 0, 9, 33, 509, 4283, 27259, 0, 6, 14, 172, 2188, 0, 5, 39, 1754, 13102, 0, 5, 5, 1, 25, 68, 604, 18330, 0, 8, 66, 39, 14, 20, 74, 380, 4875, 0, 9, 33, 33, 1, 18, 50, 887, 2842, 0, 9, 9, 1, 8, 21, 118, 498, 2273, 6169, 0, 10, 91, 211, 1571, 24264, 4438, 0, 7, 80, 481, 1232, 7602, 11424, 0, 7, 7, 1, 24, 176, 3028, 0, 7, 6, 68, 55, 1940, 3618, 5796, 0, 8, 36, 186, 2855, 10312, 0, 6, 13, 115, 411, 6740, 0, 6, 6, 1, 27, 245, 3437, 13120, 0, 8, 20, 74, 74, 1, 10, 54, 452, 17339, 0, 10, 5, 95, 2627, 0, 5, 4, 486, 12969, 0, 5, 5, 1, 18, 87, 196, 2924, 0, 8, 28, 255, 840, 13942, 0, 6, 41, 622, 6430, 0, 5, 18, 17, 505, 2622, 14560, 0, 7, 74, 44, 420, 772, 20409, 0, 7, 7, 1, 33, 122, 2135, 25436, 0, 8, 33, 6, 29, 575, 11330, 0, 7, 14, 143, 3889, 29410, 0, 6, 11, 237, 230, 364, 2970, 24557, 0, 8, 21, 138, 2433, 5278, 18197, 0, 7, 21, 7, 2, 298, 853, 793, 1349, 7028, 6012, 0, 11, 25, 183, 14409, 0, 5, 66, 182, 2750, 28006, 0, 6, 37, 377, 13954, 0, 5, 11, 17, 77, 4016, 22799, 0, 7, 32, 1319, 20154, 0, 5, 12, 323, 8565, 0, 5, 5, 1, 80, 177, 416, 988, 13564, 0, 9, 200, 6759, 27296, 0, 5, 13, 161, 2951, 0, 5, 5, 1, 19, 276, 783, 2676, 0, 8, 78, 473, 8442, 0, 5, 12, 37, 55, 193, 2983, 0, 7, 49, 1294, 4824, 8657, 10708, 0, 7, 7, 1, 27, 187, 4699, 9105, 0, 8, 27, 6, 78, 29, 127, 3199, 24088, 0, 9, 54, 191, 2090, 0, 5, 36, 221, 2016, 26609, 0, 6, 18, 168, 5973, 0, 5, 11, 96, 1645, 23913, 11492, 0, 7, 39, 295, 3576, 15222, 0, 6, 18, 18, 1, 47, 775, 2164, 12848, 0, 9, 38, 410, 4720, 19041, 0, 6, 15, 788, 31236, 0, 5, 33, 184, 2508, 32533, 0, 6, 11, 39, 33, 8, 68, 282, 3230, 2339, 0, 10, 251, 1830, 12975, 0, 5, 21, 177, 131, 738, 21236, 0, 7, 54, 77, 156, 1289, 8249, 21711, 0, 8, 26, 1060, 12903, 0, 5, 20, 286, 2068, 26856, 0, 6, 41, 258, 745, 1822, 4360, 4016, 178, 762, 2824, 30677, 0, 12, 138, 221, 103, 446, 3458, 16802, 23596, 0, 9, 79, 2175, 8399, 0, 5, 32, 195, 4049, 20332, 0, 6, 32, 6, 2, 235, 3815, 44372, 0, 8, 51, 849, 35039, 0, 5, 19, 183, 237, 264, 920, 4010, 0, 8, 13, 198, 1556, 5615, 0, 6, 25, 251, 91, 402, 11872, 0, 7, 85, 932, 12107, 0, 5, 26, 82, 775, 136, 2459, 40433, 0, 8, 26, 8, 2, 47, 146, 849, 43, 622, 343, 1733, 0, 12, 79, 70, 1260, 4507, 13631, 0, 7, 32, 66, 286, 105, 718, 7785, 0, 8, 25, 47, 25, 2, 28, 374, 11486, 0, 9, 94, 1648, 6884, 0, 5, 49, 240, 1660, 6368, 0, 6, 67, 1334, 30655, 0, 5, 11, 172, 518, 864, 17927, 0, 7, 40, 790, 23272, 4764, 34291, 0, 7, 7, 1, 211, 487, 1807, 1964, 0, 8, 47, 46, 811, 7486, 39665, 0, 7, 14, 384, 12026, 0, 5, 34, 1262, 0, 4, 445, 5001, 0, 4, 4, 1, 28, 65, 809, 5727, 5558, 0, 9, 67, 56, 1301, 24946, 0, 6, 62, 987, 19888, 0, 5, 28, 18, 260, 1682, 22806, 0, 7, 40, 62, 13, 149, 2509, 26500, 0, 8, 55, 333, 988, 364, 426, 2824, 205, 1574, 36290, 0, 11, 87, 488, 1439, 11658, 21959, 0, 7, 26, 147, 647, 5761, 1465, 11481, 0, 8, 26, 8, 2, 127, 338, 692, 669, 26131, 6425, 0, 11, 26, 11, 2, 1, 1, 2, 2, 1, 77, 270, 1781, 1858, 18339, 0, 14, 98, 3103, 0, 4, 89, 3185, 3614, 0, 5, 75, 810, 19308, 0, 5, 5, 1, 23, 848, 4817, 20946, 0, 8, 45, 1054, 25865, 0, 5, 12, 196, 555, 7465, 0, 6, 104, 3664, 29599, 0, 5, 11, 49, 178, 293, 2699, 31812, 0, 8, 24, 630, 24683, 0, 5, 13, 108, 1229, 3604, 41084, 0, 7, 91, 256, 1219, 20884, 0, 6, 31, 804, 1073, 21649, 0, 6, 6, 1, 56, 148, 866, 8273, 21942, 0, 9, 156, 355, 4718, 19716, 5532, 19066, 0, 8, 41, 346, 10074, 0, 5, 41, 5, 2, 103, 340, 1688, 6776, 0, 9, 22, 1077, 12058, 0, 5, 12, 79, 275, 3512, 19502, 0, 7, 55, 164, 940, 3092, 0, 6, 48, 778, 13936, 0, 5, 18, 189, 2301, 38100, 0, 6, 11, 92, 1833, 40061, 0, 6, 6, 1, 66, 298, 598, 4585, 0, 8, 57, 2681, 0, 4, 144, 3904, 0, 4, 4, 1, 16, 1023, 14711, 0, 7, 46, 264, 371, 6629, 0, 6, 28, 231, 9278, 20301, 0, 6, 6, 1, 19, 387, 4712, 0, 7, 19, 5, 56, 108, 129, 1138, 11775, 0, 9, 86, 4396, 0, 4, 38, 508, 14382, 0, 5, 16, 42, 1996, 1887, 0, 6, 30, 991, 20819, 0, 5, 11, 77, 215, 2080, 26388, 0, 7, 36, 564, 6705, 20070, 0, 6, 18, 96, 559, 7563, 0, 6, 6, 1, 55, 115, 793, 687, 15622, 0, 9, 48, 116, 1834, 4524, 6925, 15828, 0, 8, 99, 3202, 35537, 0, 5, 41, 156, 170, 3194, 0, 6, 27, 618, 7816, 0, 5, 11, 52, 1892, 15031, 0, 6, 11, 6, 2, 173, 7782, 0, 7, 58, 1812, 20909, 0, 5, 18, 57, 134, 2436, 0, 6, 16, 87, 324, 3722, 11588, 0, 7, 18, 13, 240, 430, 2663, 0, 7, 7, 1, 71, 2526, 0, 6, 20, 568, 4641, 42474, 0, 6, 6, 1, 12, 205, 357, 10355, 21872, 0, 9, 83, 2840, 6556, 0, 5, 46, 164, 210, 2968, 22712, 5934, 0, 8, 88, 6438, 28401, 0, 5, 13, 45, 315, 5755, 23255, 0, 7, 45, 6, 35, 1600, 16073, 0, 7, 7, 1, 41, 104, 320, 1430, 23509, 0, 9, 41, 7, 10, 652, 10217, 0, 7, 5, 31, 303, 8329, 1356, 20674, 0, 8, 43, 548, 12490, 0, 5, 12, 68, 676, 2621, 22131, 0, 7, 20, 83, 69, 2331, 0, 6, 47, 498, 998, 20470, 0, 6, 6, 1, 48, 165, 4038, 0, 7, 19, 227, 1642, 0, 5, 31, 43, 37, 797, 3417, 0, 7, 12, 38, 227, 13, 84, 1592, 4922, 22328, 2129, 0, 11, 162, 2944, 2965, 0, 5, 23, 417, 5816, 23055, 0, 6, 40, 498, 47, 49, 403, 4795, 1703, 29969, 0, 10, 87, 165, 49, 9, 94, 597, 6051, 0, 9, 5, 26, 473, 850, 14334, 0, 7, 48, 65, 549, 2669, 41414, 0, 7, 7, 1, 74, 979, 3951, 0, 7, 6, 41, 121, 2195, 16617, 0, 7, 7, 1, 14, 489, 9699, 0, 7, 6, 14, 6, 2, 229, 6618, 0, 8, 127, 523, 4963, 39516, 0, 6, 11, 80, 924, 40301, 0, 6, 6, 1, 27, 261, 5121, 34089, 0, 8, 20, 135, 1809, 5752, 0, 6, 13, 107, 4808, 20328, 0, 6, 6, 1, 20, 14, 42, 340, 442, 13976, 0, 10, 94, 90, 1479, 8997, 0, 6, 15, 860, 8008, 0, 5, 95, 1094, 26012, 0, 5, 5, 1, 26, 102, 1346, 0, 7, 73, 2525, 12089, 0, 5, 11, 64, 1349, 1029, 9862, 0, 7, 12, 161, 982, 43405, 0, 6, 35, 239, 2678, 4787, 0, 6, 6, 1, 31, 182, 1038, 16896, 0, 8, 77, 390, 4801, 0, 5, 32, 764, 10487, 0, 5, 5, 1, 18, 320, 257, 1967, 1772, 32090, 0, 10, 75, 609, 10214, 7190, 0, 6, 33, 922, 3947, 40727, 0, 6, 6, 1, 22, 531, 5731, 29153, 0, 8, 40, 199, 4010, 849, 816, 9513, 0, 8, 8, 1, 16, 365, 17230, 0, 7, 75, 35, 70, 822, 3112, 2711, 0, 8, 14, 125, 5040, 0, 5, 57, 388, 3490, 0, 5, 5, 1, 25, 824, 6036, 35196, 0, 8, 18, 69, 292, 8867, 0, 6, 54, 963, 6860, 0, 5, 18, 11, 120, 2077, 4901, 0, 7, 44, 1201, 33413, 0, 5, 12, 124, 1808, 0, 5, 5, 1, 36, 495, 13218, 6973, 0, 8, 36, 6, 32, 114, 1715, 2743, 0, 8, 8, 1, 16, 77, 128, 4380, 15889, 0, 9, 274, 12824, 0, 4, 545, 6836, 10060, 0, 5, 33, 117, 4346, 9331, 0, 6, 30, 545, 12, 47, 309, 3575, 0, 8, 31, 163, 7790, 0, 5, 19, 355, 681, 1653, 9771, 0, 7, 70, 112, 1879, 7316, 0, 6, 26, 212, 3975, 23048, 0, 6, 6, 1, 56, 601, 7762, 0, 7, 19, 26, 14, 127, 288, 5814, 11838, 0, 9, 63, 4316, 23422, 0, 5, 40, 162, 373, 13635, 0, 6, 26, 19, 21, 1093, 21959, 846, 4447, 35155, 0, 10, 198, 1021, 28104, 0, 5, 21, 13, 295, 1154, 18455, 0, 7, 42, 291, 2891, 39356, 0, 6, 28, 669, 854, 10196, 0, 6, 6, 1, 61, 2520, 11383, 0, 7, 19, 40, 48, 384, 948, 7678, 0, 8, 100, 2502, 22462, 0, 5, 39, 1159, 0, 4, 128, 137, 5872, 15328, 0, 6, 29, 1231, 3921, 32842, 0, 6, 6, 1, 36, 163, 123, 5700, 32965, 0, 9, 90, 341, 1749, 6378, 0, 6, 14, 103, 797, 480, 3084, 11853, 0, 8, 44, 202, 1841, 14607, 22580, 0, 7, 59, 2092, 0, 4, 46, 587, 3157, 14791, 0, 6, 25, 243, 3535, 9206, 6213, 0, 7, 17, 1357, 17477, 0, 5, 68, 548, 554, 12703, 17649, 0, 7, 12, 186, 1506, 35239, 0, 6, 25, 25, 1, 66, 806, 5671, 0, 8, 50, 1564, 11706, 0, 5, 26, 148, 882, 31600, 0, 6, 19, 113, 1815, 13800, 0, 6, 6, 1, 24, 922, 344, 4454, 25621, 0, 9, 90, 90, 1, 10, 163, 100, 125, 319, 16572, 0, 11, 294, 2408, 35206, 0, 5, 37, 579, 1775, 10969, 0, 6, 30, 250, 2060, 11021, 0, 6, 6, 1, 27, 490, 14444, 0, 7, 75, 357, 698, 24577, 0, 6, 12, 81, 2068, 1281, 8531, 30033, 0, 8, 75, 14, 134, 747, 8569, 0, 7, 21, 210, 707, 2517, 2479, 12643, 0, 8, 15, 490, 34, 1135, 5171, 34838, 0, 8, 8, 1, 44, 150, 3149, 8058, 0, 8, 7, 25, 114, 339, 2718, 6099, 0, 8, 8, 1, 16, 340, 528, 1977, 18846, 0, 9, 97, 3665, 29475, 0, 5, 86, 890, 4885, 0, 5, 5, 1, 19, 124, 382, 6127, 0, 8, 26, 136, 1276, 26050, 0, 6, 80, 588, 16607, 0, 5, 18, 411, 1665, 0, 5, 5, 1, 24, 140, 3787, 11158, 30834, 0, 9, 43, 704, 16765, 12382, 11710, 0, 7, 66, 178, 1083, 14618, 16070, 0, 7, 7, 1, 23, 698, 120, 441, 6726, 38067, 0, 10, 160, 9035, 0, 4, 233, 6629, 982, 565, 10908, 0, 7, 20, 615, 3555, 0, 5, 48, 306, 21064, 0, 5, 5, 1, 31, 407, 2097, 28760, 7381, 17074, 0, 10, 31, 8, 82, 1359, 8345, 0, 7, 27, 172, 1305, 7166, 0, 6, 87, 734, 5554, 35042, 0, 6, 6, 1, 29, 321, 3412, 2906, 0, 8, 25, 141, 3939, 0, 5, 41, 722, 10815, 0, 5, 5, 1, 18, 108, 1029, 637, 6692, 0, 9, 101, 6369, 0, 4, 77, 494, 3158, 33024, 0, 6, 36, 348, 4742, 0, 5, 23, 100, 252, 3011, 7694, 0, 7, 61, 396, 8820, 0, 5, 12, 227, 825, 9214, 0, 6, 23, 18, 41, 49, 801, 3404, 5613, 0, 9, 42, 430, 966, 22886, 0, 6, 15, 225, 4748, 0, 5, 26, 179, 6122, 0, 5, 5, 1, 67, 1353, 6173, 0, 7, 43, 166, 2033, 37606, 0, 6, 23, 38, 870, 15153, 0, 6, 6, 1, 19, 211, 1408, 0, 7, 19, 5, 27, 125, 322, 10238, 29014, 0, 9, 51, 1528, 10141, 0, 5, 12, 71, 1016, 4566, 0, 6, 26, 51, 12, 8, 127, 535, 10343, 20500, 0, 10, 160, 191, 1685, 7037, 0, 6, 16, 271, 8171, 0, 5, 27, 39, 482, 16089, 0, 6, 11, 362, 6269, 0, 5, 11, 5, 2, 858, 5771, 4639, 0, 8, 36, 134, 335, 2302, 27505, 0, 7, 67, 91, 1310, 3910, 34652, 0, 7, 7, 1, 81, 359, 3504, 0, 7, 6, 35, 728, 16790, 0, 5, 34, 347, 20640, 0, 6, 6, 1, 19, 95, 842, 9779, 21410, 0, 9, 93, 2121, 28615, 0, 5, 19, 12, 86, 332, 4661, 0, 7, 33, 673, 9001, 0, 5, 12, 11, 68, 493, 37823, 0, 7, 12, 7, 2, 74, 955, 9253, 28361, 0, 9, 33, 21, 405, 5130, 0, 6, 47, 691, 7117, 0, 5, 27, 105, 1605, 18239, 0, 6, 11, 32, 736, 13685, 0, 6, 6, 1, 65, 994, 20825, 0, 7, 37, 474, 9638, 0, 5, 24, 362, 123, 592, 39203, 0, 7, 12, 51, 157, 3372, 0, 6, 24, 13, 662, 8700, 38730, 0, 7, 13, 6, 9, 58, 1221, 33435, 0, 8, 138, 1745, 7582, 0, 5, 33, 68, 83, 1118, 3266, 18698, 0, 8, 13, 21, 76, 2883, 6497, 27285, 0, 8, 8, 1, 61, 283, 5087, 20502, 0, 8, 7, 38, 240, 1237, 0, 6, 41, 282, 1829, 0, 5, 35, 156, 1290, 10199, 0, 6, 11, 92, 1414, 18707, 0, 6, 6, 1, 31, 382, 467, 3180, 45846, 0, 9, 66, 437,

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2 5755, 1222, 0, 6, 14, 540, 7126, 27191, 0, 6, 6, 1, 21, 61, 53, 2532, 11256, 8890, 0, 10, 251, 1780, 6734, 41127, 0, 6, 15, 323, 2010, 42380, 0, 6, 6, 1, 22, 963, 910, 23173, 0, 8, 74, 172, 424, 9212, 6707, 14718, 0, 8, 8, 1, 16, 275, 1504, 17289, 0, 8, 7, 90, 642, 26159, 0, 6, 29, 432, 5089, 0, 5, 90, 10, 49, 378, 5648, 14139, 0, 8, 19, 229, 1140, 15523, 0, 6, 19, 6, 2, 216, 9729, 0, 7, 31, 97, 578, 14958, 0, 6, 11, 111, 2314, 10744, 0, 6, 5, 1, 52, 1403, 44686, 0, 7, 19, 26, 349, 4410, 3203, 2573, 46473, 0, 9, 118, 2283, 23860, 0, 5, 54, 997, 18289, 0, 5, 5, 1, 26, 20, 540, 125, 389, 6704, 0, 10, 67, 330, 9660, 0, 5, 14, 137, 838, 12145, 0, 6, 46, 798, 14954, 28177, 0, 6, 6, 1, 27, 270, 1723, 24282, 0, 8, 86, 313, 2673, 0, 5, 25, 530, 8038, 0, 5, 5, 1, 18, 484, 2696, 23133, 0, 8, 18, 6, 27, 26, 54, 62, 1803, 13155, 0, 10, 53, 175, 10936, 30691, 0, 6, 14, 54, 13, 247, 7321, 32901, 0, 8, 24, 281, 6940, 0, 5, 36, 409, 2987, 7037, 439, 9349, 5744, 0, 9, 101, 562, 3912, 6946, 0, 6, 28, 950, 22596, 0, 5, 20, 99, 1547, 23815, 0, 6, 11, 140, 687, 1566, 39151, 0, 7, 134, 441, 669, 969, 12042, 0, 7, 7, 1, 77, 591, 7734, 0, 7, 6, 22, 222, 3469, 4864, 18796, 0, 8, 60, 4316, 1029, 615, 676, 1447, 5898, 0, 9, 55, 1605, 386, 15047, 0, 6, 22, 22, 1, 31, 193, 2226, 0, 8, 23, 560, 5711, 0, 5, 63, 1057, 15529, 23856, 0, 6, 19, 190, 4482, 0, 5, 11, 68, 360, 3008, 14303, 0, 7, 54, 113, 910, 275, 261, 1358, 23365, 0, 9, 46, 171, 4345, 0, 5, 21, 311, 3750, 0, 5, 5, 1, 49, 261, 18, 153, 3171, 34033, 0, 10, 149, 1955, 13716, 14480, 0, 6, 47, 464, 3150, 10480, 0, 6, 6, 1, 22, 73, 1348, 0, 7, 48, 763, 18819, 0, 5, 33, 420, 2427, 0, 5, 5, 1, 17, 1007, 8457, 0, 7, 17, 5, 8, 91, 570, 6937, 33260, 0, 9, 65, 484, 210, 914, 3057, 0, 7, 16, 340, 886, 22643, 0, 6, 45, 1614, 25974, 0, 5, 25, 235, 2187, 39194, 0, 6, 11, 105, 522, 21412, 0, 6, 6, 1, 46, 97, 327, 4377, 0, 8, 44, 933, 4513, 0, 5, 25, 25, 1, 14, 234, 18604, 0, 8, 13, 237, 2208, 27424, 0, 6, 26, 258, 2260, 28657, 0, 6, 6, 1, 19, 151, 3419, 0, 7, 63, 162, 1214, 25128, 0, 6, 12, 543, 5596, 33389, 3499, 0, 7, 13, 32, 575, 2516, 11610, 0, 7, 7, 1, 27, 294, 1051, 19061, 0, 8, 47, 137, 340, 92, 500, 11377, 0, 8, 8, 1, 16, 101, 275, 181, 3981, 0, 9, 115, 1830, 2349, 0, 5, 77, 253, 4383, 4235, 0, 6, 50, 1121, 5043, 0, 5, 11, 107, 1548, 17824, 0, 6, 11, 6, 2, 439, 311, 200, 2495, 6716, 0, 10, 192, 5450, 0, 4, 875, 15986, 0, 4, 4, 1, 49, 210, 156, 564, 1889, 16758, 0, 10, 18, 216, 465, 19821, 0, 6, 32, 87, 933, 134, 316, 4163, 0, 8, 72, 5949, 0, 4, 27, 91, 190, 270, 413, 5109, 26971, 0, 9, 77, 72, 14, 148, 1184, 11757, 24396, 0, 9, 9, 1, 46, 171, 268, 4440, 0, 8, 30, 1156, 3244, 30026, 0, 6, 44, 177, 2444, 0, 5, 89, 2160, 19923, 0, 5, 5, 1, 24, 407, 1009, 27517, 0, 8, 24, 6, 20, 390, 1581, 7772, 0, 8, 8, 1, 16, 135, 1666, 16388, 0, 8, 7, 159, 3463, 0, 5, 28, 414, 9566, 0, 5, 5, 1, 18, 96, 1985, 11013, 0, 8, 18, 6, 34, 825, 969, 410, 2532, 641, 4181, 26213, 0, 12, 202, 1323, 3452, 10650, 0, 6, 16, 42, 972, 19511, 0, 6, 6, 1, 32, 122, 2733, 31731, 0, 8, 32, 6, 9, 100, 1014, 5244, 31995, 0, 9, 6, 8, 11, 173, 1987, 26845, 0, 8, 6, 8, 2, 179, 993, 10390, 0, 8, 6, 8, 2, 8, 2, 2, 1, 38, 747, 1249, 6963, 0, 13, 253, 216, 172, 681, 1522, 40323, 0, 8, 17, 354, 10400, 0, 5, 90, 666, 2993, 7042, 0, 6, 31, 458, 3848, 19852, 0, 6, 6, 1, 33, 385, 6197, 15588, 0, 8, 25, 326, 7124, 0, 5, 25, 5, 2, 48, 404, 8435, 0, 8, 13, 47, 286, 2488, 7761, 0, 7, 140, 538, 5295, 0, 5, 18, 128, 1476, 24832, 0, 6, 38, 70, 1579, 10617, 0, 6, 6, 1, 45, 396, 1115, 3288, 0, 8, 32, 116, 2124, 6494, 0, 6, 13, 38, 21, 483, 20500, 1042, 9785, 11712, 21893, 0, 11, 121, 1895, 7052, 0, 5, 42, 151, 372, 4742, 1156, 231, 2220, 19136, 0, 10, 282, 857, 5209, 0, 5, 15, 809, 2479, 1363, 29396, 0, 7, 69, 1723, 686, 10139, 29972, 0, 7, 7, 1, 59, 1506, 1476, 73, 501, 3473, 34856, 0, 11, 45, 68, 558, 6004, 0, 6, 62, 682, 5817, 20398, 0, 6, 6, 1, 23, 588, 1339, 0, 7, 29, 817, 10834, 0, 5, 49, 344, 1476, 33, 140, 115, 391, 13662, 0, 10, 64, 1883, 25125, 0, 5, 15, 64, 6, 29, 23, 29, 2, 145, 3763, 0, 11, 50, 401, 4430, 0, 5, 16, 247, 718, 2635, 0, 6, 19, 473, 2023, 32506, 0, 6, 6, 1, 55, 657, 7521, 27698, 0, 8, 137, 453, 4883, 11044, 30255, 0, 7, 63, 489, 2015, 0, 5, 32, 149, 610, 4982, 7839, 0, 7, 12, 293, 2475, 0, 5, 12, 5, 2, 56, 1742, 0, 7, 12, 7, 2, 7, 2, 2, 1, 44, 375, 3686, 38597, 0, 13, 174, 4816, 13222, 0, 5, 23, 81, 1170, 18268, 0, 6, 62, 124, 1467, 48934, 0, 6, 6, 1, 25, 240, 1031, 9567, 0, 8, 69, 162, 551, 25729, 0, 6, 13, 32, 64, 112, 1806, 24366, 0, 8, 14, 441, 777, 10643, 31163, 0, 7, 55, 96, 381, 4577, 0, 6, 21, 225, 1328, 5819, 35314, 0, 7, 13, 28, 402, 2798, 17862, 0, 7, 7, 1, 49, 163, 1630, 36456, 0, 8, 35, 1076, 9552, 3590, 26710, 0, 7, 14, 42, 241, 5584, 0, 6, 35, 13, 29, 164, 2306, 29527, 0, 8, 21, 43, 1355, 6948, 0, 6, 14, 20, 463, 11227, 0, 6, 6, 1, 41, 1116, 22312, 0, 7, 33, 206, 5502, 0, 5, 114, 1602, 35610, 0, 5, 5, 1, 17, 377, 3106, 21477, 0, 8, 37, 1207, 15411, 0, 5, 12, 150, 1628, 26224, 0, 6, 35, 56, 161, 2106, 14898, 0, 7, 36, 921, 13116, 0, 5, 18, 356, 8974, 37047, 0, 6, 18, 6, 2, 171, 556, 9317, 0, 8, 37, 37, 1, 46, 565, 1567, 6388, 0, 9, 466, 13250, 0, 4, 595, 7075, 0, 4, 4, 1, 16, 252, 1496, 11829, 12955, 0, 9, 17, 69, 171, 33, 84, 2318, 4838, 0, 9, 9, 1, 18, 45, 326, 433, 10521, 0, 9, 8, 45, 7, 66, 1197, 19471, 0, 8, 7, 6, 60, 939, 17684, 6498, 0, 8, 8, 1, 25, 212, 1998, 8984, 0, 8, 7, 16, 50, 308, 11086, 14052, 0, 8, 8, 1, 16, 9, 36, 99, 1000, 5630, 3682, 31333, 0, 12, 119, 4026, 0, 4, 74, 1200, 9256, 30240, 0, 6, 44, 273, 4750, 39236, 0, 6, 6, 1, 28, 215, 2607, 13391, 0, 8, 35, 138, 1324, 26273, 0, 6, 13, 199, 2189, 12557, 0, 6, 6, 1, 20, 193, 993, 573, 9497, 0, 9, 53, 1092, 31468, 0, 5, 152, 4013, 25620, 0, 5, 5, 1, 19, 372, 472, 18308, 0, 8, 39, 1518, 0, 4, 63, 361, 4414, 35639, 0, 6, 36, 81, 325, 7190, 2252, 29581, 0, 8, 18, 132, 4691, 0, 5, 30, 730, 11504, 0, 5, 5, 1, 36, 20, 56, 208, 9238, 37637, 0, 10, 443, 4563, 0, 4, 38, 536, 8214, 24945, 0, 6, 38, 6, 2, 207, 7625, 0, 7, 137, 419, 10938, 0, 5, 31, 620, 6035, 29398, 0, 6, 16, 139, 4065, 0, 5, 11, 461, 19539, 0, 5, 5, 1, 48, 616, 4786, 7995, 0, 8, 66, 188, 4495, 4743, 0, 6, 24, 773, 5449, 24190, 0, 6, 6, 1, 20, 67, 1262, 3053, 15075, 0, 9, 123, 1493, 21417, 0, 5, 33, 232, 3894, 0, 5, 5, 1, 19, 123, 13, 152, 133, 4714, 3844, 9436, 0, 12, 190, 858, 1633, 14768, 0, 6, 36, 103, 2102, 19537, 0, 6, 6, 1, 24, 51, 1524, 4620, 0, 8, 63, 143, 3490, 2341, 16579, 0, 7, 99, 224, 3687, 34846, 0, 6, 20, 62, 470, 9151, 34222, 0, 7, 13, 48, 90, 735, 10430, 0, 7, 7, 1, 35, 215, 221, 3284, 0, 8, 35, 6, 24, 43, 409, 1276, 1955, 1148, 10134, 17731, 0, 12, 67, 95, 1659, 24421, 0, 6, 16, 134, 943, 21005, 0, 6, 6, 1, 32, 496, 27957, 0, 7, 38, 165, 2624, 0, 5, 102, 2516, 1049, 13721, 0, 6, 17, 349, 1415, 10217, 2724, 10841, 0, 8, 50, 313, 1370, 43600, 0, 6, 14, 457, 7402, 10604, 0, 6, 6, 1, 38, 33, 137, 193, 273, 302, 3995, 0, 11, 183, 3328, 0, 4, 217, 5340, 20199, 0, 5, 46, 412, 5794, 8379, 0, 6, 25, 359, 1754, 3772, 25906, 0, 7, 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2 , 2691, 9956, 44457, 0, 7, 20, 60, 302, 3295, 1508, 22461, 0, 8, 21, 342, 1669, 21198, 0, 6, 21, 6, 2, 75, 1053, 17960, 20452, 0, 9, 150, 238, 1347, 8709, 25108, 0, 7, 30, 81, 483, 738, 6719, 0, 7, 7, 1, 58, 952, 36819, 0, 7, 6, 29, 179, 3293, 14560, 6960, 0, 8, 44, 903, 13073, 0, 5, 125, 1264, 13412, 0, 5, 5, 1, 25, 83, 4964, 0, 7, 25, 5, 8, 20, 72, 261, 1038, 5885, 0, 10, 152, 97, 2784, 12946, 0, 6, 40, 586, 153, 2282, 0, 6, 6, 1, 29, 48, 147, 3200, 0, 8, 27, 160, 460, 2136, 36205, 0, 7, 37, 301, 948, 969, 4298, 0, 7, 7, 1, 22, 681, 4236, 32405, 0, 8, 22, 6, 31, 908, 722, 5326, 16063, 0 , 9, 107, 172, 4252, 0, 5, 64, 815, 16538, 22526, 0, 6, 18, 342, 133, 3566, 0, 6, 6, 1, 34, 690, 21165, 0, 7, 40, 69, 365, 5911, 34796, 0, 7, 7, 1, 14, 264, 6408, 28691, 0, 8, 48, 75, 153, 84, 945, 10811, 3387, 34627, 0, 10, 100, 3092, 6468, 0, 5, 49, 1918, 0, 4, 334, 1337, 21266, 0, 5, 9, 64, 59, 352, 9351, 0, 7, 38, 1024, 18582, 0, 5, 12, 382, 5057, 0 , 5, 5, 1, 49, 28, 1028, 9202, 0, 8, 49, 6, 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2 24975, 18652, 0, 9, 102, 668, 3899, 0, 5, 57, 2759, 15933, 0, 5, 5, 1, 27, 323, 1401, 19576, 0, 8, 27, 6, 27, 2, 169, 3096, 17818, 0, 9, 27, 7, 45, 794, 2079, 43113, 0, 8, 17, 516, 4972, 0, 5, 29, 714, 5240, 0, 5, 5, 1, 35, 608, 27538, 0, 7, 23, 110, 860, 5197, 0, 6, 38, 438, 459, 2869, 38489, 0, 7, 13, 88, 213, 512, 14788, 5133, 45243, 0, 9, 47, 434, 2217, 40054, 0, 6, 22, 89, 831, 16398, 0, 6, 6, 1, 41, 198, 8084, 39248, 0, 8, 59, 2165, 10024, 0, 5, 53, 3013, 16203, 0, 5, 5, 1, 18, 277, 4883, 6421, 0, 8, 18, 6, 27, 87, 414, 6728, 20651, 0, 9, 47, 47, 1, 18, 12, 189, 8812, 0, 9, 9, 1, 8, 21, 206, 6290, 13433, 0, 9, 8, 7, 76, 810, 2250, 28946, 0, 8, 7, 7, 1, 18, 26, 629, 17701, 0, 9, 17, 121, 760, 11176, 0, 6, 48, 1436, 18433, 0, 5, 62, 269, 1702, 0, 5, 5, 1, 24, 1048, 30417, 0, 7, 30, 1201, 8293, 0, 5, 11, 328, 4554, 3849, 0, 6, 28, 236, 4076, 0, 5, 11, 11, 1, 24, 24, 1, 3, 4067, 24759, 0, 11, 9, 51, 1248, 4052, 13023, 0, 7, 34, 479, 42502, 0, 5, 23, 166, 3850, 0, 5, 5, 1, 24, 26, 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0, 9, 74, 312, 2815, 12936, 0, 6, 28, 59, 1535, 6737, 0, 6, 6, 1, 21, 28, 9, 17, 142, 1063, 23462, 0, 11, 118, 4336, 28509, 0, 5, 42, 502, 5734, 26587, 0, 6, 21, 20, 489, 5476, 36371, 0, 7, 49, 906, 820, 0, 5, 18, 75, 1581, 1567, 2056, 0, 7, 12, 320, 1493, 7700, 0, 6, 25, 165, 1932, 41860, 0, 6, 6, 1, 53, 426, 7392, 0, 7, 19, 203, 2770, 4401, 0, 6, 12, 25, 20, 45, 339, 9635, 0, 8, 126, 120, 187, 4773, 0, 6, 14, 99, 3412, 9512, 31286, 0, 7, 27, 389, 260, 581, 14163, 0, 7, 7, 1, 41, 373, 4456, 16111, 0, 8, 28, 99, 22, 162, 8162, 17271, 0, 8, 8, 1, 16, 346, 792, 727, 723, 3638, 41041, 0, 11, 110, 1880, 2575, 50475, 0, 6, 47, 1274, 18079, 0, 5, 98, 569, 12573, 0, 5, 5, 1, 27, 52, 424, 1268, 32665, 0, 9, 141, 4028, 0, 4, 347, 1019, 13807, 0, 5, 17, 150, 3608, 23872, 0, 6, 34, 208, 3711, 15520, 0, 6, 6, 1, 30, 305, 3508, 33015, 0, 8, 64, 893, 21711, 0, 5, 25, 113, 2576, 29411, 0, 6, 18, 152, 809, 7555, 30492, 0, 7, 98, 61, 3401, 23708, 0, 6, 13, 571, 11772, 0, 5, 24, 875, 8733, 0, 5, 5, 1, 42, 195, 237, 1494, 15238, 0, 9, 72, 603, 6092, 0, 5, 13, 24, 20, 157, 2082, 15526, 0, 8, 56, 538, 8520, 0, 5, 13, 13, 1, 28, 137, 446, 3907, 25345, 0, 10, 436, 864, 3674, 42623, 0, 6, 53, 197, 3746, 6810, 0, 6, 6, 1, 21, 238, 4456, 164, 518, 6018, 0, 10, 22, 164, 6, 12, 205, 4591, 0, 8, 45, 207, 7989, 0, 5, 45, 5, 2, 399, 798, 9199, 0, 8, 13, 52, 150, 135, 1601, 47942, 0, 8, 8, 1, 39, 929, 3459, 42543, 0, 8, 7, 113, 125, 1382, 26353, 0, 7, 6, 42, 102, 615, 9111, 0, 7, 7, 1, 22, 53, 70, 471, 6562, 0, 9, 110, 207, 52, 40, 682, 3598, 15571, 0, 9, 9, 1, 18, 153, 3519, 2188, 11609, 0, 9, 8, 42, 34, 187, 273, 3543, 0, 8, 7, 35, 414, 1013, 4921, 0, 7, 6, 49, 333, 7302, 0, 6, 5, 85, 546, 3363, 42538, 0, 7, 13, 85, 7, 3, 1731, 28978, 0, 8, 28, 143, 7010, 15488, 23326, 0, 7, 12, 118, 379, 926, 574, 18211, 21777, 0, 9, 52, 68, 513, 26800, 0, 6, 37, 2365, 38076, 0, 5, 41, 313, 1508, 4626, 18525, 0, 7, 27, 277, 607, 42773, 0, 6, 18, 83, 1563, 47103, 0, 6, 6, 1, 91, 881, 1671, 6959, 0, 8, 54, 565, 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Van Eck Sequence

2 14, 66, 1215, 17083, 0, 6, 6, 1, 21, 343, 5933, 1809, 10706, 0, 9, 21, 7, 130, 1616, 37804, 0, 7, 5, 57, 1232, 11833, 0
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, 96, 1564, 10558, 25082, 0, 7, 7, 1, 26, 198, 2616, 19441, 0, 8, 33, 1206, 1342, 25363, 0, 6, 47, 777, 8947, 38693, 0,
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Van Eck Sequence

2 34, 263, 1542, 23319, 0, 6, 65, 723, 5284, 0, 5, 17, 781, 16797, 0, 5, 5, 1, 23, 60, 615, 5098, 22695, 0, 9, 107, 451, 3334, 12755, 0, 6, 25, 211, 12631, 31941, 0, 6, 6, 1, 21, 260, 2121, 10300, 0, 8, 68, 287, 673, 3114, 1615, 11763, 557, 6404, 2914, 8433, 0, 12, 186, 833, 62, 599, 10990, 36771, 0, 8, 20, 154, 259, 1400, 2346, 21217, 22450, 0, 9, 49, 1023, 1823, 5737, 0, 6, 42, 127, 6358, 12639, 0, 6, 6, 1, 49, 14, 114, 458, 2852, 39856, 0, 10, 113, 1212, 2472, 45628, 0, 6, 15, 268, 13970, 0, 5, 90, 1153, 6936, 0, 5, 5, 1, 26, 231, 2183, 47859, 0, 8, 55, 137, 2776, 1726, 54515, 0, 7, 127, 46, 858, 11186, 0, 6, 31, 192, 876, 30121, 0, 6, 6, 1, 27, 335, 1973, 0, 7, 19, 275, 1089, 1858, 16169, 0, 7, 7, 1, 14, 66, 509, 4748, 14908, 0, 9, 88, 3947, 8854, 0, 5, 54, 575, 1154, 15361, 0, 6, 33, 334, 3938, 48143, 0, 6, 6, 1, 26, 67, 939, 13435, 3377, 33538, 0, 10, 93, 2126, 671, 17138, 0, 6, 15, 93, 7, 44, 1440, 32426, 0, 8, 83, 1559, 20250, 0, 5, 41, 736, 3211, 696, 2865, 0, 7, 17, 204, 1469, 25152, 0, 6, 26, 40, 860, 1808, 15536, 0, 7, 13, 325, 441, 4426, 0, 6, 13, 6, 2, 468, 584, 3147, 33160, 0, 9, 81, 1006, 33476, 0, 5, 40, 26, 28, 255, 1956, 19505, 0, 8, 53, 1159, 6525, 0, 5, 13, 27, 121, 4979, 0, 6, 31, 134, 755, 21614, 0, 6, 6, 1, 94, 2053, 21197, 0, 7, 52, 359, 3752, 0, 5, 24, 906, 5649, 0, 5, 5, 1, 17, 77, 693, 10426, 0, 8, 42, 218, 4503, 0, 5, 12, 247, 8439, 0, 5, 5, 1, 18, 607, 5286, 4280, 0, 8, 18, 6, 44, 120, 708, 7875, 0, 8, 8, 1, 16, 390, 14163, 5630, 13553, 0, 9, 90, 226, 4368, 0, 5, 29, 592, 3411, 36377, 0, 6, 26, 95, 571, 5539, 0, 6, 6, 1, 26, 8, 29, 16, 29, 2, 121, 95, 14, 205, 1069, 2945, 0, 16, 10, 178, 1744, 1638, 1183, 4040, 7986, 0, 9, 42, 77, 83, 174, 3493, 43998, 0, 8, 29, 27, 122, 1121, 1671, 5348, 39116, 0, 9, 17, 100, 465, 3988, 0, 6, 47, 1894, 824, 4516, 0, 6, 6, 1, 54, 239, 7041, 41071, 0, 8, 29, 29, 1, 9, 24, 131, 3669, 44890, 0, 10, 55, 302, 10033, 30487, 0, 6, 23, 410, 2569, 12506, 0, 6, 6, 1, 21, 397, 559, 1707, 41211, 0, 9, 27, 59, 826, 4048, 45715, 0, 7, 170, 1293, 36418, 0, 5, 117, 5013, 0, 4, 481, 17067, 0, 4, 4, 1, 29, 52, 186, 410, 39, 984, 4708, 0, 11, 611, 1856, 30047, 0, 5, 24, 63, 1521, 27288, 0, 6, 50, 1033, 1770, 8638, 0, 6, 6, 1, 28, 243, 1584, 20436, 0, 8, 87, 820, 5862, 32788, 0, 6, 13, 244, 7080, 0, 5, 31, 243, 17, 120, 194, 596, 5368, 6863, 0, 10, 98, 2217, 7650, 0, 5, 15, 330, 3807, 50684, 0, 6, 26, 179, 1506, 14136, 0, 6, 6, 1, 46, 411, 3074, 31052, 0, 8, 46, 6, 9, 105, 1003, 5987, 0, 8, 8, 1, 16, 190, 3187, 3090, 0, 8, 7, 112, 1932, 4859, 57319, 0, 7, 6, 22, 817, 14145, 0, 6, 5, 50, 90, 243, 66, 422, 9826, 0, 9, 35, 797, 3786, 39624, 0, 6, 15, 64, 2195, 16125, 0, 6, 6, 1, 42, 222, 2606, 2566, 24582, 0, 9, 21, 168, 2126, 416, 4950, 29590, 0, 8, 51, 1709, 4850, 39132, 0, 6, 22, 49, 531, 16003, 0, 6, 6, 1, 29, 161, 775, 6101, 0, 8, 20, 567, 3046, 2464, 7612, 0, 7, 71, 748, 7095, 20845, 0, 6, 20, 13, 141, 1095, 0, 6, 6, 1, 27, 210, 2297, 53765, 0, 8, 27, 6, 9, 58, 1385, 2622, 17189, 0, 9, 6, 8, 11, 197, 3341, 23958, 0, 8, 6, 8, 2, 321, 15503, 0, 7, 44, 365, 1293, 234, 3100, 41322, 0, 8, 13, 45, 1276, 2871, 12242, 0, 7, 15, 109, 4344, 59329, 0, 6, 27, 45, 13, 15, 9, 41, 501, 14310, 1580, 12468, 0, 12, 412, 13607, 0, 4, 256, 6340, 3721, 58910, 0, 6, 22, 108, 2425, 40000, 0, 6, 6, 1, 81, 491, 3063, 22843, 0, 8, 49, 121, 383, 2297, 88, 582, 30210, 0, 9, 40, 501, 40, 2, 74, 2079, 7928, 0, 9, 9, 1, 26, 229, 1591, 18052, 0, 8, 26, 6, 35, 185, 1143, 24216, 0, 8, 8, 1, 16, 221, 6504, 0, 7, 83, 404, 12197, 50464, 0, 6, 19, 641, 6487, 4039, 10680, 0, 7, 13, 88, 51, 184, 7574, 0, 7, 7, 1, 27, 99, 1435, 7734, 15009, 0, 9, 51, 14, 451, 786, 1327, 35996, 0, 8, 43, 1563, 4342, 32147, 0, 6, 37, 1128, 972, 12548, 0, 6, 6, 1, 29, 206, 4101, 8745, 0, 8, 20, 193, 1710, 17724, 0, 6, 13, 50, 270, 2579, 49354, 0, 7, 49, 111, 1863, 61609, 0, 6, 13, 13, 1, 28, 367, 9014, 36619, 0, 9, 56, 2180, 58264, 0, 5, 296, 1152, 24716, 0, 5, 5, 1, 18, 562, 6861, 27011, 0, 8, 46, 339, 4423, 27461, 0, 6, 33, 717, 58483, 0, 5, 18, 17, 384, 3014, 11203, 26351, 0, 8, 19, 116, 3912, 926, 5907, 29857, 0, 8, 8, 1, 35, 145, 2746, 1840, 0, 8, 7, 69, 1479, 11071, 0, 6, 35, 12, 211, 895, 11439, 0, 7, 12, 6, 9, 69, 15, 229, 176, 2978, 4453, 22239, 0, 12, 11, 274, 5015, 56194, 0, 6, 16, 174, 573, 9603, 0, 6, 1, 45, 253, 8620, 0, 7, 31, 453, 1918, 10392, 0, 6, 12, 26, 204, 755, 703, 19018, 0, 8, 58, 315, 2513, 0, 5, 87, 483, 7350, 0, 5, 5, 1, 31, 26, 20, 153, 3586, 61448, 0, 10, 477, 8379, 13887, 0, 5, 14, 191, 2531, 8578, 30755, 0, 7, 46, 125, 4213, 0, 5, 12, 45, 57, 1299, 7253, 0, 7, 12, 7, 2, 271, 4126, 36582, 0, 8, 52, 563, 3417, 16633, 34998, 0, 7, 13, 178, 670, 7998, 49906, 0, 7, 7, 1, 56, 179, 514, 10114, 0, 8, 22, 325, 823, 4313, 0, 6, 88, 262, 1984, 57304, 0, 6, 6, 1, 20, 74, 313, 1534, 29982, 0, 9, 137, 951, 8407, 0, 5, 63, 597, 4918, 54076, 0, 6, 19, 180, 1775, 16108, 0, 6, 6, 1, 26, 101, 5109, 14977, 0, 8, 46, 88, 41, 390, 773, 14166, 0, 8, 8, 1, 16, 157, 2415, 22222, 0, 8, 7, 70, 3373, 0, 5, 41, 19, 36, 1132, 9535, 0, 7, 11, 181, 1465, 17172, 0, 6, 41, 13, 96, 1159, 877, 11652, 0, 8, 26, 48, 1328, 10508, 0, 6, 14, 143, 1377, 3162, 53054, 0, 7, 27, 349, 7466, 38413, 0, 6, 13, 26, 20, 95, 802, 17917, 0, 8, 27, 14, 22, 117, 714, 4140, 39147, 0, 9, 103, 3935, 40097, 0, 5, 62, 1121, 795, 22976, 0, 6, 28, 326, 2617, 58911, 0, 6, 6, 1, 87, 212, 1297, 26627, 0, 8, 34, 1200, 14415, 0, 5, 25, 1174, 13824, 32265, 0, 6, 18, 316, 9659, 0, 5, 11, 91, 1586, 25042, 0, 6, 11, 6, 2, 201, 2035, 59168, 0, 8, 30, 1435, 426, 4478, 18726, 0, 7, 85, 3563, 24320, 0, 5, 26, 83, 462, 1409, 23545, 0, 7, 12, 228, 8683, 0, 5, 12, 5, 2, 32, 1289, 17549, 0, 8, 32, 5, 8, 3, 1733, 17453, 0, 8, 5, 7, 23, 844, 9185, 0, 7, 5, 7, 2, 23, 8, 12, 28, 97, 1725, 8951, 0, 12, 6, 66, 712, 36808, 0, 6, 5, 18, 85, 60, 1279, 47923, 0, 8, 21, 699, 7890, 0, 5, 12, 20, 149, 2933, 0, 6, 19, 195, 2888, 0, 5, 11, 97, 36, 201, 97, 3, 59, 881, 6288, 57143, 0, 12, 22, 163, 2433, 17816, 0, 6, 23, 57, 322, 6059, 12830, 45253, 0, 8, 42, 748, 706, 3335, 0, 6, 14, 184, 555, 9417, 28563, 0, 7, 79, 2782, 8672, 0, 5, 44, 680, 9633, 0, 5, 5, 1, 176, 432, 12933, 0, 7, 17, 479, 5727, 17474, 0, 6, 30, 151, 11550, 3210, 0, 6, 6, 1, 19, 75, 1468, 52473, 0, 8, 50, 550, 7205, 0, 5, 31, 411, 861, 19896, 30201, 0, 7, 32, 145, 494, 4939, 55679, 0, 7, 7, 1, 27, 250, 3377, 1233, 1838, 28756, 0, 10, 427, 23068, 0, 4, 708, 1108, 3509, 33262, 0, 6, 46, 337, 7191, 0, 5, 39, 970, 9095, 0, 5, 5, 1, 30, 65, 1441, 9937, 0, 8, 57, 114, 1363, 15071, 0, 6, 24, 979, 7140, 0, 5, 18, 167, 3617, 0, 5, 5, 1, 24, 12, 141, 825, 7215, 0, 9, 302, 1054, 5039, 0, 5, 13, 324, 1914, 0, 5, 5, 1, 19, 100, 1097, 22688, 0, 8, 43, 677, 13914, 0, 5, 12, 29, 669, 13631, 17683, 0, 7, 92, 3640, 0, 4, 83, 268, 1409, 268, 2, 236, 2543, 32583, 0, 10, 97, 198, 6022, 10191, 0, 6, 69, 592, 1189, 34785, 0, 6, 6, 1, 46, 101, 444, 13644, 0, 8, 46, 6, 9, 67, 1362, 4992, 0, 8, 8, 1, 16, 444, 15, 617, 9037, 0, 9, 14, 207, 6623, 18684, 0, 6, 21, 261, 1752, 51013, 0, 6, 6, 1, 21, 8, 24, 104, 1703, 7597, 0, 10, 59, 255, 1330, 41018, 0, 6, 15, 33, 697, 6490, 11510, 7456, 43194, 0, 9, 37, 771, 10397, 0, 5, 100, 110, 2563, 0, 5, 5, 1, 35, 682, 2358, 7927, 0, 8, 39, 174, 663, 21857, 0, 6, 33, 32, 213, 4404, 26655, 0, 7, 119, 3687, 14627, 0, 5, 25, 426, 400, 12678, 0, 6, 18, 174, 24, 65, 193, 802, 480, 11016, 0, 10, 67, 103, 473, 9569, 0, 6, 16, 102, 2249, 11792, 48243, 0, 7, 34, 460, 3841, 0, 5, 34, 5, 2, 152, 4755, 19610, 0, 8, 60, 375, 11914, 0, 5, 11, 359, 1398, 4655, 0, 6, 31, 284, 2654, 0, 5, 11, 11, 1, 85, 395, 10666, 0, 8, 24, 58, 721, 34730, 0, 6, 19, 214, 2181, 8389, 44691, 0, 7, 50, 315, 733, 29683, 0, 6, 13, 234, 1031, 5724, 0, 6, 6, 1, 32, 104, 150, 2002, 34870, 0, 9, 136, 2665, 59448, 0, 5, 47, 1338, 32620, 0, 5, 5, 1, 19, 40, 993, 2574, 46676, 0, 9, 19, 7, 42, 407, 9027, 0, 7, 5, 16, 105, 1211, 6048, 0, 7, 7, 1, 23, 429, 9499, 3092, 11201, 0, 9, 23, 7, 10, 129, 5893, 0, 7, 5, 23, 8, 86, 2073, 24296, 0, 8, 5, 8, 2, 123, 3189, 0, 7, 15, 209, 5637, 25202, 0, 6, 78, 2659, 21573, 0, 5, 17, 431, 1884, 8731, 46542, 0, 7, 18, 176, 444, 263, 1815, 14104, 0, 8, 31, 137, 750, 2119, 4910, 45798, 0, 8, 8, 1, 65, 191, 829, 4966, 56336, 0, 9, 65, 7, 27, 424, 7093, 32761, 0, 8, 16, 88, 749, 5695, 41704, 9655, 0, 8, 8, 1, 25, 225, 7528, 0, 7, 21, 289, 5128, 50422, 0, 6, 66, 577, 5649, 1582, 33724, 0, 7, 13, 158, 3878, 56823, 0, 6, 13, 6, 2, 92, 376, 11583, 0, 8, 33, 269, 2221, 19452, 0, 6, 12, 394, 6060, 0, 5, 93, 1703, 324, 418, 36267, 0, 7, 32, 182, 1994, 23771, 0, 6, 18, 99, 1109, 11767, 0, 6, 6, 1, 64, 1330, 339, 1037, 2082, 7090, 0, 10, 152, 260, 1889, 7707, 0, 6, 15, 139, 14200, 0, 5, 40, 195, 625, 2889, 48504, 0, 7, 40, 7, 2, 66, 82, 2283, 16289, 0, 9, 117, 786, 1143, 1187, 38650, 0, 7, 14, 404, 1181, 4275, 42954, 0, 7, 7, 1, 51, 1161, 20262, 0, 7, 6, 43, 482, 7403, 58085, 0, 7, 7, 1, 14, 23, 205, 1626, 48300, 0, 9, 37, 397, 1556, 8198, 7947, 0, 7, 15, 65, 162, 2072, 37862, 0, 7, 7, 1, 23, 22, 678, 25131, 0, 8, 126, 7333, 41490, 0, 5, 80, 2328, 14363, 0, 5, 5, 1, 18, 114, 574, 4115, 33016, 0, 9, 41, 902, 14067, 0, 5, 13, 158, 164, 4642, 28465, 0, 7, 38, 2441, 0, 4, 538, 7210, 0, 4, 4, 1, 29, 554, 5519, 0, 7, 15, 61, 3204, 6596, 19459, 0, 7, 7, 1, 14, 84, 2124, 15726, 0, 8, 61, 14, 7, 10, 151, 697, 492, 2879, 34481, 0, 11, 395, 393, 3978, 34684, 0, 6, 115, 6477, 44169, 0, 5, 59, 517, 3963, 0, 5, 5, 1, 35, 497, 13705, 0, 7, 31, 288, 4902, 0, 5, 11, 29, 60, 443, 2133, 58555, 0, 8, 47, 386, 3732, 43455, 0, 6, 36, 807, 9874, 0, 5, 19, 383, 1392, 13307, 4954, 6403, 0, 8, 19, 8, 2, 195, 204, 1174, 940, 3157, 17252, 0, 11, 37, 160, 3217, 14952, 12632, 23853, 0, 8, 17, 354, 12119, 38245, 0, 6, 38, 121, 1426, 14156, 0, 6, 6, 1, 70, 1060, 18460, 0, 7, 70, 5, 48, 1041, 2709, 0, 7, 7, 1, 14, 112, 1627, 60726, 0, 8, 34, 529, 6709, 0, 5, 18, 173, 5046, 0, 5, 5, 1, 18, 7, 21, 347, 7452, 58506, 0, 10, 135, 2889, 273, 6627, 0, 6, 47, 98, 1701, 24170, 0, 6, 6, 1, 22, 219, 2442, 9575, 0, 8, 40, 288, 125, 1226, 27511, 0, 7, 33, 353, 10996, 35256, 0, 6, 20, 938, 36188, 0, 5, 47, 32, 347, 45, 1240, 22946, 0, 8, 26, 1018, 39140, 0, 5, 13, 227, 3041, 6560, 0, 6, 24, 574, 244, 1767, 30097, 0, 7, 37, 126, 265, 3504, 6451, 0, 7, 7, 1, 59, 190, 1732, 62859, 0, 8, 33, 52, 1265, 15068, 0, 6, 28, 1016, 17000, 0, 5, 39, 691, 12353, 0, 5, 5, 1, 24, 40, 78, 512, 9451, 14230, 0, 10, 105, 560, 3522, 0, 5, 14, 136, 594, 8698, 0, 6, 31, 221, 1554, 21758, 0, 6, 6, 1, 27, 498, 2402, 32313, 0, 8, 51, 373, 6556, 14296, 35553, 0, 7, 65, 351, 14166, 1251, 5971, 0, 7, 7, 1, 22, 132, 2643, 47932, 0, 8, 22, 6, 31, 38, 203, 3194, 18136, 0, 9, 342, 6507, 0, 4, 325, 1327, 1566, 16599, 0, 6, 17, 225, 529, 192, 2254, 0, 7, 33, 99, 480, 751, 4325, 0, 7, 7, 1, 41, 368, 3472, 2479, 16022, 0, 9,

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2 33, 16, 563, 1380, 3526, 8629, 0, 8, 50, 706, 1070, 7315, 0, 6, 37, 144, 3671, 22783, 0, 6, 6, 1, 29, 315, 720, 5168, 14246, 0, 9, 29, 7, 39, 135, 226, 2107, 24483, 0, 9, 9, 1, 18, 242, 9812, 33730, 0, 8, 38, 85, 763, 13022, 0, 6, 31, 92, 578, 9413, 0, 6, 6, 1, 20, 221, 138, 8574, 0, 8, 20, 6, 9, 30, 1031, 760, 9526, 0, 9, 6, 8, 11, 334, 2312, 0, 7, 51, 146, 5100, 0, 5, 171, 3631, 45787, 0, 5, 5, 1, 34, 308, 6275, 59955, 0, 8, 23, 500, 4597, 24011, 0, 6, 30, 37, 93, 617, 963, 11023, 0, 8, 14, 198, 1001, 5432, 0, 6, 14, 6, 2, 387, 8052, 0, 7, 45, 280, 5674, 23773, 0, 6, 11, 56, 1497, 21502, 0, 6, 6, 1, 47, 297, 5610, 59503, 0, 8, 33, 147, 4591, 7677, 0, 6, 13, 296, 1691, 8481, 56607, 0, 7, 33, 13, 8, 16, 162, 571, 2227, 61003, 0, 10, 259, 2511, 4054, 29975, 0, 6, 23, 76, 2612, 19929, 0, 6, 6, 1, 43, 615, 2573, 16937, 0, 8, 27, 260, 670, 1562, 32132, 0, 7, 37, 90, 2030, 9120, 0, 6, 20, 137, 790, 11109, 0, 6, 6, 1, 27, 21, 412, 1905, 27414, 0, 9, 143, 1480, 6613, 0, 5, 130, 5121, 4060, 0, 5, 5, 1, 19, 497, 534, 3489, 6916, 0, 9, 19, 7, 42, 895, 1720, 47802, 0, 8, 55, 2231, 4327, 25676, 0, 6, 41, 258, 12737, 0, 5, 27, 45, 130, 35, 563, 258, 9, 26, 411, 1271, 13641, 8213, 0, 14, 149, 1368, 27741, 0, 5, 19, 38, 230, 3117, 0, 6, 30, 175, 3683, 47715, 0, 6, 6, 1, 59, 410, 2230, 0, 7, 55, 49, 1852, 0, 5, 24, 396, 7624, 0, 5, 5, 1, 17, 329, 6418, 0, 7, 17, 5, 8, 69, 1195, 14514, 0, 8, 5, 7, 10, 152, 802, 1089, 2584, 34127, 0, 10, 7, 9, 68, 2694, 0, 6, 47, 194, 2230, 46, 1205, 45302, 0, 8, 24, 44, 1389, 51784, 0, 6, 14, 80, 739, 42096, 0, 6, 6, 1, 51, 275, 2619, 46739, 0, 8, 20, 160, 619, 11609, 7824, 0, 7, 40, 466, 3081, 0, 5, 55, 81, 2050, 3059, 23124, 0, 7, 12, 896, 5049, 0, 5, 12, 5, 2, 267, 5701, 51500, 0, 8, 32, 550, 1408, 17524, 0, 6, 45, 144, 387, 280, 276, 9291, 22293, 0, 9, 79, 1460, 7454, 0, 5, 26, 152, 94, 2550, 59876, 0, 7, 40, 52, 537, 4500, 26957, 0, 7, 7, 1, 74, 1773, 22907, 0, 7, 6, 36, 717, 1955, 15815, 0, 7, 7, 1, 14, 96, 1721, 23104, 0, 8, 56, 317, 14055, 0, 5, 41, 205, 878, 20058, 0, 6, 25, 1014, 6787, 0, 5, 11, 334, 390, 1777, 33806, 0, 7, 30, 193, 1242, 37786, 0, 6, 18, 440, 3151, 34824, 0, 6, 6, 1, 43, 304, 6004, 14819, 0, 8, 43, 6, 9, 87, 1711, 41930, 0, 8, 8, 1, 16, 341, 6629, 17786, 0, 8, 7, 37, 314, 3952, 13136, 0, 7, 6, 22, 560, 607, 2617, 1741, 9079, 0, 9, 29, 497, 296, 374, 4065, 16026, 32305, 0, 9, 9, 1, 33, 377, 3854, 30984, 0, 8, 33, 6, 27, 289, 1092, 4191, 0, 8, 8, 1, 16, 49, 259, 385, 16671, 0, 9, 24, 217, 7629, 0, 5, 98, 752, 3641, 0, 5, 5, 1, 19, 297, 431, 1175, 28595, 0, 9, 19, 7, 64, 1069, 2628, 0, 7, 5, 16, 34, 494, 1588, 25664, 0, 8, 42, 355, 10442, 6792, 41806, 0, 7, 15, 949, 4631, 36136, 0, 6, 62, 1835, 9926, 0, 5, 25, 150, 1295, 29520, 0, 6, 11, 151, 948, 6384, 0, 6, 6, 1, 54, 2628, 44, 284, 1352, 23146, 0, 10, 305, 7281, 0, 4, 667, 5682, 27799, 0, 5, 31, 591, 7793, 0, 5, 5, 1, 24, 90, 453, 2096, 9522, 0, 9, 78, 752, 92, 606, 14221, 6376, 0, 8, 71, 2434, 3473, 9507, 0, 6, 46, 333, 8110, 0, 5, 27, 131, 2668, 41482, 0, 6, 11, 64, 102, 1438, 26637, 0, 7, 88, 1250, 26359, 0, 5, 18, 214, 1399, 37114, 0, 6, 18, 6, 2, 313, 2044, 34276, 0, 8, 43, 214, 14, 265, 839, 6973, 9094, 34248, 0, 10, 84, 1056, 64493, 0, 5, 29, 197, 2461, 38927, 0, 6, 27, 53, 2882, 8914, 0, 6, 6, 1, 87, 240, 12242, 2452, 13119, 12113, 0, 10, 27, 16, 159, 4098, 14506, 0, 7, 63, 2083, 15289, 0, 5, 34, 169, 5430, 27112, 0, 6, 27, 18, 64, 82, 1224, 37153, 0, 8, 63, 19, 193, 298, 4365, 0, 7, 26, 363, 6572, 45193, 0, 6, 21, 572, 6990, 0, 5, 32, 394, 1303, 34587, 0, 6, 11, 113, 3108, 53253, 0, 6, 6, 1, 66, 1262, 13894, 0, 7, 30, 334, 341, 305, 177, 5024, 0, 8, 45, 415, 6220, 0, 5, 32, 32, 1, 21, 40, 403, 4743, 16304, 27813, 0, 11, 36, 395, 1155, 3509, 1813, 13864, 0, 8, 24, 190, 961, 10021, 0, 6, 44, 218, 2956, 0, 5, 30, 43, 144, 451, 2450, 0, 7, 50, 850, 18822, 0, 5, 12, 476, 5517, 0, 5, 5, 1, 46, 199, 7484, 0, 7, 17, 564, 5074, 0, 5, 11, 49, 327, 17328, 0, 6, 40, 61, 1220, 11970, 0, 6, 6, 1, 24, 54, 269, 1415, 7877, 38711, 0, 10, 157, 2202, 63568, 0, 5, 27, 144, 55, 534, 678, 1309, 20141, 0, 9, 259, 361, 4404, 1704, 29889, 0, 7, 48, 1150, 26580, 0, 5, 21, 104, 1612, 40081, 0, 6, 41, 478, 9094, 222, 2747, 33661, 0, 8, 102, 258, 682, 1744, 2985, 26221, 27989, 0, 9, 35, 692, 3468, 31687, 0, 6, 23, 781, 3354, 33721, 0, 6, 6, 1, 71, 300, 6668, 0, 7, 47, 635, 10670, 0, 5, 47, 5, 2, 275, 620, 3503, 20715, 0, 9, 33, 441, 3163, 7571, 0, 6, 26, 212, 2204, 42390, 0, 6, 6, 1, 33, 14, 289, 454, 4065, 472, 6026, 9578, 0, 12, 144, 100, 1817, 21205, 0, 6, 17, 139, 1488, 14065, 0, 6, 6, 1, 24, 128, 3630, 41173, 0, 8, 86, 1653, 18690, 0, 5, 56, 582, 2697, 0, 5, 5, 1, 18, 276, 636, 9719, 45444, 0, 9, 63, 276, 7, 80, 700, 13864, 215, 9331, 9434, 0, 11, 177, 246, 4118, 40164, 0, 6, 43, 212, 74, 635, 96, 622, 11905, 0, 9, 26, 83, 1971, 10110, 0, 6, 15, 478, 145, 2081, 6894, 24973, 0, 8, 59, 798, 8604, 3920, 11772, 8691, 41402, 0, 9, 23, 139, 82, 332, 4784, 0, 7, 53, 373, 1167, 15080, 0, 6, 30, 258, 167, 2055, 28228, 0, 7, 13, 955, 18111, 0, 5, 82, 23, 26, 50, 266, 4946, 40399, 0, 9, 34, 373, 27, 225, 1155, 300, 169, 378, 6865, 0, 11, 83, 67, 1903, 0, 5, 25, 534, 237, 4717, 0, 6, 43, 88, 464, 11031, 30563, 0, 7, 43, 7, 2, 184, 2218, 14330, 32765, 0, 9, 38, 892, 35234, 0, 5, 27, 41, 240, 437, 7153, 27924, 0, 8, 94, 764, 19002, 0, 5, 13, 70, 1416, 11834, 0, 6, 40, 306, 4811, 0, 5, 11, 57, 2154, 26510, 0, 6, 11, 6, 2, 44, 360, 9351, 13031, 0, 9, 44, 6, 9, 3, 2299, 6675, 22637, 0, 9, 6, 8, 42, 629, 7656, 0, 7, 67, 86, 201, 2316, 0, 6, 12, 227, 1377, 2497, 44329, 0, 7, 13, 55, 333, 571, 1079, 32386, 0, 8, 26, 126, 1379, 5397, 9279, 0, 7, 15, 177, 199, 387, 856, 15790, 29490, 0, 9, 44, 53, 163, 2343, 12568, 0, 7, 16, 526, 5260, 9871, 33147, 0, 7, 7, 1, 241, 7753, 5892, 0, 7, 6, 53, 21, 360, 82, 169, 155, 5195, 42028, 0, 11, 93, 1189, 2177, 0, 5, 105, 1391, 8321, 0, 5, 5, 1, 28, 1418, 16188, 0, 7, 28, 5, 8, 68, 986, 43301, 0, 8, 5, 7, 10, 423, 6334, 0, 7, 5, 7, 2, 126, 82, 43, 175, 1053, 13338, 0, 11, 43, 6, 55, 100, 334, 535, 3854, 807, 1626, 1768, 40312, 0, 13, 111, 2909, 28340, 0, 5, 28, 44, 94, 179, 2723, 33991, 0, 8, 44, 7, 37, 857, 17401, 34538, 0, 8, 8, 1, 67, 148, 6292, 0, 7, 13, 29, 659, 22097, 0, 6, 45, 571, 144, 381, 17226, 33747, 0, 8, 20, 1032, 29382, 0, 5, 42, 177, 144, 13, 22, 886, 17876, 0, 9, 144, 7, 30, 302, 2343, 145, 333, 172, 6551, 0, 11, 80, 370, 11420, 0, 5, 25, 279, 6120, 46712, 0, 6, 44, 65, 1489, 7416, 56362, 0, 7, 27, 265, 728, 5552, 4828, 0, 7, 7, 1, 71, 482, 1878, 35397, 0, 8, 58, 2163, 12054, 0, 5, 33, 460, 2206, 0, 5, 5, 1, 18, 425, 5998, 0, 7, 24, 448, 5052, 49966, 0, 6, 45, 89, 3926, 30685, 0, 6, 6, 1, 19, 712, 2602, 23110, 0, 8, 37, 122, 3514, 0, 5, 31, 852, 5654, 0, 5, 5, 1, 18, 37, 13, 101, 2377, 0, 9, 100, 166, 4078, 41232, 0, 6, 32, 693, 3630, 493, 12457, 0, 7, 52, 1099, 5383, 11229, 0, 6, 13, 24, 59, 443, 1822, 20212, 0, 8, 46, 666, 17666, 6326, 0, 6, 14, 543, 7759, 0, 5, 46, 11, 129, 2181, 2253, 45283, 0, 8, 19, 71, 109, 3266, 18475, 0, 7, 40, 370, 142, 4505, 9714, 0, 7, 7, 1, 69, 1257, 0, 6, 33, 117, 2029, 21179, 0, 6, 6, 1, 12, 349, 2839, 39575, 0, 8, 34, 459, 11143, 0, 5, 47, 619, 1230, 49737, 0, 6, 18, 98, 1036, 30903, 0, 6, 6, 1, 25, 183, 6227, 0, 7, 43, 273, 1806, 17464, 0, 6, 12, 36, 788, 20355, 0, 6, 6, 1, 19, 72, 6611, 0, 7, 19, 5, 40, 72, 7, 5, 4, 1001, 1523, 24246, 0, 12, 24, 115, 1961, 6548, 0, 6, 24, 6, 2, 321, 3382, 0, 7, 20, 262, 3008, 18217, 0, 6, 11, 115, 19, 33, 91, 2858, 0, 8, 82, 338, 5283, 45778, 0, 6, 14, 135, 1646, 26491, 0, 6, 6, 1, 58, 232, 4668, 51747, 0, 8, 20, 34, 103, 2453, 16327, 0, 7, 41, 524, 21806, 0, 5, 65, 271, 3088, 36790, 0, 6, 25, 101, 205, 1254, 21233, 0, 7, 18, 116, 3221, 44783, 0, 6, 13, 194, 1387, 27329, 0, 6, 6, 1, 45, 254, 7959, 0, 7, 19, 70, 549, 5956, 0, 6, 12, 98, 141, 2679, 30783, 0, 7, 13, 26, 500, 1649, 53322, 0, 7, 7, 1, 27, 319, 4755, 2498, 4549, 16971, 0, 10, 440, 1284, 35284, 0, 5, 67, 394, 981, 8706, 42842, 0, 7, 21, 489, 9555, 14485, 40297, 0, 7, 7, 1, 29, 404, 2232, 29985, 0, 8, 101, 82, 122, 303, 10486, 0, 7, 14, 122, 6, 61, 915, 8114, 0, 8, 15, 551, 7446, 41629, 0, 6, 11, 150, 1201, 11248, 0, 6, 6, 1, 35, 870, 6180, 8341, 32268, 0, 9, 319, 70, 93, 533, 24378, 0, 7, 36, 215, 783, 20656, 0, 6, 21, 64, 1077, 20165, 0, 6, 6, 1, 28, 491, 3523, 43614, 0, 8, 48, 932, 20472, 0, 5, 90, 1209, 13319, 0, 5, 5, 1, 18, 151, 1249, 8923, 50733, 0, 9, 46, 327, 993, 2539, 25290, 0, 7, 46, 7, 2, 231, 767, 15718, 0, 6, 46, 13, 147, 1748, 60843, 0, 7, 13, 6, 9, 30, 493, 387, 647, 20362, 0, 10, 146, 1828, 7544, 38304, 0, 6, 14, 118, 6726, 13254, 0, 6, 6, 1, 58, 240, 751, 1940, 20928, 0, 9, 28, 83, 792, 4888, 0, 6, 14, 21, 98, 198, 1826, 14499, 0, 8, 91, 279, 521, 11084, 0, 6, 14, 14, 1, 30, 51, 1599, 23611, 0, 9, 29, 175, 627, 22717, 0, 6, 15, 160, 1604, 7775, 0, 6, 6, 1, 20, 284, 1347, 13972, 0, 8, 35, 160, 14, 30, 29, 24, 336, 5929, 0, 10, 80, 571, 604, 11273, 0, 6, 23, 108, 3679, 0, 5, 113, 1206, 8905, 35374, 0, 6, 11, 195, 2273, 21038, 0, 6, 6, 1, 41, 318, 6085, 0, 7, 120, 3916, 8210, 0, 5, 24, 40, 393, 2349, 18392, 0, 7, 12, 292, 11129, 34171, 0, 6, 24, 13, 139, 944, 12124, 5117, 41813, 0, 9, 87, 1311, 16948, 0, 5, 27, 296, 1526, 15543, 0, 6, 20, 84, 1342, 8962, 0, 6, 6, 1, 51, 111, 715, 12960, 0, 8, 92, 1414, 6965, 0, 5, 25, 369, 4518, 9084, 0, 6, 18, 217, 1524, 13487, 28091, 0, 7, 58, 166, 582, 1059, 12528, 8790, 36572, 0, 9, 52, 578, 2047, 37466, 0, 6, 22, 702, 29481, 0, 5, 33, 445, 20626, 0, 5, 5, 1, 51, 51, 1, 3, 906, 4244, 34034, 0, 11, 118, 209, 2740, 0, 5, 15, 165, 9886, 0, 5, 5, 1, 18, 55, 798, 1053, 806, 19622, 0, 10, 156, 6532, 0, 4, 512, 2245, 8209, 53817, 0, 6, 51, 38, 990, 23356, 0, 6, 6, 1, 26, 416, 3967, 0, 7, 79, 1760, 6267, 38654, 0, 6, 12, 143, 1959, 14385, 0, 6, 6, 1, 19, 449, 5913, 15727, 0, 8, 117, 614, 16990, 0, 5, 57, 997, 18937, 0, 5, 5, 1, 18, 63, 1156, 6159, 0, 8, 18, 6, 27, 157, 1309, 1300, 25472, 30815, 0, 10, 71, 662, 5073, 0, 5, 22, 117, 34, 533, 395, 1394, 28115, 0, 9, 132, 2279, 29593, 16362, 13047, 0, 9, 69, 668, 11104, 0, 5, 21, 305, 1434, 11980, 0, 6, 40, 223, 6857, 0, 5, 11, 129, 707, 6577, 0, 6, 11, 6, 2, 380, 5691, 0, 7, 29, 283, 12241, 0, 5, 18, 65, 571, 283, 7, 10, 61, 477, 3691, 6712, 0, 12, 108, 287, 4648, 34954, 0, 6, 28, 359, 3021, 44898, 0, 6, 6, 1, 97, 3186, 59944, 0, 7, 26, 139, 264, 7302, 9744, 52596, 0, 8, 104, 1383, 5040, 20075, 0, 6, 20, 259, 1403, 19080, 0, 6, 6, 1, 27, 116, 610, 18242, 6554, 0, 9, 101, 541, 12690, 0, 5, 65, 64, 497, 1813, 1505, 48435, 0, 8, 34, 121, 2588, 26929, 0, 6, 27, 26, 49, 1473, 17358, 0, 7, 55, 219, 2539, 484, 18841, 0, 7, 7, 1, 42, 968, 9443, 0, 7, 6, 22, 151, 507, 9494, 0, 7, 7, 1, 14, 399, 7815, 0, 7, 6, 14, 6, 2, 127, 4672, 35720, 0, 9, 63, 193, 1624, 5478, 13252, 0, 7, 16, 1131, 32657,

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2 0, 5, 70, 579, 11734, 0, 5, 5, 1, 33, 304, 1927, 29969, 20396, 0, 9, 26, 69, 184, 1262, 1621, 42100, 0, 8, 84, 370, 868, 12468, 4128, 8858, 24045, 0, 9, 17, 1425, 48378, 0, 5, 30, 460, 986, 1128, 4030, 0, 7, 48, 596, 4345, 15216, 0, 6, 67, 687, 19085, 0, 5, 18, 189, 8236, 0, 5, 5, 1, 54, 1574, 20938, 0, 7, 23, 477, 195, 467, 8688, 9329, 37302, 0, 9, 44, 1052, 12198, 0, 5, 20, 170, 4447, 20102, 0, 6, 37, 991, 11774, 0, 5, 11, 238, 6758, 30260, 15014, 0, 7, 32, 991, 12, 224, 17918, 0, 7, 7, 1, 46, 621, 9374, 0, 7, 6, 27, 169, 1231, 10974, 0, 7, 7, 1, 14, 141, 787, 12988, 0, 8, 105, 1233, 3525, 13589, 0, 6, 20, 53, 1255, 14101, 50175, 0, 7, 20, 7, 2, 160, 569, 5849, 50353, 0, 9, 74, 1491, 5333, 9234, 0, 6, 22, 189, 101, 232, 880, 6110, 55210, 0, 9, 15, 440, 808, 22642, 0, 6, 15, 6, 2, 30, 137, 2378, 12319, 0, 9, 15, 9, 2, 9, 2, 2, 1, 65, 256, 4283, 8005, 0, 13, 559, 4570, 0, 4, 453, 1952, 0, 4, 4, 1, 16, 207, 3460, 0, 7, 65, 21, 372, 6084, 0, 6, 41, 605, 10997, 0, 5, 127, 235, 19088, 8996, 54787, 0, 7, 18, 171, 2547, 15085, 23382, 0, 7, 7, 1, 32, 136, 2726, 0, 7, 6, 27, 127, 23, 176, 3245, 0, 8, 120, 634, 17425, 0, 5, 34, 314, 2149, 31673, 0, 6, 18, 33, 252, 13866, 36340, 0, 7, 26, 251, 19517, 0, 5, 18, 12, 171, 46, 166, 590, 16302, 28972, 0, 10, 409, 6585, 0, 4, 83, 759, 6782, 9149, 45547, 0, 7, 26, 26, 1, 60, 2994, 0, 7, 7, 1, 6, 43, 1096, 53651, 0, 8, 59, 1184, 18999, 0, 5, 41, 98, 780, 28884, 0, 6, 16, 115, 1062, 5455, 0, 6, 6, 1, 25, 655, 6611, 1106, 34333, 0, 9, 149, 2470, 5716, 0, 5, 26, 45, 1016, 2855, 21741, 0, 7, 45, 6, 22, 191, 3331, 14438, 0, 8, 46, 79, 591, 2118, 36269, 30323, 0, 8, 8, 1, 37, 276, 1723, 18792, 0, 8, 7, 25, 44, 295, 12911, 0, 7, 6, 30, 203, 2823, 6673, 55648, 0, 8, 15, 204, 3055, 0, 5, 51, 639, 5820, 26796, 0, 6, 18, 124, 6359, 0, 5, 11, 308, 2713, 43066, 0, 6, 11, 6, 2, 223, 565, 6525, 4968, 0, 9, 82, 1029, 19421, 0, 5, 20, 279, 881, 3911, 0, 6, 18, 31, 1339, 18822, 1976, 24658, 0, 8, 50, 1717, 27432, 0, 5, 19, 662, 628, 7140, 3797, 63774, 0, 8, 13, 255, 3682, 18487, 0, 6, 27, 212, 1796, 64164, 0, 6, 6, 1, 98, 148, 1492, 41163, 0, 8, 20, 47, 1281, 20281, 33482, 0, 7, 98, 13, 28, 592, 3764, 13637, 28119, 0, 9, 68, 1573, 11174, 0, 5, 49, 541, 562, 4426, 5075, 0, 7, 21, 286, 7051, 0, 5, 12, 228, 4066, 0, 5, 5, 1, 46, 154, 5257, 9209, 29384, 0, 9, 31, 87, 874, 24758, 0, 6, 60, 225, 1795, 15842, 5458, 0, 7, 32, 292, 901, 16017, 0, 6, 13, 58, 850, 2083, 2190, 47913, 0, 8, 74, 391, 5683, 10116, 0, 6, 14, 425, 1489, 1523, 1317, 14515, 0, 8, 14, 8, 2, 149, 225, 38, 809, 10581, 0, 10, 284, 996, 12997, 0, 5, 64, 638, 24491, 0, 5, 5, 1, 70, 576, 6560, 3126, 0, 8, 26, 245, 15138, 0, 5, 12, 88, 1843, 0, 5, 5, 1, 18, 169, 481, 4953, 0, 8, 18, 6, 56, 1977, 20367, 11352, 12380, 0, 9, 96, 1949, 13624, 0, 5, 21, 120, 368, 3030, 15138, 34, 367, 4575, 36268, 0, 11, 219, 673, 5395, 0, 5, 16, 313, 2336, 18031, 26576, 0, 7, 111, 977, 9041, 0, 5, 12, 55, 692, 2100, 0, 6, 46, 142, 1493, 7616, 57933, 0, 7, 18, 55, 13, 125, 3238, 27281, 0, 8, 63, 675, 30085, 15785, 0, 6, 21, 55, 14, 117, 856, 1821, 11964, 0, 9, 69, 663, 3880, 35750, 18336, 0, 7, 30, 309, 20767, 10254, 17339, 22065, 0, 8, 30, 8, 2, 139, 799, 29331, 0, 8, 6, 33, 443, 1580, 4808, 21008, 0, 8, 8, 1, 117, 39, 3089, 0, 7, 31, 203, 340, 9411, 11210, 0, 7, 7, 1, 14, 54, 665, 13203, 0, 8, 21, 62, 2533, 0, 5, 94, 1784, 11528, 0, 5, 5, 1, 18, 88, 156, 1006, 5318, 9334, 48129, 0, 11, 127, 511, 9388, 48872, 0, 6, 56, 156, 14, 35, 1188, 25152, 5361, 49842, 0, 10, 204, 384, 4688, 0, 5, 31, 57, 987, 21677, 0, 6, 21, 48, 737, 30514, 0, 6, 6, 1, 44, 417, 21186, 0, 7, 68, 310, 8529, 0, 5, 24, 1166, 38550, 0, 5, 5, 1, 17, 773, 4520, 22568, 0, 8, 79, 457, 18544, 0, 5, 12, 173, 3432, 8007, 0, 6, 35, 60, 303, 1436, 12682, 0, 7, 36, 1401, 12836, 0, 5, 18, 90, 1382, 7287, 0, 6, 18, 6, 2, 146, 1339, 416, 1086, 9512, 10972, 30732, 0, 12, 35, 30, 159, 2514, 6470, 0, 7, 30, 6, 19, 422, 5098, 5657, 0, 8, 56, 108, 990, 1117, 17741, 0, 7, 15, 490, 12382, 20589, 0, 6, 19, 19, 1, 78, 2633, 0, 7, 13, 229, 4766, 0, 5, 58, 358, 10511, 0, 5, 5, 1, 16, 268, 4201, 12221, 0, 8, 38, 345, 6161, 38451, 0, 6, 31, 137, 737, 131, 2644, 14249, 0, 8, 14, 158, 3696, 0, 5, 26, 341, 2522, 35250, 0, 6, 19, 49, 443, 228, 432, 4378, 44608, 0, 9, 260, 3155, 6844, 0, 5, 20, 477, 877, 4626, 10743, 0, 7, 64, 381, 1969, 0, 5, 12, 105, 829, 3940, 0, 6, 32, 435, 6346, 17026, 0, 6, 6, 1, 71, 1159, 4652, 16181, 36178, 24121, 0, 10, 209, 1257, 1814, 8572, 0, 6, 15, 110, 4199, 34189, 0, 6, 6, 1, 22, 645, 6672, 0, 7, 46, 348, 12693, 14982, 0, 6, 12, 47, 536, 16255, 45647, 0, 7, 13, 123, 4035, 0, 5, 59, 708, 4403, 53002, 0, 6, 18, 181, 4711, 0, 5, 11, 274, 4897, 56361, 0, 6, 11, 6, 2, 192, 3462, 0, 7, 29, 1178, 14668, 0, 5, 18, 23, 802, 3130, 23286, 0, 7, 12, 48, 271, 1756, 0, 6, 23, 12, 7, 9, 122, 1668, 55796, 0, 9, 5, 23, 10, 91, 1530, 59944, 1177, 25865, 21880, 0, 11, 44, 289, 2485, 53314, 0, 6, 26, 159, 230, 3215, 15592, 0, 7, 30, 231, 1614, 19965, 0, 6, 13, 86, 2275, 17118, 6390, 0, 7, 13, 7, 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22143, 0, 8, 14, 431, 3387, 15807, 45951, 0, 7, 27, 1107, 8450, 0, 5, 50, 317, 3521, 29469, 0, 6, 23, 38, 361, 431, 20, 209, 448, 2513, 5414, 7191, 4959, 48601, 0, 14, 31, 674, 29668, 0, 5, 25, 139, 894, 15192, 44029, 0, 7, 37, 1234, 30816, 0, 5, 12, 140, 10743, 656, 17389, 0, 7, 12, 7, 2, 88, 202, 7221, 0, 8, 64, 440, 1452, 9890, 0, 6, 52, 268, 724, 25350, 0, 6, 6, 1, 162, 3874, 28357, 0, 7, 25, 46, 121, 1698, 32424, 0, 7, 7, 1, 14, 61, 1774, 26863, 0, 8, 34, 242, 4018, 49908, 0, 6, 27, 97, 232, 1500, 52366, 0, 7, 20, 89, 2595, 12872, 0, 6, 13, 265, 2639, 32168, 0, 6, 6, 1, 33, 511, 925, 28768, 0, 8, 33, 6, 9, 211, 5575, 0, 7, 27, 34, 41, 358, 801, 21273, 0, 8, 15, 460, 434, 13646, 0, 6, 19, 202, 93, 2284, 27186, 0, 7, 21, 571, 1845, 0, 5, 115, 1398, 4853, 29812, 0, 6, 18, 202, 18, 2, 115, 10, 198, 2195, 5954, 15472, 0, 12, 125, 1076, 6693, 15864, 0, 6, 18, 16, 517, 4460, 23330, 29737, 0, 8, 50, 184, 1733, 5300, 36229, 0, 7, 44, 643, 24770, 0, 5, 44, 5, 2, 37, 167, 3061, 37665, 0, 9, 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2 16578, 0, 5, 13, 31, 794, 14370, 0, 6, 24, 142, 1735, 11791, 0, 6, 6, 1, 111, 882, 19014, 0, 7, 64, 780, 2084, 25013, 0, 6, 12, 162, 773, 1599, 461, 7244, 0, 8, 38, 479, 5851, 39940, 0, 6, 14, 143, 2648, 0, 5, 44, 622, 3761, 0, 5, 5, 1, 37, 137, 1518, 20401, 0, 8, 24, 51, 136, 1316, 8881, 0, 7, 45, 156, 1683, 8251, 47227, 0, 7, 7, 1, 22, 329, 4552, 45689, 0, 8, 22, 6, 42, 546, 8081, 11391, 0, 8, 8, 1, 16, 119, 391, 1927, 2460, 15144, 0, 10, 121, 837, 42092, 0, 5, 52, 439, 7565, 0, 5, 5, 1, 20, 823, 6250, 0, 7, 42, 33, 809, 1933, 10966, 0, 7, 7, 1, 14, 84, 2479, 4914, 0, 8, 41, 814, 1259, 50986, 0, 6, 54, 147, 3025, 25072, 0, 6, 6, 1, 20, 34, 149, 1965, 32515, 0, 9, 259, 2616, 11843, 38417, 0, 6, 14, 33, 42, 44, 115, 811, 23474, 0, 9, 15, 554, 337, 5925, 10562, 0, 7, 50, 801, 856, 1878, 3511, 0, 7, 7, 1, 38, 148, 2098, 32540, 0, 8, 58, 645, 1573, 2083, 2032, 56403, 0, 8, 8, 1, 16, 108, 1287, 19384, 0, 8, 7, 24, 147, 69, 329, 133, 11326, 0, 9, 47, 652, 546, 132, 2768, 0, 7, 15, 54, 85, 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Van Eck Sequence

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1207 , 3617, 11614, 0, 14, 224, 2621, 28718, 0, 5, 39, 479, 525, 2544, 0, 6, 25, 39, 7, 53, 3920, 9600, 0, 8, 39, 7, 7, 1, 75 , 326, 3912, 12203, 0, 10, 124, 312, 361, 1212, 13018, 0, 7, 14, 37, 446, 2914, 2029, 9138, 41424, 0, 9, 175, 181, 2007 , 33723, 0, 6, 40, 362, 13382, 21322, 0, 6, 6, 1, 36, 218, 866, 5406, 22931, 0, 9, 21, 131, 1012, 18797, 0, 6, 14, 36, 14, 2, 86, 420, 3893, 60812, 0, 10, 53, 68, 232, 6355, 0, 6, 16, 885, 5538, 71521, 0, 6, 6, 1, 37, 59, 761, 15579, 0, 8 , 83, 1228, 7104, 0, 5, 102, 2626, 0, 4, 888, 19880, 0, 4, 4, 1, 21, 51, 702, 8687, 13463, 0, 9, 58, 1228, 22, 300, 3938 , 13036, 0, 8, 30, 1165, 59025, 0, 5, 30, 5, 2, 64, 264, 8510, 0, 8, 13, 401, 20027, 0, 5, 11, 310, 1690, 24299, 0, 6, 61, 2594, 18650, 0, 5, 11, 11, 1, 47, 1829, 27729, 0, 8, 24, 249, 1703, 11354, 0, 6, 19, 227, 1401, 4520, 7639, 21383, 0 , 8, 14, 109, 972, 12442, 0, 6, 14, 6, 2, 52, 1544, 38965, 0, 8, 14, 8, 2, 8, 2, 2, 1, 40, 153, 335, 1001, 9243, 37053, 0, 15, 221, 6476, 41573, 0, 5, 56, 2316, 9662, 54744, 0, 6, 32, 294, 1935, 17577, 0, 6, 6, 1, 27, 270, 6698, 0, 7, 200, 13622, 23388, 0, 5, 24, 72, 407, 11573, 0, 6, 17, 448, 4151, 0, 5, 11, 90, 1217, 6277, 0, 6, 11, 6, 2, 58, 137, 1397, 30998, 0, 9, 143, 273, 1260, 29534, 0, 6, 13, 128, 2678, 23792, 0, 6, 6, 1, 50, 1300, 8744, 0, 7, 50, 5, 36, 215, 3703, 22752, 0, 8, 93, 732, 2356, 13448, 0, 6, 20, 632, 14841, 55736, 0, 6, 6, 1, 27, 77, 421, 3577, 15579, 213, 11775, 29229 , 0, 12, 329, 6001, 0, 4, 206, 6289, 0, 4, 4, 1, 20, 28, 592, 1397, 68, 249, 163, 1766, 2085, 16442, 0, 14, 142, 410, 2190, 8073, 0, 6, 39, 327, 2267, 72913, 0, 6, 6, 1, 26, 374, 2405, 39732, 0, 8, 66, 419, 1400, 13377, 0, 6, 13, 93, 73, 461, 3858, 69844, 0, 8, 14, 35, 514, 12412, 0, 6, 14, 6, 2, 122, 2042, 6388, 17170, 508, 6281, 0, 11, 132, 660, 3440, 30786, 0, 6, 15, 186, 1836, 33454, 0, 6, 6, 1, 51, 287, 8795, 0, 7, 124, 381, 554, 6136, 2554, 16574, 0, 8, 44, 693, 3465, 55422, 0, 6, 20, 96, 814, 6186, 0, 6, 6, 1, 27, 124, 23, 732, 140, 1612, 7356, 50686, 0, 12, 124, 9, 177, 2947, 0 , 6, 17, 201, 723, 5759, 3026, 0, 7, 45, 861, 12137, 45654, 0, 6, 13, 95, 1004, 64603, 0, 6, 6, 1, 37, 373, 1251, 11200 , 0, 8, 57, 1701, 3919, 71305, 0, 6, 13, 20, 58, 222, 10222, 0, 7, 33, 574, 11300, 0, 5, 205, 9457, 62754, 0, 5, 5, 1, 31, 1472, 24990, 0, 7, 17, 57, 31, 7, 4, 183, 698, 28478, 5116, 32444, 0, 12, 75, 494, 868, 8762, 0, 6, 42, 1295, 10585 , 7537, 25705, 0, 7, 21, 413, 6762, 0, 5, 36, 247, 2325, 60573, 0, 6, 18, 728, 5389, 20109, 0, 6, 6, 1, 49, 644, 4879, 20392, 0, 8, 80, 2361, 19269, 0, 5, 25, 549, 2557, 48522, 7625, 1252, 32683, 0, 9, 125, 4553, 20076, 0, 5, 14, 194, 1258 , 38563, 0, 6, 32, 357, 3232, 22142, 0, 6, 6, 1, 39, 242, 1966, 24534, 0, 8, 39, 6, 9, 28, 268, 822, 1344, 36310, 0, 10 , 522, 7089, 41367, 16005, 0, 6, 14, 36, 76, 1795, 3374, 0, 7, 87, 954, 32978, 0, 5, 48, 1159, 966, 23946, 0, 6, 18, 87 , 12, 114, 4908, 64847, 0, 8, 42, 113, 1886, 56050, 0, 6, 14, 32, 63, 2714, 14765, 0, 7, 32, 6, 9, 55, 1003, 4075, 21359 , 0, 9, 6, 8, 24, 419, 300, 535, 5464, 24362, 0, 10, 64, 528, 4200, 65733, 0, 6, 15, 277, 1390, 35573, 0, 6, 6, 1, 94, 689, 2078, 7557, 15224, 0, 9, 31, 182, 1605, 7433, 0, 6, 14, 53, 614, 9181, 35588, 0, 7, 53, 6, 9, 16, 617, 3644, 52106 , 0, 9, 6, 8, 53, 11, 324, 2189, 26986, 0, 9, 9, 1, 40, 518, 18935, 0, 7, 25, 167, 3033, 0, 5, 110, 2327, 48135, 0, 5, 5 , 1, 17, 234, 2852, 13732, 0, 8, 32, 96, 321, 6315, 0, 6, 39, 157, 5397, 4544, 43687, 0, 7, 31, 69, 3155, 2489, 4069, 31707, 0, 8, 21, 236, 1892, 4818, 0, 6, 21, 6, 2, 392, 1236, 1410, 63633, 0, 9, 60, 2270, 0, 4, 275, 1094, 23170, 0, 5, 52, 598, 29750, 0, 5, 5, 1, 58, 314, 8812, 20960, 0, 8, 37, 334, 1112, 0, 5, 12, 178, 12855, 0, 5, 5, 1, 18, 187, 1518, 6654, 40347, 0, 9, 41, 868, 304, 5468, 6874, 0, 7, 71, 1428, 16116, 32993, 0, 6, 61, 679, 2185, 3635, 35761, 0, 7, 13, 361, 812, 3221, 9802, 0, 7, 7, 1, 36, 240, 2956, 1267, 3503, 10550, 38538, 0, 11, 145, 978, 15040, 0, 5, 51, 460, 7434, 0, 5, 5, 1, 21, 100, 4202, 47805, 0, 8, 75, 361, 36, 29, 1277, 26363, 0, 8, 8, 1, 16, 183, 379, 1426, 1327, 11595, 0, 10 , 228, 1803, 6448, 0, 5, 30, 764, 10395, 22522, 35154, 0, 7, 58, 111, 922, 3553, 0, 6, 79, 3274, 0, 4, 133, 1896, 70188 , 0, 5, 22, 797, 6204, 4353, 0, 6, 15, 255, 1301, 30105, 0, 6, 6, 1, 49, 388, 1002, 35923, 0, 8, 56, 726, 32756, 0, 5, 25, 221, 737, 6502, 0, 6, 18, 139, 2058, 31105, 0, 6, 6, 1, 25, 14, 268, 366, 16050, 0, 9, 177, 2203, 20106, 0, 5, 26, 620, 10671, 8009, 0, 6, 19, 805, 18215, 0, 5, 11, 126, 6316, 5726, 0, 6, 11, 6, 2, 219, 3162, 12930, 0, 8, 56, 56, 1, 40 , 280, 3599, 50809, 0, 9, 39, 257, 3712, 3352, 7140, 8838, 22321, 0, 9, 9, 1, 17, 280, 17, 2, 29, 142, 684, 16462, 0, 12 , 220, 3703, 740, 15743, 0, 6, 42, 399, 4126, 13095, 0, 6, 6, 1, 24, 383, 5804, 0, 7, 140, 612, 1726, 14010, 0, 6, 12, 26, 81, 1740, 41254, 0, 7, 13, 219, 68, 731, 17308, 53781, 0, 8, 70, 1567, 6083, 65462, 0, 6, 21, 203, 4210, 16760, 0, 6 , 6, 1, 40, 81, 28, 488, 1368, 11491, 0, 10, 195, 1508, 19157, 3735, 0, 6, 15, 168, 5470, 0, 5, 117, 5509, 70657, 0, 5, 5, 1, 26, 54, 1262, 9361, 0, 8, 46, 2329, 35148, 0, 5, 12, 66, 761, 1024, 19874, 0, 7, 66, 6, 32, 384, 2639, 7727, 0, 8 , 20, 653, 20557, 0, 5, 20, 5, 2, 120, 1719, 15994, 0, 8, 13, 87, 520, 21099, 0, 6, 25, 192, 3067, 4871, 39543, 0, 7, 34 , 1280, 41759, 0, 5, 24, 123, 1602, 27607, 0, 6, 18, 218, 1113, 5763, 21194, 0, 7, 18, 7, 2, 39, 174, 6074, 0, 8, 39, 5 , 23, 755, 3174, 0, 7, 13, 46, 80, 641, 3540, 36612, 0, 8, 15, 105, 1663, 26827, 0, 6, 36, 328, 2910, 57227, 0, 6, 6, 1 , 107, 3424, 0, 6, 5, 32, 92, 1513, 6544, 0, 7, 33, 739, 3420, 75305, 0, 6, 13, 39, 47, 1071, 22391, 0, 7, 13, 7, 2, 61 , 408, 14413, 0, 8, 46, 53, 536, 8513, 0, 6, 21, 179, 3859, 0, 5, 38, 1689, 1923, 44276, 0, 6, 11, 274, 7290, 40275, 0,

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2 6, 6, 1, 57, 767, 1909, 41262, 0, 8, 31, 521, 4312, 0, 5, 25, 130, 2930, 32743, 0, 6, 18, 111, 382, 1371, 17097, 0, 7, 55, 645, 7000, 18923, 0, 6, 13, 63, 660, 913, 14650, 0, 7, 13, 7, 2, 70, 244, 3871, 0, 8, 39, 84, 1787, 43689, 0, 6, 21, 70, 12, 206, 1005, 66041, 0, 8, 14, 369, 5788, 3108, 11213, 0, 7, 27, 907, 45569, 0, 5, 60, 563, 6450, 0, 5, 5, 1, 78, 1824, 71438, 0, 7, 17, 335, 1151, 34494, 0, 6, 38, 103, 2246, 48186, 0, 6, 6, 1, 19, 390, 3624, 21208, 41111, 0, 9, 359, 9760, 0, 4, 463, 5657, 8786, 0, 5, 36, 178, 578, 4962, 57659, 0, 7, 37, 590, 9386, 0, 5, 12, 72, 1157, 16889, 0, 6, 35, 1029, 9257, 53057, 0, 6, 6, 1, 42, 377, 3167, 6986, 59015, 0, 9, 42, 7, 28, 336, 10110, 11022, 0, 8, 95, 965, 6146, 0, 5, 34, 271, 6644, 21308, 0, 6, 27, 99, 1490, 17442, 0, 6, 6, 1, 34, 14, 115, 2640, 18882, 21951, 0, 10, 363, 3603, 47913, 9186, 0, 6, 15, 258, 5473, 53089, 0, 6, 6, 1, 22, 545, 4601, 34393, 0, 8, 47, 239, 7599, 0, 5, 47, 5, 2, 169, 3467, 0, 7, 65, 1652, 33305, 0, 5, 10, 38, 130, 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23170, 929, 4906, 0, 8, 28, 100, 72, 324, 1009, 5207, 50618, 0, 9, 29, 59, 67, 3677, 0, 6, 59, 5, 25, 454, 7363, 0, 7, 35, 59, 8, 25, 8, 2, 91, 8948, 18386, 0, 11, 151, 103, 392, 981, 10660, 6240, 7813, 0, 9, 33, 536, 514, 1389, 12096, 54194, 0, 8, 23, 168, 674, 8455, 0, 6, 41, 955, 11336, 57726, 0, 6, 6, 1, 91, 36, 400, 143, 1521, 7024, 32427, 0, 11, 40, 711, 3311, 52483, 0, 6, 16, 106, 3052, 6616, 0, 6, 6, 1, 23, 37, 108, 115, 363, 358, 3209, 126, 829, 9126, 0, 14, 164, 5865, 0, 4, 209, 121, 7618, 0, 5, 91, 44, 1412, 21058, 0, 6, 28, 114, 1205, 3101, 0, 6, 6, 1, 35, 100, 122, 304, 1022, 3447, 45252, 0, 11, 58, 944, 6507, 12561, 0, 6, 16, 58, 7, 118, 3696, 9209, 9621, 6491, 8770, 15394, 0, 12, 371, 4024, 0, 4, 50, 1588, 11960, 21100, 0, 6, 22, 412, 2449, 35129, 0, 6, 6, 1, 45, 1433, 12639, 0, 7, 32, 672, 58890, 0, 5, 69, 347, 12728, 0, 5, 5, 1, 17, 549, 1345, 15692, 0, 8, 140, 863, 26513, 0, 5, 12, 47, 438, 3679, 10595, 0, 7, 30, 1022, 77, 1616, 8123, 60357, 0, 8, 20, 791, 22893, 0, 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59662, 0, 6, 17, 79, 1466, 25925, 0, 6, 6, 1, 47, 470, 6652, 0, 7, 39, 197, 2426, 0, 5, 24, 158, 4372, 53090, 0, 6, 17, 24, 7, 14, 53, 827, 34078, 24857, 0, 10, 157, 1661, 9194, 36166, 0, 6, 16, 170, 8348, 69750, 0, 6, 6, 1, 40, 633, 24409, 0, 7, 26, 100, 301, 7406, 0, 6, 12, 139, 1484, 5113, 44798, 0, 7, 13, 237, 78, 106, 647, 11217, 39622, 0, 9, 86, 2378, 3386, 76213, 0, 6, 22, 114, 625, 4791, 0, 6, 6, 1, 41, 109, 2285, 0, 7, 28, 508, 2087, 33730, 13108, 0, 7, 7, 1, 14, 76, 508, 10, 73, 965, 1059, 11069, 0, 12, 53, 85, 5568, 0, 5, 100, 64, 893, 983, 24757, 0, 7, 23, 393, 5113, 65, 950, 16493, 59149, 0, 9, 59, 769, 23487, 0, 5, 21, 429, 8913, 0, 5, 5, 1, 43, 194, 207, 7657, 44104, 0, 9, 19, 244, 1219, 23290, 0, 6, 71, 980, 32955, 0, 5, 19, 11, 228, 1649, 11470, 50698, 5280, 0, 9, 20, 359, 1176, 15773, 36861, 0, 7, 55, 874, 4512, 0, 5, 21, 46, 1317, 10283, 0, 6, 32, 677, 14158, 0, 5, 11, 31, 1297, 3540, 1380, 13251, 27732, 0, 9, 32, 14, 103, 831, 5949, 29563, 0, 8, 246, 6780, 48225, 0, 5, 22, 137, 238, 4491, 45809, 0, 7, 45, 402, 18158, 0, 5, 12, 118, 749, 13846, 0, 6, 45, 11, 41, 149, 3019, 35225, 0, 8, 31, 47, 237, 179, 1371, 1334, 31859, 0, 9, 48, 527, 4351, 57524, 0, 6, 23, 134, 3258, 1097, 14233, 62097, 0, 8, 23, 8, 2, 330, 15206, 0, 7, 49, 975, 25879, 0, 5, 49, 5, 2, 12, 52, 1872, 39752, 0, 9, 35, 494, 2150, 2942, 34212, 0, 7, 21, 110, 1943, 23213, 0, 6, 42, 592, 2351, 0, 5, 25, 536, 922, 1777, 12893, 0, 7, 18, 736, 2942, 24, 291, 7247, 6090, 0, 9, 34, 1255, 10834, 29360, 0, 6, 27, 564, 5837, 0, 5, 27, 5, 2, 54, 375, 3993, 62374, 0, 9, 20, 169, 1240, 13550, 61929, 0, 7, 36, 942, 16432, 0, 5, 19, 190, 795, 14636, 0, 6, 32, 155, 552, 5092, 35117, 0, 7, 18, 54, 32, 9, 29, 1020, 16955, 0, 9, 5, 23, 110, 82, 3919, 2282, 25367, 42357, 0, 10, 279, 5688, 0, 4, 783, 4298, 25355, 0, 5, 18, 28, 302, 12039, 0, 6, 41, 163, 600, 21357, 0, 6, 6, 1, 263, 5339, 0, 6, 5, 19, 60, 729, 1236, 2020, 48526, 0, 9, 46, 236, 2035, 14660, 43864, 0, 7, 62, 3486, 34485, 0, 5, 20, 92, 1592, 31492, 0, 6, 27, 107, 1162, 7756, 54680, 0, 7, 18, 52, 165, 3001, 38649, 0, 7, 7, 1, 47, 211, 542, 15931, 0, 8, 193, 3992, 0, 4, 76, 362, 2794, 1195, 13208, 0, 7, 18, 26, 421, 2544, 2847, 35258, 0, 8, 19, 67, 1129, 4800, 54124, 0, 7, 15, 574, 2379, 61591, 0, 6, 54, 126, 1059, 387, 5160, 53265, 0, 8, 21, 207, 355, 3647, 0, 6, 14, 302, 112, 903, 7255, 0, 7, 27, 75, 2017, 6304, 0, 6, 13, 455, 27034, 0, 5, 92, 91, 781, 5357, 8328, 19200, 0, 8, 32, 165, 86, 461, 2547, 10957, 0, 8, 1, 88, 649, 17784, 22283, 9318, 0, 9, 129, 3527, 0, 4, 89, 3560, 0, 4, 4, 1, 17, 537, 5203, 51922, 0, 8, 24, 251, 5709, 37107, 0, 6, 52, 125, 2384, 74780, 0, 6, 6, 1, 20, 147, 994, 18937, 11441, 0, 9, 37, 1158, 1426, 2078, 2286, 51832, 0, 8, 29, 225, 1346, 31513, 33908, 0, 7, 88, 59, 470, 596, 11208, 0, 7, 7, 1, 31, 368, 6091, 50118, 0, 8, 22, 400, 1211, 898, 23502, 4828, 12235, 0, 9, 39, 614, 2310, 72184, 0, 6, 53, 520, 1863, 15244, 0, 6, 6, 1, 29, 45, 406, 8066, 0, 8, 29, 6, 9, 23, 273, 2762, 56748, 0, 9, 6, 8, 11, 421, 184, 836, 26892, 47069, 0, 10, 280, 2025, 56481, 0, 5, 145, 739, 1823, 5980, 0, 6, 20, 96, 1522, 7597, 14565, 0, 7, 73, 577, 9209, 1202, 4387, 0, 7, 7, 1, 52, 120, 1930, 25223, 0, 8, 41, 298, 4103, 19839, 0, 6, 28, 309, 4950, 15561, 0, 6, 6, 1, 20, 36, 365, 4302, 0, 8, 20, 6, 9, 66, 970, 6737, 21582, 0, 9, 6, 8, 11, 72, 1387, 5714, 0, 8, 6, 8, 2, 403, 968, 5429, 0, 8, 6, 8, 2, 2, 1, 38, 1040, 17694, 0, 12, 473, 14569, 38065, 0, 5, 90, 2887, 17125, 0, 5, 5, 1, 17, 207, 266, 4607, 0, 8, 26, 300, 2492, 35906, 0, 6, 35, 492, 8630, 0, 8, 18, 312, 3135, 0, 5, 5, 1, 24, 225, 196, 3686, 29737, 9697, 0, 10, 134, 540, 8711, 0, 5, 14, 297, 13287, 0, 5, 5, 1, 20, 93, 2825, 72495, 0, 8, 44, 1367, 0, 4, 262, 7892, 0, 4, 4, 1, 16, 788, 4660, 0, 7, 141, 6329, 0, 4, 10, 38, 87, 2069, 20881, 0, 7, 11, 114, 763, 13852, 0, 6, 70, 1904, 22568, 10691, 0, 6, 6, 1, 30, 956, 36792, 0, 7, 19, 382, 1951, 25231, 0, 6, 12, 114, 25, 565, 6923, 33346, 0, 8, 59, 273, 227, 3082, 0, 6, 14, 78, 816, 27323, 0, 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857, 6550, 0, 5, 39, 488, 2409, 8013, 19274, 0, 7, 19, 259, 3862, 6585, 11490, 0, 7, 7, 1, 27, 114, 262, 311, 7688, 0, 9, 67, 656, 4441, 73173, 0, 6, 55, 964, 8448, 0, 5, 34, 224, 3529, 38906, 0, 6, 11, 184, 496, 5715, 0, 6, 6, 1, 32, 629, 4703, 4678, 51454, 0, 9, 32, 7, 42, 67, 35, 394, 9215, 0, 9, 1, 18, 239, 2086, 0, 7, 14, 82, 808, 11668, 60089, 0, 7, 7, 1, 14, 9, 17, 230, 10760, 0, 9, 54, 272, 18253, 0, 6, 46, 786, 14715, 0, 5, 10, 181, 1337, 21320, 0, 6, 11, 64, 1101, 5023, 0, 6, 6, 1, 32, 57, 165, 694, 17647, 0, 9, 32, 7, 42, 64, 17, 41, 143, 1831, 45238, 0, 11, 25, 180, 5750, 69553, 0, 6, 25, 6, 2, 504, 6011, 49488, 0, 8, 149, 1020, 888, 3529, 111, 1279, 5138, 0, 9, 34, 119, 172, 7961, 0, 6, 21

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2 , 291, 958, 27359, 35124, 0, 7, 45, 639, 11539, 0, 5, 73, 602, 48407, 0, 5, 5, 1, 66, 571, 10228, 0, 7, 17, 60, 884, 1667, 26786, 0, 7, 7, 1, 14, 112, 798, 5806, 3932, 0, 9, 46, 106, 1246, 4813, 0, 6, 46, 6, 2, 69, 1728, 45730, 0, 8, 69, 5, 38, 367, 5276, 22911, 0, 8, 8, 1, 31, 726, 2774, 25699, 0, 8, 7, 39, 230, 148, 1734, 46480, 0, 8, 8, 1, 16, 526, 13136, 13896, 27882, 0, 9, 47, 365, 647, 1293, 7428, 35306, 0, 8, 16, 15, 882, 9625, 45815, 0, 7, 31, 38, 47, 17, 81, 2675, 4295, 0, 9, 24, 593, 28807, 0, 5, 60, 91, 308, 8586, 0, 6, 74, 1750, 41705, 0, 5, 11, 157, 459, 6552, 9906, 65443, 0, 8, 40, 1361, 10206, 0, 5, 13, 459, 12, 547, 37774, 0, 7, 45, 140, 1890, 9194, 1388, 3828, 5235, 0, 9, 45, 9, 2, 110, 1055, 7470, 1637, 6324, 35940, 0, 11, 39, 96, 764, 2920, 8674, 35998, 0, 8, 40, 40, 1, 98, 1657, 62318, 0, 8, 8, 1, 7, 39, 19, 339, 10693, 0, 9, 34, 198, 1637, 32, 235, 11897, 28578, 0, 9, 9, 1, 18, 296, 1731, 21956, 0, 8, 25, 232, 3779, 0, 5, 74, 92, 963, 14434, 0, 6, 98, 42, 259, 373, 3406, 48786, 0, 8, 19, 41, 264, 3742, 25876, 0, 7, 49, 1230, 12968, 0, 5, 26, 740, 2863, 0, 5, 5, 1, 44, 565, 650, 23158, 0, 8, 25, 44, 7, 21, 256, 9866, 0, 8, 8, 1, 16, 168, 2145, 51780, 0, 8, 7, 14, 237, 1299, 15991, 0, 7, 6, 57, 323, 7802, 0, 6, 5, 37, 509, 8899, 0, 6, 6, 1, 27, 433, 5162, 65801, 0, 8, 27, 6, 9, 97, 4998, 74481, 0, 8, 8, 1, 16, 43, 1435, 15813, 0, 8, 7, 37, 30, 493, 12738, 46728, 0, 8, 8, 1, 16, 16, 1, 3, 1616, 2053, 16787, 0, 11, 164, 2164, 8758, 22633, 0, 6, 39, 151, 2237, 50370, 0, 6, 1, 20, 594, 11034, 0, 7, 37, 37, 1, 8, 33, 732, 3573, 0, 9, 60, 243, 5825, 0, 5, 81, 258, 2557, 3457, 43589, 0, 7, 21, 115, 2214, 23010, 0, 6, 33, 23, 1002, 3093, 22593, 0, 7, 13, 244, 1505, 12372, 0, 6, 13, 6, 2, 234, 2431, 55748, 0, 8, 44, 144, 7042, 30855, 0, 6, 12, 262, 546, 8185, 8408, 0, 7, 27, 115, 40, 237, 143, 449, 5107, 8862, 0, 10, 481, 711, 2280, 6179, 37765, 0, 7, 17, 323, 151, 92, 216, 5386, 0, 8, 38, 333, 9294, 0, 5, 77, 1770, 681, 26675, 0, 6, 43, 140, 300, 948, 5054, 40611, 0, 8, 19, 227, 851, 5949, 1523, 11830, 0, 8, 8, 1, 112, 431, 10813, 51439, 0, 8, 7, 44, 74, 259, 252, 4487, 0, 8, 8, 1, 16, 158, 1737, 24430, 0, 8, 7, 16, 7, 2, 98, 271, 2712, 63555, 0, 10, 76, 1305, 7956, 58685, 0, 6, 56, 2018, 29184, 0, 5, 67, 609, 6704, 31568, 0, 6, 11, 184, 633, 1741, 14323, 0, 7, 31, 419, 3514, 13359, 0, 6, 13, 137, 1583, 58524, 0, 6, 6, 1, 54, 606, 10108, 30058, 0, 8, 54, 6, 9, 185, 2624, 26034, 0, 8, 8, 1, 16, 63, 1832, 9102, 23332, 0, 9, 14, 288, 2079, 16542, 0, 6, 21, 193, 1377, 13658, 6605, 0, 7, 50, 2350, 29500, 0, 5, 68, 944, 2377, 13400, 0, 6, 18, 379, 2260, 24137, 0, 6, 6, 1, 39, 253, 4429, 23954, 0, 8, 46, 550, 8974, 30653, 0, 6, 13, 75, 1361, 468, 9135, 5426, 23379, 0, 9, 53, 919, 25580, 36053, 0, 6, 15, 521, 2991, 34977, 0, 6, 6, 1, 35, 725, 17533, 0, 7, 59, 1005, 2956, 3432, 11736, 61699, 0, 8, 42, 417, 5936, 60196, 0, 6, 20, 299, 7222, 0, 5, 73, 637, 32190, 0, 5, 5, 1, 31, 135, 7974, 39124, 0, 8, 24, 551, 13183, 0, 5, 12, 263, 1533, 23139, 0, 6, 29, 1300, 2235, 45827, 7395, 0, 7, 50, 109, 1865, 25823, 0, 6, 13, 84, 2264, 46122, 0, 6, 6, 1, 38, 258, 330, 1700, 20856, 25358, 0, 10, 205, 3862, 853, 6178, 40666, 0, 7, 29, 36, 944, 134, 1186, 18430, 0, 8, 55, 847, 18499, 0, 5, 55, 5, 2, 234, 332, 4596, 0, 8, 13, 44, 259, 258, 38, 40, 322, 16133, 51015, 0, 11, 226, 10580, 55040, 0, 5, 22, 1120, 18851, 0, 5, 5, 1, 59, 123, 3240, 0, 7, 49, 523, 7516, 0, 5, 11, 23, 386, 6056, 48692, 0, 7, 12, 103, 1838, 16088, 0, 6, 83, 4327, 14858, 0, 5, 18, 199, 1088, 45540, 0, 6, 11, 24, 126, 1568, 37034, 0, 7, 24, 6, 9, 186, 4052, 24530, 0, 8, 72, 1345, 2549, 8440, 0, 6, 12, 38, 75, 207, 1316, 4635, 0, 8, 14, 258, 84, 131, 4405, 42996, 0, 8, 8, 1, 73, 177, 4036, 5451, 0, 8, 7, 39, 243, 474, 4533, 29416, 0, 8, 8, 1, 16, 291, 842, 5666, 0, 8, 7, 16, 7, 2, 127, 1093, 5491, 72817, 0, 10, 156, 4808, 11625, 6472, 0, 6, 56, 361, 3639, 0, 5, 88, 1540, 1137, 4702, 0, 6, 11, 88, 7, 27, 467, 5869, 0, 8, 35, 258, 67, 377, 3126, 12228, 0, 8, 8, 1, 51, 3681, 62752, 0, 7, 20, 254, 8000, 71168, 0, 6, 29, 195, 3467, 3076, 37444, 0, 7, 13, 181, 972, 4381, 61930, 0, 7, 7, 1, 27, 42, 283, 12974, 0, 8, 34, 734, 10744, 32022, 25451, 0, 7, 14, 117, 3485, 0, 5, 69, 884, 913, 3287, 0, 6, 40, 209, 2774, 880, 10206, 811, 10331, 0, 9, 156, 95, 2573, 5938, 68382, 0, 7, 27, 40, 17, 534, 4846, 0, 7, 7, 1, 49, 211, 1787, 3304, 0, 8, 49, 6, 33, 600, 1849, 59965, 0, 8, 8, 1, 16, 136, 10470, 36242, 0, 8, 7, 24, 198, 800, 38132, 0, 7, 6, 22, 253, 409, 12641, 0, 7, 7, 1, 22, 8, 18, 228, 2118, 12576, 0, 10, 157, 887, 34382, 0, 5, 82, 1107, 6896, 6398, 0, 6, 27, 66, 1008, 57166, 0, 6, 6, 1, 27, 8, 27, 2, 186, 241, 2452, 14628, 0, 12, 235, 848, 24071, 0, 5, 29, 145, 1653, 14350, 0, 6, 22, 48, 1220, 6801, 54499, 0, 7, 56, 198, 70, 1488, 14377, 0, 7, 7, 1, 37, 720, 7968, 47130, 0, 8, 41, 848, 33, 102, 4626, 12055, 19093, 0, 9, 133, 3821, 26658, 0, 5, 42, 170, 2325, 4209, 0, 6, 42, 6, 2, 62, 1945, 41729, 5843, 0, 9, 20, 208, 3266, 13878, 0, 6, 13, 201, 4317, 24441, 0, 6, 6, 1, 49, 145, 71, 2237, 784, 30731, 0, 10, 113, 4144, 4819, 37190, 0, 6, 15, 517, 11313, 0, 5, 48, 83, 364, 26906, 7812, 0, 7, 76, 649, 1876, 38613, 0, 6, 18, 143, 738, 20231, 0, 6, 6, 1, 40, 199, 379, 579, 13082, 0, 9, 61, 1407, 10464, 0, 5, 33, 93, 1634, 56393, 0, 6, 19, 723, 4382, 67667, 0, 6, 6, 1, 26, 946, 25762, 0, 7, 45, 1035, 18460, 15753, 0, 6, 12, 154, 8325, 0, 5, 30, 888, 1216, 51448, 0, 6, 11, 333, 772, 5181, 45917, 0, 7, 24, 223, 5188, 60645, 0, 6, 13, 109, 541, 5292, 0, 6, 6, 1, 43, 782, 6834, 26492, 0, 8, 158, 753, 22536, 0, 5, 38, 431, 775, 10963, 0, 6, 18, 94, 4218, 18789, 30224, 0, 7, 38, 13, 33, 83, 116, 2958, 41570, 0, 9, 95, 308, 1145, 0, 5, 27, 231, 5763, 3747, 66988, 0, 7, 21, 710, 5740, 9009, 0, 6, 34, 354, 5711, 32185, 0, 6, 6, 1, 59, 535, 4279, 0, 7, 19, 115, 882, 1198, 19420, 38018, 0, 8, 66, 274, 3010, 0, 5, 39, 473, 1825, 7794, 57708, 0, 7, 20, 207, 503, 9191, 43628, 0, 7, 7, 1, 34, 42, 226, 583, 7290, 3712, 3970, 28616, 0, 12, 134, 620, 4011, 29926, 0, 6, 51, 445, 2769, 52291, 0, 6, 6, 1, 24, 131, 528, 4332, 0, 8, 51, 14, 420, 4930, 0, 6, 13, 104, 6765, 0, 5, 57, 1086, 3040, 44771, 0, 6, 11, 161, 5681, 46737, 0, 6, 6, 1, 31, 721, 5160, 2155, 36106, 0, 9, 122, 1652, 3551, 25909, 0, 6, 14, 37, 320, 5876, 0, 6, 6, 1, 21, 124, 4610, 0, 7, 82, 383, 4013, 31309, 0, 6, 12, 78, 1800, 41536, 0, 6, 6, 1, 19, 124, 19, 2, 321, 4327, 645, 3778, 20057, 0, 13, 69, 490, 9614, 0, 5, 70, 369, 3754, 22993, 49481, 0, 7, 37, 49, 321, 21, 45, 253, 445, 107, 2280, 1025, 52371, 0, 13, 25, 1200, 6217, 72207, 0, 6, 43, 230, 1388, 1310, 18556, 0, 7, 26, 280, 2075, 58427, 0, 6, 13, 20, 160, 6796, 0, 6, 6, 1, 63, 928, 51189, 0, 7, 19, 66, 185, 943, 30116, 0, 7, 7, 1, 14, 104, 136, 510, 8222, 28169, 0, 10, 374, 2922, 0, 4, 1943, 2483, 0, 4, 4, 1, 18, 266, 2017, 2271, 23723, 0, 9, 135, 862, 8562, 0, 5, 91, 1407, 357, 4598, 77293, 0, 7, 38, 278, 1828, 13949, 0, 6, 58, 3150, 32383, 0, 5, 18, 30, 341, 8061, 0, 6, 11, 179, 2576, 23497, 22088, 27527, 0, 8, 204, 1831, 1590, 26365, 0, 6, 14, 68, 987, 12709, 44896, 0, 7, 38, 38, 1, 60, 1213, 5462, 28061, 47515, 0, 10, 77, 1138, 3094, 29759, 0, 6, 23, 821, 18674, 0, 5, 48, 451, 9325, 0, 5, 5, 1, 25, 144, 1199, 21615, 0, 8, 47, 1499, 21723, 0, 5, 12, 199, 448, 5015, 17401, 14570, 0, 8, 13, 144, 19, 133, 533, 13722, 9564, 25705, 4749, 67349, 0, 12, 19, 10, 51, 278, 99, 1830, 21356, 0, 9, 118, 2680, 22347, 0, 5, 34, 320, 251, 2350, 1073, 18789, 398, 3713, 25980, 0, 11, 104, 158, 419, 1133, 9974, 0, 7, 91, 136, 165, 1707, 17960, 27993, 0, 8, 52, 2249, 16750, 0, 5, 31, 296, 1470, 38729, 0, 6, 94, 432, 12667, 28463, 0, 6, 6, 1, 90, 2200, 9600, 5326, 27912, 0, 9, 57, 331, 3706, 22744, 0, 6, 14, 138, 2018, 1198, 407, 5114, 39953, 0, 9, 15, 575, 7219, 10643, 31882, 0, 7, 56, 654, 22276, 0, 5, 48, 131, 375, 2660, 3167, 3964, 0, 8, 61, 562, 13161, 0, 5, 13, 118, 98, 1245, 27112, 15306, 0, 8, 13, 8, 2, 324, 3674, 23627, 38834, 0, 9, 42, 428, 7429, 0, 5, 22, 701, 44161, 0, 5, 5, 1, 76, 617, 4711, 12663, 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Van Eck Sequence

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Van Eck Sequence

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2 17373, 0, 6, 71, 180, 987, 7618, 23173, 52501, 0, 8, 21, 132, 871, 11709, 0, 6, 14, 20, 112, 253, 13868, 0, 7, 27, 244, 7276, 94421, 0, 6, 13, 138, 4180, 0, 5, 75, 711, 19121, 0, 5, 5, 1, 58, 1403, 13320, 82826, 0, 8, 37, 476, 699, 839, 5021, 58194, 0, 8, 8, 1, 16, 493, 16640, 78855, 0, 8, 7, 41, 730, 9855, 19175, 0, 7, 6, 42, 701, 19656, 0, 6, 5, 37, 30, 131, 89, 751, 825, 5326, 19734, 11206, 56031, 0, 13, 59, 579, 15391, 0, 5, 17, 351, 1391, 34462, 0, 6, 24, 298, 16613, 4588, 0, 6, 6, 1, 51, 1311, 33729, 0, 7, 43, 154, 4791, 10908, 53062, 0, 7, 7, 1, 14, 106, 882, 937, 1083, 1615, 6536, 72599, 0, 12, 335, 9204, 43978, 0, 5, 43, 24, 38, 1481, 6593, 71884, 0, 8, 82, 207, 4266, 27761, 0, 6, 44, 1324, 5937, 1777, 5620, 0, 7, 37, 81, 610, 357, 2817, 30597, 0, 8, 21, 156, 7635, 0, 5, 34, 780, 13679, 0, 5, 5, 1, 56, 1064, 6543, 31490, 0, 8, 18, 267, 2678, 24905, 0, 6, 39, 329, 1150, 806, 16156, 69965, 0, 8, 14, 76, 1031, 1633, 13654, 18211, 43279, 0, 9, 253, 188, 4560, 12858, 0, 6, 23, 512, 1403, 173, 9461, 12907, 0, 8, 23, 8, 2, 488, 4662, 56548, 0, 8, 6, 17, 136, 1165, 25093, 40803, 0, 8, 8, 1, 61, 650, 2432, 10423, 0, 8, 7, 88, 493, 189, 1168, 6079, 93653, 0, 9, 47, 988, 4278, 40872, 0, 6, 30, 182, 524, 652, 3092, 4206, 27754, 0, 9, 15, 1588, 2472, 38250, 0, 6, 15, 6, 2, 54, 646, 15932, 10648, 0, 9, 15, 9, 2, 9, 2, 2, 1, 52, 2515, 28445, 0, 12, 164, 7110, 80445, 0, 5, 124, 1555, 12693, 32566, 0, 6, 30, 47, 54, 31, 624, 721, 20275, 919, 21043, 0, 11, 451, 5740, 20384, 68675, 0, 6, 17, 94, 2149, 14848, 0, 6, 6, 1, 41, 268, 2236, 73002, 0, 8, 93, 384, 5956, 34271, 0, 6, 13, 256, 6161, 32701, 14086, 0, 7, 105, 1252, 2359, 12107, 54638, 0, 7, 7, 1, 28, 386, 2956, 21071, 42425, 0, 9, 79, 10338, 0, 4, 606, 3224, 84293, 0, 5, 75, 342, 2456, 10517, 0, 6, 38, 243, 560, 11229, 34529, 0, 7, 30, 82, 245, 7045, 93595, 0, 7, 1, 38, 16, 342, 23, 180, 399, 12674, 84430, 0, 12, 112, 390, 13176, 8500, 0, 6, 32, 662, 33237, 0, 5, 43, 282, 11758, 69449, 0, 6, 11, 108, 583, 17506, 0, 6, 6, 1, 35, 1277, 24546, 0, 7, 41, 106, 316, 10991, 0, 6, 12, 37, 287, 2899, 69765, 0, 7, 13, 107, 1819, 26855, 0, 6, 13, 6, 2, 170, 5168, 36105, 0, 8, 127, 5261, 90070, 0, 5, 51, 362, 4208, 0, 5, 5, 1, 44, 326, 5032, 92675, 0, 8, 18, 299, 2009, 622, 998, 16871, 0, 8, 8, 1, 16, 94, 169, 1246, 10620, 0, 9, 133, 4711, 20077, 0, 5, 29, 606, 135, 5316, 74237, 0, 7, 61, 273, 1225, 30461, 0, 6, 59, 429, 3321, 98478, 0, 6, 6, 1, 33, 595, 1729, 5243, 0, 8, 40, 1313, 18195, 51383, 0, 6, 13, 81, 380, 7952, 1633, 341, 1700, 13417, 0, 10, 623, 4430, 52169, 0, 5, 48, 628, 10411, 47174, 0, 6, 21, 393, 8955, 0, 5, 11, 139, 1138, 9139, 0, 6, 11, 6, 2, 113, 1008, 20887, 0, 8, 46, 1098, 16033, 0, 5, 19, 1491, 33695, 0, 5, 5, 1, 64, 1178, 17993, 0, 7, 83, 806, 403, 621, 3586, 3797, 33419, 0, 9, 104, 4912, 4640, 10999, 0, 6, 38, 212, 3082, 22347, 20315, 0, 7, 22, 628, 64, 29, 115, 681, 13264, 0, 9, 22, 9, 2, 56, 451, 312, 2471, 823, 5918, 95939, 0, 12, 193, 1635, 40313, 0, 5, 54, 334, 17869, 0, 5, 5, 1, 60, 972, 21079, 0, 7, 38, 45, 4132, 9402, 72602, 0, 7, 7, 1, 14, 466, 4929, 6557, 16401, 0, 9, 43, 252, 2289, 29813, 0, 6, 67, 984, 24075, 0, 5, 33, 156, 516, 784, 2782, 5850, 26718, 0, 9, 20, 674, 4833, 89031, 0, 6, 20, 6, 2, 71, 698, 10245, 0, 8, 127, 240, 4594, 0, 5, 28, 350, 1820, 70415, 0, 6, 17, 392, 2348, 69690, 0, 6, 6, 1, 60, 74, 1672, 19576, 45994, 0, 9, 40, 199, 8763, 26507, 0, 6, 14, 73, 1080, 7442, 0, 6, 6, 1, 21, 186, 2336, 33376, 3846, 6398, 19456, 42313, 0, 12, 117, 2870, 75811, 0, 5, 50, 1752, 37272, 0, 5, 5, 1, 22, 141, 4311, 15779, 0, 8, 68, 2433, 5255, 930, 8669, 69288, 0, 8, 8, 1, 16, 290, 8110, 35781, 0, 8, 7, 127, 85, 1171, 72245, 0, 7, 6, 53, 929, 4784, 35368, 0, 7, 7, 1, 22, 38, 151, 1169, 29105, 0, 9, 81, 273, 300, 1600, 8463, 5003, 27018, 0, 9, 9, 1, 18, 340, 2513, 32509, 0, 8, 40, 98, 1631, 14098, 0, 6, 38, 29, 216, 2310, 22824, 0, 7, 38, 7, 2, 145, 5023, 22239, 37983, 0, 9, 29, 15, 568, 1994, 37023, 0, 7, 14, 121, 2190, 4695, 0, 6, 29, 13, 327, 4542, 42751, 0, 7, 13, 6, 9, 23, 473, 8053, 12305, 44487, 19418, 0, 11, 311, 10625, 6077, 2732, 17442, 24439, 0, 8, 61, 378, 1218, 9754, 12972, 0, 7, 26, 1542, 38973, 0, 5, 136, 671, 7800, 0, 5, 5, 1, 86, 3019, 19838, 5718, 19158, 0, 9, 42, 845, 16201, 0, 5, 13, 50, 162, 2651, 89930, 0, 7, 31, 618, 1175, 4023, 12820, 0, 7, 1, 28, 227, 1244, 2365, 9990, 11161, 0, 10, 397, 19720, 0, 4, 578, 24555, 0, 4, 4, 1, 18, 132, 945, 5457, 0, 8, 71, 261, 7365, 95636, 0, 6, 94, 473, 93, 631, 41640, 0, 7, 38, 132, 19, 393, 417, 8195, 0, 8, 21, 237, 4984, 28467, 1917, 10715, 8701, 0, 9, 75, 615, 13151, 0, 5, 75, 5, 2, 154, 885, 3910, 51155, 0, 9, 14, 147, 6138, 42943, 0, 6, 44, 534, 7769, 0, 5, 18, 61, 127, 228, 5403, 14982, 33283, 47696, 0, 10, 81, 214, 4226, 30933, 0, 6, 21, 50, 111, 1649, 23483, 50868, 0, 8, 58, 999, 12372, 21996, 0, 6, 14, 41, 609, 6893, 0, 6, 6, 1, 99, 2237, 21273, 32622, 0, 8, 20, 363, 3098, 61629, 0, 6, 13, 145, 222, 4439, 59961, 0, 7, 99, 19, 98, 245, 685, 1382, 33504, 0, 9, 77, 1647, 4054, 36581, 0, 6, 22, 283, 7924, 0, 5, 77, 11, 213, 2769, 21097, 0, 7, 27, 1077, 3059, 11544, 0, 6, 18, 90, 1245, 3172, 42614, 0, 7, 13, 47, 806, 519, 12670, 0, 7, 7, 1, 68, 349, 1799, 42238, 0, 8, 68, 6, 24, 992, 2597, 2239, 10488, 0, 9, 55, 1820, 426, 1860, 14073, 0, 7, 23, 270, 3913, 26892, 23100, 0, 7, 7, 1, 31, 225, 3101, 24311, 0, 8, 31, 6, 31, 2, 164, 867, 14495, 57634, 0, 10, 143, 3753, 89699, 0, 5, 81, 148, 2563, 4275, 37289, 0, 7, 29, 317, 1762, 4903, 83288, 0, 7, 7, 1, 37, 745, 16711, 73756, 0, 8, 37, 6, 37, 2, 37, 2, 2, 1, 14, 158, 2379, 10852, 32542, 0, 15, 358, 5407, 69469, 0, 5, 42, 300, 403, 621, 621, 1, 18, 116, 3222, 5835, 27862, 0, 13, 115, 608, 8007, 33674, 0, 6, 37, 35, 803, 15735, 64440, 0, 7, 53, 445, 3600, 12096, 24472, 0, 7, 7, 1, 29, 70, 1366, 3282, 41180, 41790, 0, 10, 90, 152, 11371, 0, 5, 48, 711, 1230, 6263, 1529, 43057, 0, 8, 76, 1073, 20968, 0, 5, 13, 49, 1386, 24650, 74529, 0, 7, 34, 1113, 11660, 0, 5, 12, 535, 21342, 0, 5, 5, 1, 45, 640, 9059, 0, 7, 17, 585, 6266, 90767, 0, 6, 72, 1456, 4195, 46875, 0, 6, 6, 1, 19, 241, 3191, 85747, 0, 8, 49, 43, 651, 30716, 0, 6, 13, 50, 295, 13560, 86639, 0, 7, 33, 652, 1072, 19276, 24742, 0, 7, 7, 1, 28, 406, 4099, 81407, 0, 8, 28, 6, 24, 221, 2052, 56385, 0, 8, 8, 1, 16, 576, 4585, 55313, 0, 8, 7, 24, 15, 157, 2728, 9065, 8146, 84631, 0, 10, 116, 152, 116, 2, 176, 6568, 20693, 0, 9, 247, 10595, 24459, 0, 5, 94, 422, 3911, 34230, 20555, 0, 7, 30, 1007, 19215, 8237, 0, 6, 51, 932, 9682, 19788, 67578, 0, 7, 13, 82, 1020, 22766, 0, 6, 13, 6, 2, 39, 1228, 26288, 7395, 22085, 0, 10, 50, 97, 4111, 2193, 1443, 30554, 0, 8, 68, 305, 6887, 64781, 0, 6, 22, 351, 1345, 2199, 27212, 0, 7, 37, 211, 2709, 13442, 0, 6, 13, 37, 7, 9, 72, 149, 3338, 29047, 0, 10, 37, 9, 8, 32, 1051, 4765, 30258, 0, 9, 7, 17, 171, 1979, 100881, 0, 7, 6, 27, 379, 4346, 20109, 25932, 0, 8, 21, 454, 19979, 19544, 0, 6, 13, 40, 664, 9939, 74278, 0, 7, 21, 13, 8, 16, 143, 334, 860, 32816, 0, 10, 47, 395, 5591, 0, 5, 125, 3746, 23086, 0, 5, 5, 1, 162, 598, 12706, 48382, 0, 8, 25, 1801, 12487, 0, 5, 12, 243, 1150, 1342, 11352, 34192, 0, 8, 13, 40, 48, 278, 2440, 78988, 0, 8, 8, 1, 29, 299, 1067, 17131, 0, 8, 7, 58, 517, 7635, 1391, 1464, 28433, 0, 9, 94, 176, 187, 2864, 0, 6, 79, 1204, 5955, 0, 5, 44, 565, 14364, 0, 5, 5, 1, 33, 249, 1748, 29624, 0, 8, 33, 6, 20, 531, 8977, 66380, 0, 8, 8, 1, 16, 97, 174, 7163, 43409, 0, 9, 41, 559, 13340, 0, 5, 29, 61, 595, 1086, 11873, 0, 7, 61, 6, 29, 9, 16, 23, 479, 11520, 13462, 31387, 0, 12, 97, 30, 235, 7571, 24591, 0, 7, 19, 322, 3413, 0, 5, 31, 481, 5395, 34278, 0, 6, 28, 299, 98, 575, 5428, 0, 7, 18, 433, 17667, 66121, 0, 6, 13, 121, 803, 426, 525, 6292, 35957, 0, 9, 48, 128, 2772, 0, 5, 33, 86, 767, 5030, 49109, 0, 7, 27, 203, 3234, 41099, 0, 6, 27, 6, 2, 273, 878, 7308, 0, 8, 98, 46, 1119, 61359, 0, 6, 12, 73, 965, 14807, 0, 6, 6, 1, 111, 676, 7919, 29955, 0, 8, 20, 125, 203, 35, 483, 5705, 71454, 0, 9, 55, 588, 4965, 41668, 9593, 0, 7, 50, 307, 3140, 73197, 0, 6, 29, 118, 3692, 33187, 0, 6, 6, 1, 36, 1763, 17717, 0, 7, 19, 114, 4656, 65220, 0, 6, 12, 55, 33, 84, 2610, 3875, 24481, 0, 9, 41, 160, 2463, 2807, 2682, 60727, 0, 8, 58, 217, 2254, 37464, 0, 6, 23, 157, 413, 9249, 0, 6, 6, 1, 42, 572, 3065, 73018, 0, 8, 20, 78, 2347, 72750, 0, 6, 13, 139, 1236, 10825, 0, 6, 6, 1, 20, 14, 605, 3421, 19562, 69188, 0, 10, 307, 83, 1222, 16585, 0, 6, 15, 455, 4835, 19456, 1074, 10855, 0, 8, 36, 84, 71, 871, 1821, 34421, 0, 8, 8, 1, 32, 375, 19424, 30563, 36356, 0, 9, 81, 673, 7435, 49907, 0, 6, 31, 211, 407, 3303, 97748, 0, 7, 109, 8238, 29318, 0, 5, 190, 3641, 9799, 0, 5, 5, 1, 32, 32, 1, 3, 2923, 0, 9, 32, 6, 28, 233, 4382, 22044, 0, 8, 48, 217, 113, 1316, 18674, 21645, 23462, 45355, 0, 10, 81, 50, 166, 9867, 40944, 8564, 66507, 0, 9, 27, 218, 3748, 74737, 0, 6, 31, 59, 1395, 2978, 39053, 0, 7, 59, 6, 9, 16, 300, 706, 18349, 0, 9, 6, 8, 43, 608, 701, 1860, 793, 5486, 0, 10, 41, 172, 12122, 0, 5, 72, 487, 2256, 61927, 0, 6, 20, 141, 1182, 29832, 0, 6, 6, 1, 82, 547, 2178, 91633, 0, 8, 33, 204, 21749, 43753, 0, 6, 13, 169, 1475, 41858, 0, 6, 6, 1, 20, 28, 97, 349, 857, 11356, 0, 10, 47, 476, 1938, 2829, 69054, 0, 7, 73, 289, 8834, 0, 5, 54, 1354, 62505, 0, 5, 5, 1, 27, 98, 309, 4909, 0, 8, 47, 25, 484, 8804, 0, 6, 40, 475, 5119, 80057, 0, 6, 6, 1, 20, 47, 15, 204, 63, 2471, 1397, 26693, 0, 12, 276, 4280, 39799, 0, 5, 36, 209, 2947, 26590, 0, 6, 22, 606, 1540, 22518, 17895, 0, 7, 60, 1328, 9603, 39178, 0, 6, 13, 89, 1979, 586, 6116, 0, 7, 13, 7, 2, 377, 3900, 30390, 0, 8, 63, 45, 778, 12251, 0, 6, 21, 580, 2860, 79644, 0, 6, 6, 1, 63, 14, 279, 7671, 78691, 0, 9, 166, 195, 6919, 64341, 0, 6, 14, 12, 68, 669, 16640, 2045, 11225, 0, 9, 15, 83, 293, 2398, 75754, 0, 7, 49, 795, 14432, 0, 5, 82, 164, 959, 11092, 0, 6, 27, 123, 6552, 23340, 0, 6, 6, 1, 48, 248, 4258, 40815, 0, 8, 68, 39, 724, 6895, 57896, 0, 7, 32, 269, 2270, 26362, 0, 6, 20, 130, 2504, 44255, 0, 6, 6, 1, 27, 35, 444, 8697, 0, 8, 27, 6, 9, 62, 2204, 36849, 0, 8, 8, 1, 16, 256, 1834, 33893, 0, 8, 7, 37, 723, 11947, 32629, 0, 7, 6, 22, 147, 1187, 28852, 0, 7, 7, 1, 22, 8, 18, 547, 245, 1128, 35427, 0, 11, 1114, 20063, 0, 4, 1259, 7000, 25909, 22169, 0, 6, 27, 51, 818, 43089, 0, 6, 6, 1, 27, 8, 27, 2, 163, 7602, 28677, 0, 11, 27, 7, 39, 96, 2737, 2983, 56716, 0, 9, 74, 1520, 16436, 0, 5, 129, 3087, 46795, 0, 5, 5, 1, 30, 626, 9753, 0, 7, 24, 896, 37549, 0, 5, 11, 32, 120, 3392, 100932, 0, 7, 12, 173, 2059, 16882, 0, 6, 54, 283, 1192, 62956, 0, 6, 6, 1, 31, 376, 5814, 55592, 0, 8, 65, 3537, 23937, 0, 5, 32, 31, 12, 27, 66, 4041, 4489, 29383, 0, 10, 324, 8267, 0, 4, 100, 3789, 0, 4, 4, 1, 31, 19, 569, 9049, 0, 8, 31, 6, 40, 311, 1446, 30481, 0, 8, 8, 1, 16, 157, 555, 11034, 23332, 23125, 0

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2 , 10, 34, 1059, 5536, 0, 5, 49, 232, 3465, 26924, 0, 6, 27, 52, 2064, 3536, 0, 6, 6, 1, 27, 8, 30, 107, 1913, 31820, 0, 10, 27, 8, 8, 1, 12, 73, 383, 2621, 27370, 0, 11, 113, 492, 7584, 0, 5, 38, 1412, 4737, 34374, 0, 6, 31, 67, 1716, 10220, 0, 6, 6, 1, 26, 1503, 31179, 0, 7, 131, 2326, 90898, 0, 5, 24, 148, 1236, 610, 2253, 15842, 35154, 26505, 0, 10, 50, 522, 18734, 59043, 0, 6, 27, 56, 1798, 3723, 29491, 0, 7, 28, 455, 611, 4290, 73602, 0, 7, 7, 1, 42, 654, 11053, 0, 7, 6, 22, 248, 313, 8045, 58929, 0, 8, 82, 334, 952, 18776, 0, 6, 13, 396, 9484, 0, 5, 56, 39, 229, 8353, 0, 6, 11, 92, 5086, 0, 5, 11, 5, 2, 249, 896, 218, 575, 832, 10536, 63227, 0, 12, 114, 737, 12690, 35825, 0, 6, 23, 715, 5907, 39667, 0, 6, 6, 1, 61, 885, 1504, 3587, 93751, 0, 9, 265, 5250, 76187, 0, 5, 36, 476, 530, 4440, 54461, 0, 7, 75, 1526, 29241, 0, 5, 12, 39, 61, 26, 130, 376, 243, 1000, 7985, 0, 11, 60, 486, 4354, 0, 5, 16, 208, 6922, 0, 5, 5, 1, 47, 525, 886, 21540, 0, 8, 101, 3862, 3719, 32374, 0, 6, 60, 24, 153, 2937, 6052, 46883, 0, 8, 14, 470, 4121, 99070, 0, 6, 14, 6, 2, 99, 1506, 33560, 59594, 0, 9, 75, 63, 499, 8323, 10107, 31232, 0, 8, 23, 98, 589, 17768, 0, 6, 21, 520, 6788, 0, 5, 55, 846, 17602, 0, 5, 5, 1, 61, 82, 157, 277, 3157, 38544, 0, 10, 199, 1887, 2701, 48698, 0, 6, 26, 95, 3914, 66738, 0, 6, 6, 1, 22, 185, 3599, 26625, 0, 8, 46, 942, 7470, 23821, 0, 6, 13, 184, 2720, 43997, 0, 6, 6, 1, 20, 499, 67, 262, 2681, 8205, 20384, 2339, 25576, 0, 13, 18, 462, 5966, 57924, 0, 6, 18, 6, 2, 94, 1108, 18826, 30126, 45286, 0, 10, 61, 69, 2975, 66650, 0, 6, 14, 110, 2769, 1592, 24868, 0, 7, 171, 1220, 22978, 0, 5, 88, 2452, 11651, 0, 5, 5, 1, 52, 350, 1995, 8458, 48528, 0, 9, 127, 1694, 3525, 35846, 0, 6, 32, 419, 15202, 0, 5, 19, 403, 1506, 145, 1659, 8378, 46928, 0, 9, 20, 79, 1162, 6592, 19892, 0, 7, 46, 100, 427, 39394, 0, 6, 27, 319, 9052, 0, 5, 27, 5, 2, 80, 3046, 6155, 22294, 0, 9, 27, 9, 2, 9, 2, 2, 1, 61, 86, 1091, 19088, 33768, 0, 14, 86, 6, 30, 411, 4372, 25372, 0, 8, 142, 2896, 102489, 0, 5, 34, 443, 7677, 38307, 0, 6, 17, 1320, 49160, 0, 5, 11, 260, 17529, 0, 5, 5, 1, 38, 418, 22097, 37091, 0, 8, 29, 1072, 1475, 841, 12923, 4858, 61122, 0, 9, 56, 353, 6454, 0, 5, 21, 225, 1671, 8184, 0, 6, 38, 26, 206, 5128, 39047, 0, 7, 98, 243, 305, 1405, 33782, 41370, 0, 8, 35, 682, 5992, 50635, 0, 6, 21, 27, 93, 1884, 39123, 0, 7, 21, 7, 2, 96, 622, 2376, 49546, 0, 9, 48, 732, 4442, 78485, 0, 6, 22, 240, 2168, 0, 5, 54, 598, 1357, 10804, 11209, 0, 7, 25, 874, 25320, 0, 5, 12, 363, 1830, 22600, 0, 6, 23, 303, 3380, 5876, 22847, 0, 7, 18, 233, 1022, 4487, 23771, 39075, 0, 8, 66, 608, 981, 10767, 19711, 0, 7, 15, 809, 6602, 8849, 0, 6, 28, 491, 2977, 28670, 0, 6, 6, 1, 128, 1261, 5746, 0, 7, 19, 214, 1911, 59596, 0, 6, 12, 53, 1702, 48058, 0, 6, 6, 1, 19, 14, 180, 2551, 6011, 19929, 0, 10, 279, 870, 11997, 7565, 33742, 11805, 0, 8, 56, 148, 557, 3488, 59427, 0, 7, 37, 789, 6911, 44008, 0, 6, 30, 205, 23620, 0, 5, 95, 359, 14213, 0, 5, 5, 1, 41, 1054, 6558, 67638, 0, 8, 31, 606, 953, 19549, 0, 6, 24, 441, 10655, 0, 5, 18, 106, 2571, 50732, 0, 6, 11, 218, 534, 2005, 6298, 0, 7, 48, 155, 4743, 37866, 0, 6, 13, 365, 8832, 82143, 0, 6, 6, 1, 44, 1460, 11518, 49242, 0, 8, 44, 6, 9, 178, 5777, 26047, 73681, 0, 9, 6, 8, 11, 38, 224, 3184, 72780, 0, 9, 1, 26, 231, 3830, 44558, 0, 8, 15, 150, 9257, 26658, 23324, 0, 7, 53, 131, 671, 2174, 44728, 0, 7, 7, 1, 22, 211, 1231, 7691, 0, 8, 22, 6, 40, 765, 43884, 0, 7, 14, 145, 372, 3378, 60796, 0, 7, 7, 1, 22, 16, 564, 3111, 59632, 0, 9, 52, 408, 6964, 0, 5, 109, 1258, 3608, 6871, 0, 6, 32, 406, 1781, 14400, 0, 6, 6, 1, 26, 70, 1881, 92010, 0, 8, 48, 116, 1762, 1957, 3682, 35955, 0, 8, 8, 1, 16, 41, 157, 537, 5663, 99106, 0, 10, 197, 4497, 50023, 0, 5, 43, 1231, 76, 1891, 9853, 45157, 0, 8, 22, 63, 584, 13259, 0, 6, 44, 133, 2676, 21940, 0, 6, 6, 1, 35, 338, 5254, 8547, 52810, 0, 9, 77, 2097, 9489, 0, 5, 34, 409, 11552, 42542, 0, 6, 19, 250, 3796, 0, 5, 11, 153, 643, 11021, 42952, 0, 7, 108, 2787, 29065, 0, 5, 12, 275, 5564, 51294, 21644, 0, 7, 12, 7, 2, 367, 9568, 71050, 0, 8, 64, 2614, 53457, 0, 5, 20, 506, 5547, 0, 5, 5, 1, 62, 1074, 1420, 19414, 0, 8, 18, 242, 5870, 0, 5, 12, 31, 259, 4802, 68246, 0, 7, 36, 748, 8408, 24198, 0, 6, 68, 1128, 1065, 5464, 27602, 0, 7, 13, 248, 828, 4514, 0, 6, 13, 6, 2, 57, 3886, 11816, 0, 8, 39, 762, 29527, 54753, 0, 6, 12, 40, 205, 317, 2117, 67622, 0, 8, 14, 207, 3159, 17486, 49809, 0, 7, 35, 128, 380, 2773, 83228, 0, 7, 7, 1, 75, 735, 14751, 14560, 50964, 0, 9, 137, 9148, 0, 4, 1013, 21474, 0, 4, 4, 1, 17, 545, 6702, 73356, 0, 8, 39, 53, 269, 1196, 12590, 0, 7, 31, 93, 498, 6889, 0, 6, 60, 794, 6565, 14093, 0, 6, 6, 1, 27, 512, 3151, 38553, 0, 8, 27, 6, 9, 46, 634, 4601, 26899, 0, 9, 6, 8, 11, 175, 4246, 82860, 0, 8, 6, 8, 2, 105, 3039, 13606, 0, 8, 6, 8, 2, 8, 2, 2, 1, 38, 348, 9379, 13858, 0, 13, 125, 1691, 17112, 0, 5, 157, 263, 5892, 37801, 0, 6, 23, 523, 3648, 29110, 0, 6, 6, 1, 25, 542, 25585, 0, 7, 82, 820, 7282, 29817, 0, 6, 12, 142, 658, 14064, 0, 6, 6, 1, 19, 245, 1243, 51929, 0, 8, 53, 108, 240, 580, 1375, 7763, 0, 8, 8, 1, 16, 314, 4674, 59040, 0, 8, 7, 37, 495, 4987, 65364, 0, 7, 6, 31, 126, 3693, 83143, 0, 7, 7, 1, 22, 315, 8710, 0, 7, 6, 14, 186, 2745, 28602, 0, 7, 7, 1, 14, 8, 32, 376, 969, 9821, 25060, 0, 11, 125, 99, 929, 2711, 7169, 20199, 54484, 0, 9, 137, 189, 3269, 48262, 0, 6, 32, 22, 39, 181, 5504, 43734, 0, 8, 30, 550, 10794, 0, 5, 122, 3994, 33943, 0, 5, 5, 1, 44, 367, 315, 59, 1626, 37867, 0, 10, 394, 11024, 60886, 0, 5, 14, 57, 271, 18752, 0, 6, 34, 37, 93, 212, 2953, 22433, 0, 8, 39, 8, 2, 171, 879, 9149, 36548, 0, 9, 62, 333, 5336, 0, 5, 28, 659, 8888, 0, 5, 5, 1, 48, 452, 17885, 60914, 12802, 0, 9, 19, 151, 2791, 74399, 0, 6, 42, 1161, 10488, 2471, 1577, 7681, 92622, 0, 9, 15, 544, 12742, 6330, 44583, 0, 7, 122, 84, 1789, 22345, 0, 6, 22, 102, 3694, 0, 5, 41, 481, 1988, 65046, 0, 6, 11, 130, 1106, 3794, 60222, 0, 7, 24, 639, 7652, 0, 5, 18, 397, 2704, 48582, 0, 6, 18, 6, 2, 85, 2866, 82561, 0, 8, 91, 4713, 19425, 0, 5, 19, 70, 535, 2379, 2464, 7928, 26582, 0, 9, 64, 443, 890, 6474, 81519, 0, 7, 40, 386, 3323, 4848, 19225, 0, 7, 7, 1, 102, 66, 782, 10964, 0, 8, 36, 435, 7327, 83749, 0, 6, 48, 114, 1216, 11860, 45921, 0, 7, 20, 473, 2744, 72952, 0, 6, 13, 310, 8650, 0, 5, 55, 1118, 7856, 0, 5, 5, 1, 37, 167, 10609, 0, 7, 23, 315, 191, 8909, 13402, 0, 7, 7, 1, 14, 188, 3536, 1388, 23626, 58685, 24589, 0, 11, 115, 2523, 71349, 0, 5, 29, 947, 21626, 0, 5, 5, 1, 21, 906, 16764, 0, 7, 27, 399, 3367, 47437, 0, 6, 58, 2001, 90508, 0, 5, 17, 443, 104, 3178, 17695, 0, 7, 18, 133, 612, 18775, 0, 6, 18, 6, 2, 139, 1995, 1090, 5876, 900, 6858, 0, 11, 52, 691, 34220, 0, 5, 29, 52, 6, 17, 32, 291, 5674, 39355, 0, 10, 269, 474, 4298, 10840, 0, 6, 13, 108, 373, 12595, 0, 6, 6, 1, 69, 1152, 10861, 0, 7, 51, 1618, 7931, 9598, 0, 6, 12, 406, 720, 8075, 51602, 0, 7, 13, 26, 720, 7, 4, 520, 1256, 47756, 0, 10, 42, 258, 8783, 0, 5, 57, 310, 149, 2411, 30468, 0, 7, 18, 80, 1121, 8647, 0, 6, 35, 568, 3027, 94609, 0, 6, 6, 1, 54, 1009, 8828, 0, 7, 19, 225, 1068, 10432, 0, 6, 12, 54, 12, 2, 106, 892, 21050, 0, 9, 231, 844, 8250, 80663, 0, 6, 15, 301, 5267, 68950, 0, 6, 6, 1, 34, 726, 4771, 0, 7, 34, 5, 62, 350, 1223, 4271, 19175, 3865, 84726, 0, 11, 133, 149, 70, 271, 383, 1565, 15194, 0, 9, 39, 377, 1879, 52764, 0, 6, 32, 139, 157, 541, 8177, 90164, 0, 8, 262, 1304, 6539, 0, 5, 37, 236, 10134, 55010, 0, 6, 19, 79, 1239, 7280, 0, 6, 6, 1, 58, 204, 1953, 48711, 0, 8, 25, 558, 7345, 0, 5, 25, 5, 2, 91, 331, 9454, 77791, 0, 9, 53, 547, 1797, 17063, 86918, 0, 7, 80, 132, 3032, 88043, 0, 6, 34, 86, 1240, 23446, 0, 6, 6, 1, 41, 390, 3612, 17653, 0, 8, 41, 6, 9, 30, 499, 1376, 10210, 52594, 0, 10, 175, 654, 1594, 4234, 10990, 42056, 0, 8, 18, 171, 473, 334, 1591, 5216, 22426, 18187, 0, 10, 18, 10, 2, 64, 381, 5144, 73648, 0, 9, 34, 51, 226, 4921, 47178, 0, 7, 64, 13, 220, 13849, 9620, 0, 7, 7, 1, 59, 534, 1063, 10276, 0, 8, 41, 59, 7, 10, 33, 2126, 17094, 0, 9, 31, 618, 3166, 21876, 0, 6, 72, 2157, 44126, 0, 5, 113, 1724, 7476, 0, 5, 5, 1, 33, 23, 379, 2634, 34207, 0, 9, 25, 129, 1870, 7548, 0, 6, 25, 6, 2, 71, 2296, 50510, 0, 8, 48, 429, 3615, 5169, 0, 6, 12, 239, 12250, 0, 5, 33, 32, 193, 3508, 47446, 0, 7, 63, 981, 1239, 180, 1201, 17707, 0, 8, 26, 307, 2344, 60435, 0, 6, 26, 6, 2, 40, 485, 20337, 0, 8, 14, 430, 8143, 45838, 9076, 0, 7, 29, 371, 4516, 41858, 2211, 34771, 0, 8, 15, 275, 970, 26082, 0, 6, 27, 425, 12396, 0, 5, 55, 477, 9634, 9915, 43101, 0, 7, 26, 41, 122, 589, 1614, 36380, 0, 8, 26, 8, 2, 49, 1869, 7693, 95632, 0, 9, 104, 441, 1219, 26685, 0, 6, 35, 350, 301, 317, 933, 15372, 0, 8, 21, 473, 192, 10649, 0, 6, 14, 70, 305, 1406, 34754, 0, 7, 44, 708, 33143, 0, 5, 56, 1288, 21575, 0, 5, 5, 1, 150, 1193, 73656, 0, 7, 17, 455, 1834, 2089, 42678, 0, 7, 7, 1, 14, 33, 133, 341, 3736, 86308, 0, 10, 195, 2189, 28563, 41008, 0, 6, 6, 1, 47, 1740, 28228, 38848, 0, 6, 6, 1, 22, 673, 2451, 78827, 0, 8, 67, 1649, 3270, 87008, 0, 6, 13, 239, 171, 267, 4128, 37549, 2051, 23507, 0, 10, 36, 622, 1459, 10182, 0, 6, 16, 864, 14407, 0, 5, 70, 87, 5686, 12213, 0, 6, 11, 401, 11074, 52491, 0, 6, 6, 1, 47, 55, 147, 2154, 10368, 0, 9, 129, 232, 2004, 5475, 0, 6, 14, 82, 927, 4405, 24882, 13126, 31851, 36382, 0, 10, 48, 235, 2737, 2130, 45762, 0, 7, 100, 1635, 3737, 0, 5, 49, 163, 2150, 26707, 0, 6, 28, 803, 2724, 55393, 0, 6, 6, 1, 49, 14, 37, 431, 13406, 13023, 30599, 0, 11, 65, 2109, 13324, 18977, 0, 6, 16, 83, 2300, 51426, 0, 6, 6, 1, 23, 304, 6132, 17038, 0, 8, 119, 5651, 36473, 0, 5, 48, 60, 1073, 3157, 1816, 8655, 77448, 0, 9, 85, 780, 4266, 4292, 0, 6, 27, 249, 1964, 47380, 0, 6, 6, 1, 34, 388, 11678, 0, 7, 81, 2559, 45174, 0, 5, 33, 184, 1816, 31, 370, 5106, 0, 8, 46, 1096, 18735, 14908, 35649, 0, 7, 20, 765, 1384, 63526, 0, 6, 32, 337, 17457, 0, 5, 26, 273, 2797, 81361, 0, 6, 11, 91, 501, 5954, 36027, 0, 7, 24, 857, 2520, 20832, 0, 6, 13, 196, 5055, 93914, 0, 6, 6, 1, 63, 363, 1624, 6263, 3250, 10110, 28090, 0, 11, 29, 343, 5920, 54894, 0, 6, 16, 120, 2261, 22726, 0, 6, 6, 1, 23, 120, 8, 71, 412, 5134, 0, 10, 177, 5965, 78546, 0, 5, 63, 36, 231, 645, 7194, 7917, 49230, 0, 9, 122, 351, 3120, 84284, 0, 6, 29, 42, 705, 31365, 0, 6, 6, 1, 36, 22, 276, 2541, 42864, 0, 9, 21, 343, 57, 716, 11430, 65741, 0, 8, 48, 160, 2822, 0, 5, 43, 1432, 9672, 0, 5, 5, 1, 27, 157, 647, 6568, 3223, 52365, 0, 10, 63, 58, 630, 18857, 0, 6, 42, 48, 27, 16, 88, 1920, 26321, 0, 9, 43, 30, 595, 3012, 66889, 0, 7, 130, 993, 5321, 31537, 0, 6, 22, 62, 709, 22239, 3792, 0, 7, 13, 137, 1128, 1375, 1190, 6884, 58883, 0, 9, 29, 87, 321, 12494, 69045, 0, 7, 16, 42, 46, 192, 423, 4961, 0, 8, 79, 695, 16820, 0, 5, 73, 2297, 42007, 10394, 62915, 0, 7, 20, 203, 2962, 17934, 87694, 0, 7, 7, 1, 88, 70, 358,

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2 3479, 32868, 0, 9, 43, 72, 596, 13054, 0, 6, 65, 298, 4601, 1328, 2651, 3781, 64407, 0, 9, 15, 522, 2290, 12627, 0, 6, 15, 6, 2, 502, 11918, 0, 7, 36, 150, 462, 2060, 9936, 0, 7, 7, 1, 44, 482, 7217, 5716, 26399, 0, 9, 29, 87, 87, 1, 11, 221, 3392, 2475, 8646, 78846, 0, 12, 611, 2316, 22366, 0, 5, 84, 1136, 73885, 0, 5, 5, 1, 20, 84, 8, 99, 1258, 1648, 8146, 3398, 15720, 0, 13, 130, 144, 5090, 79791, 0, 6, 62, 143, 3278, 76926, 0, 6, 6, 1, 25, 663, 16784, 0, 7, 62, 13, 21, 215, 5675, 62796, 0, 8, 35, 572, 3013, 32341, 0, 6, 20, 44, 76, 1646, 38800, 63527, 0, 8, 14, 420, 23458, 0, 5, 58, 211, 1736, 53813, 0, 6, 19, 855, 8472, 73099, 0, 6, 6, 1, 46, 173, 2560, 43099, 0, 8, 25, 52, 1031, 4642, 40879, 0, 7, 54, 948, 7078, 77481, 0, 6, 20, 46, 20, 2, 138, 4827, 64913, 0, 9, 123, 2734, 23702, 0, 5, 47, 522, 157, 268, 4537, 72592, 0, 8, 35, 74, 2631, 17606, 8640, 0, 7, 35, 7, 2, 28, 499, 856, 6217, 24774, 76975, 0, 11, 149, 955, 6446, 0, 5, 31, 434, 11997, 1939, 67084, 0, 7, 21, 110, 2219, 23431, 44282, 0, 7, 7, 1, 80, 908, 47745, 0, 7, 6, 67, 616, 24196, 0, 6, 5, 28, 41, 720, 1075, 8244, 0, 8, 58, 113, 829, 11381, 0, 6, 14, 124, 4639, 57677, 0, 6, 6, 1, 33, 486, 2409, 24352, 0, 8, 20, 98, 2117, 1655, 8270, 83465, 0, 8, 8, 1, 16, 304, 546, 25900, 0, 8, 7, 51, 906, 1206, 11220, 0, 7, 6, 31, 79, 311, 2651, 275, 792, 28424, 0, 10, 378, 4095, 48864, 0, 5, 65, 290, 4208, 4521, 0, 6, 20, 44, 190, 3134, 71419, 0, 7, 28, 78, 3210, 41699, 0, 6, 13, 216, 4174, 0, 5, 24, 515, 9711, 97125, 0, 6, 11, 129, 670, 7566, 0, 6, 6, 1, 66, 1336, 32301, 0, 7, 30, 410, 17721, 0, 5, 24, 24, 1, 13, 32, 561, 44763, 0, 9, 186, 1557, 44094, 0, 5, 14, 114, 1349, 11297, 27942, 0, 7, 26, 573, 5420, 0, 5, 12, 315, 1331, 10607, 0, 6, 43, 376, 1571, 20278, 83732, 0, 7, 18, 1024, 28950, 0, 5, 18, 5, 2, 201, 5289, 73390, 0, 8, 122, 532, 6680, 71686, 0, 6, 26, 37, 702, 9534, 0, 6, 6, 1, 63, 497, 11560, 0, 7, 32, 67, 191, 1376, 1082, 44033, 0, 8, 27, 502, 400, 8847, 0, 6, 20, 127, 2413, 17313, 0, 6, 6, 1, 27, 14, 80, 220, 1063, 1055, 12425, 0, 11, 119, 718, 18465, 0, 5, 61, 2380, 45527, 0, 5, 5, 1, 21, 248, 1877, 6101, 42604, 0, 9, 112, 4752, 78312, 0, 5, 13, 123, 304, 203, 488, 4945, 7965, 22138, 0, 10, 189, 1658, 9580, 0, 5, 15, 464, 20773, 0, 5, 5, 1, 34, 736, 11165, 37341, 0, 8, 75, 1873, 47180, 0, 5, 12, 133, 921, 19838, 4290, 2766, 0, 8, 13, 41, 280, 8890, 5487, 0, 7, 103, 5303, 0, 4, 1361, 21568, 0, 4, 4, 1, 36, 500, 5689, 0, 7, 15, 48, 614, 10369, 0, 6, 103, 21, 82, 877, 12909, 19708, 13488, 19782, 72749, 0, 11, 104, 1022, 2341, 19241, 0, 6, 17, 984, 4574, 76184, 0, 6, 6, 1, 36, 36, 1, 3, 3387, 35044, 0, 10, 92, 2794, 27415, 0, 5, 74, 396, 2811, 18738, 51583, 0, 7, 51, 309, 3274, 29360, 27572, 0, 7, 7, 1, 26, 191, 177, 745, 4100, 7297, 33602, 0, 11, 52, 456, 5770, 89555, 0, 6, 45, 3229, 63514, 0, 5, 36, 48, 80, 176, 3745, 22095, 0, 8, 110, 410, 282, 4898, 37198, 0, 7, 36, 15, 96, 2464, 1655, 371, 1147, 19532, 0, 10, 66, 304, 167, 1605, 29639, 0, 7, 17, 89, 3282, 4088, 0, 6, 43, 275, 366, 14143, 0, 6, 6, 1, 66, 21, 120, 818, 3136, 48325, 0, 10, 29, 623, 4815, 70478, 0, 6, 15, 44, 371, 42, 711, 4107, 101404, 0, 9, 217, 3489, 33060, 0, 5, 74, 110, 67, 273, 897, 61376, 0, 8, 74, 8, 2, 307, 1233, 38527, 0, 8, 6, 31, 422, 4010, 58854, 0, 7, 65, 414, 6588, 6076, 37333, 0, 7, 7, 1, 60, 985, 60355, 0, 7, 6, 21, 65, 16, 459, 6105, 55239, 0, 9, 51, 149, 536, 12301, 0, 6, 14, 301, 1204, 3864, 0, 6, 6, 1, 28, 438, 18285, 0, 7, 28, 5, 67, 65, 29, 89, 111, 3743, 0, 10, 95, 2472, 5187, 94815, 0, 6, 22, 827, 10482, 0, 5, 19, 642, 6126, 18449, 0, 6, 11, 178, 2430, 23145, 0, 6, 6, 1, 40, 1314, 6314, 100327, 0, 8, 90, 4229, 94115, 0, 5, 25, 653, 22183, 0, 5, 5, 1, 18, 417, 4523, 0, 7, 58, 572, 704, 6663, 16076, 0, 7, 7, 1, 14, 80, 205, 2218, 40023, 0, 9, 93, 1958, 66119, 0, 5, 27, 394, 1977, 19005, 28957, 0, 7, 20, 409, 2338, 19252, 0, 6, 58, 34, 353, 2721, 44847, 0, 7, 13, 340, 4723, 52787, 0, 6, 13, 6, 2, 162, 4034, 52462, 0, 8, 72, 864, 1234, 23572, 0, 6, 12, 368, 7849, 70335, 0, 6, 6, 1, 60, 160, 986, 38799, 0, 8, 20, 47, 714, 23783, 0, 6, 13, 34, 47, 7, 44, 221, 847, 24086, 0, 10, 139, 1643, 19198, 0, 5, 75, 408, 2488, 29088, 0, 6, 21, 187, 4041, 3305, 35822, 0, 7, 24, 574, 12969, 60243, 0, 6, 13, 34, 34, 1, 50, 3204, 11098, 0, 9, 108, 1803, 12377, 0, 5, 33, 687, 20357, 0, 5, 5, 1, 17, 301, 207, 2338, 109, 2527, 61523, 0, 11, 175, 1614, 1441, 7526, 19609, 0, 7, 43, 311, 679, 28707, 0, 6, 43, 6, 2, 111, 213, 4572, 55006, 0, 9, 43, 9, 2, 9, 2, 2, 1, 38, 2277, 79275, 0, 12, 117, 4929, 5019, 0, 5, 49, 1295, 15916, 0, 5, 5, 1, 17, 55, 1351, 17437, 0, 8, 122, 611, 952, 3247, 0, 6, 43, 36, 386, 2026, 5965, 1166, 11773, 51311, 17573, 0, 11, 69, 1886, 30076, 0, 5, 29, 273, 340, 179, 6362, 56126, 0, 8, 30, 698, 5032, 5255, 4960, 6114, 0, 8, 8, 1, 46, 888, 9971, 0, 7, 90, 259, 2490, 7252, 21621, 32317, 0, 8, 14, 241, 4440, 3239, 82999, 0, 7, 15, 394, 236, 1798, 3337, 0, 7, 7, 1, 29, 47, 184, 1311, 5665, 0, 9, 102, 2086, 27211, 24497, 0, 6, 76, 975, 11063, 0, 5, 65, 339, 5849, 34886, 0, 6, 11, 77, 2606, 43275, 0, 6, 6, 1, 32, 693, 10933, 0, 7, 38, 129, 787, 6505, 34385, 0, 7, 7, 1, 14, 62, 1025, 11872, 60109, 0, 9, 46, 82, 589, 1617, 71860, 0, 7, 15, 69, 113, 899, 18311, 50283, 0, 8, 84, 1075, 911, 8274, 0, 6, 43, 137, 1202, 27775, 0, 6, 6, 1, 36, 144, 1079, 7564, 48741, 0, 9, 36, 7, 31, 463, 9757, 0, 7, 5, 79, 890, 2191, 61154, 0, 7, 7, 1, 23, 1339, 36976, 0, 7, 6, 30, 150, 1159, 21914, 0, 7, 7, 1, 14, 73, 1219, 1667, 6041, 0, 9, 37, 799, 8157, 61308, 0, 6, 21, 296, 12147, 0, 5, 40, 426, 4245, 85146, 0, 6, 11, 119, 774, 33977, 54409, 0, 7, 32, 118, 4183, 0, 5, 18, 426, 18, 2, 252, 5258, 7119, 0, 9, 38, 127, 811, 6757, 0, 6, 27, 415, 6582, 81695, 0, 6, 6, 1, 59, 1863, 11191, 87290, 0, 8, 116, 2816, 82929, 0, 5, 34, 338, 2777, 9575, 37894, 0, 7, 46, 143, 1187, 3775, 0, 6, 25, 480, 8810, 0, 5, 18, 50, 355, 7073, 0, 6, 11, 70, 1296, 7567, 76651, 0, 7, 24, 377, 2045, 3888, 0, 6, 13, 377, 6, 3, 738, 21907, 0, 8, 50, 26, 718, 865, 34411, 0, 7, 21, 109, 368, 447, 20033, 0, 7, 7, 1, 72, 461, 7704, 78754, 0, 8, 22, 564, 2920, 8118, 0, 6, 33, 399, 2264, 15120, 0, 6, 6, 1, 20, 461, 20, 2, 115, 2293, 33999, 0, 11, 65, 261, 5089, 58520, 0, 6, 16, 634, 2683, 64214, 0, 6, 6, 1, 23, 188, 2321, 88289, 0, 8, 43, 225, 2178, 4113, 102164, 0, 7, 57, 1495, 45238, 27452, 0, 6, 20, 40, 176, 774, 170, 5627, 74398, 0, 9, 157, 1223, 2163, 21844, 0, 6, 15, 267, 1786, 10776, 15261, 0, 7, 28, 658, 2666, 50674, 0, 6, 13, 114, 1058, 78751, 0, 6, 6, 1, 55, 422, 720, 1193, 1859, 13168, 0, 10, 531, 4535, 0, 4, 909, 20232, 31303, 0, 5, 158, 4931, 18194, 0, 5, 5, 1, 24, 152, 4768, 0, 7, 43, 78, 1144, 22550, 0, 6, 36, 294, 8143, 1981, 17258, 31648, 0, 8, 92, 895, 13248, 0, 5, 25, 194, 10839, 78380, 0, 6, 19, 705, 1607, 83559, 0, 6, 6, 1, 38, 246, 7865, 0, 7, 38, 5, 21, 176, 104, 945, 5234, 0, 9, 103, 961, 18503, 0, 5, 12, 517, 4643, 77970, 0, 6, 26, 200, 10437, 37673, 0, 6, 6, 1, 33, 181, 2690, 17729, 0, 8, 58, 681, 5599, 32944, 38089, 0, 7, 41, 1020, 4817, 18944, 0, 6, 20, 150, 351, 1675, 74842, 0, 7, 13, 129, 432, 8854, 44156, 0, 7, 7, 1, 35, 1367, 7233, 0, 7, 6, 22, 228, 5237, 64034, 0, 7, 7, 1, 14, 373, 2437, 68334, 0, 8, 49, 580, 2815, 8157, 373, 9, 80, 760, 41874, 0, 11, 230, 15366, 0, 4, 153, 3077, 0, 4, 4, 1, 27, 349, 4311, 5523, 0, 8, 27, 6, 43, 150, 65, 250, 3099, 47081, 0, 10, 179, 579, 6217, 1420, 3062, 0, 7, 51, 885, 3810, 55273, 0, 6, 21, 131, 3244, 32305, 41459, 32293, 0, 8, 31, 465, 9663, 25829, 0, 6, 14, 70, 349, 44, 746, 19961, 0, 8, 14, 8, 2, 299, 4695, 5484, 52181, 0, 9, 75, 749, 28734, 0, 5, 155, 3332, 7945, 11366, 0, 6, 28, 256, 4183, 440, 13501, 0, 7, 55, 249, 1925, 14085, 0, 6, 13, 134, 7218, 0, 5, 24, 236, 616, 1460, 3345, 6441, 78145, 0, 9, 38, 202, 6450, 30038, 0, 6, 20, 161, 12984, 0, 5, 20, 5, 2, 58, 182, 6142, 0, 8, 64, 2337, 90242, 0, 5, 11, 133, 1214, 12695, 0, 6, 24, 39, 2473, 15473, 0, 6, 6, 1, 136, 5524, 0, 6, 5, 19, 258, 2570, 7792, 65772, 0, 8, 31, 111, 773, 15164, 36571, 0, 7, 77, 649, 24780, 0, 5, 19, 19, 1, 27, 157, 362, 5984, 0, 9, 71, 1919, 0, 4, 174, 4862, 0, 4, 4, 1, 16, 413, 4688, 38962, 0, 8, 37, 578, 5527, 8316, 71662, 0, 7, 37, 7, 2, 83, 2075, 26359, 41465, 0, 9, 32, 570, 18267, 82791, 0, 6, 67, 1048, 51605, 0, 5, 52, 1205, 8847, 1383, 16989, 65587, 0, 8, 35, 261, 460, 15390, 18487, 39326, 0, 8, 8, 1, 51, 207, 878, 4830, 0, 8, 7, 43, 229, 4060, 10370, 33750, 0, 8, 8, 1, 16, 67, 40, 454, 5052, 40737, 0, 10, 238, 8055, 0, 4, 80, 273, 824, 15189, 0, 6, 57, 477, 2355, 54459, 0, 6, 6, 1, 26, 356, 7759, 40689, 0, 8, 33, 354, 10238, 59358, 0, 6, 13, 200, 368, 562, 18995, 0, 7, 54, 1734, 14673, 0, 5, 84, 747, 20401, 37418, 53760, 0, 7, 12, 393, 5617, 0, 5, 12, 5, 2, 116, 646, 6323, 0, 8, 38, 218, 3591, 0, 5, 11, 199, 3993, 28890, 0, 6, 43, 90, 871, 4786, 23193, 0, 7, 31, 186, 1577, 3019, 5717, 28341, 0, 8, 26, 70, 299, 290, 1643, 1039, 21975, 0, 9, 150, 342, 6242, 0, 5, 35, 136, 221, 1057, 16391, 0, 7, 29, 882, 6530, 0, 5, 12, 60, 1085, 12533, 0, 6, 47, 892, 2762, 28629, 0, 6, 6, 1, 110, 1289, 29341, 0, 7, 24, 259, 930, 5903, 0, 6, 12, 25, 517, 484, 4674, 3223, 2084, 37552, 68424, 0, 11, 82, 869, 19707, 0, 5, 41, 472, 10834, 28992, 0, 6, 22, 450, 8038, 36798, 0, 6, 6, 1, 41, 14, 373, 442, 16415, 0, 9, 79, 852, 17706, 0, 5, 26, 93, 1205, 224, 3673, 32081, 0, 8, 101, 4177, 24634, 0, 5, 13, 164, 4617, 0, 5, 5, 1, 32, 254, 9598, 2906, 59647, 0, 9, 32, 7, 77, 309, 1475, 3944, 77158, 0, 9, 1, 18, 785, 11310, 56505, 33129, 0, 9, 8, 38, 165, 7380, 0, 6, 64, 369, 14513, 0, 5, 37, 299, 148, 3815, 18597, 76598, 0, 8, 18, 26, 65, 491, 3867, 19407, 0, 8, 8, 1, 36, 645, 2247, 17679, 0, 8, 7, 52, 304, 1473, 21604, 0, 7, 6, 37, 32, 62, 997, 14422, 10364, 79948, 0, 10, 278, 5279, 0, 4, 278, 4, 2, 228, 573, 1769, 72438, 0, 9, 65, 44, 500, 1613, 6945, 25858, 24834, 0, 9, 9, 1, 47, 182, 444, 4684, 0, 8, 47, 6, 41, 141, 4905, 91891, 0, 8, 7, 16, 326, 6385, 67736, 0, 8, 7, 57, 315, 1804, 83660, 0, 7, 6, 22, 171, 2565, 70630, 0, 7, 7, 1, 22, 8, 18, 97, 4908, 22531, 0, 10, 70, 259, 215, 2098, 23425, 0, 7, 16, 37, 87, 2160, 58830, 0, 7, 7, 1, 24, 231, 2357, 14153, 0, 8, 28, 553, 48757, 0, 5, 138, 2062, 63244, 0, 5, 5, 1, 18, 40, 389, 8241, 0, 8, 18, 6, 58, 532, 1843, 9900, 0, 8, 8, 1, 16, 43, 326, 81, 2489, 18451, 81888, 0, 11, 257, 18954, 0, 4, 127, 1019, 26276, 0, 5, 35, 314, 3498, 11302, 0, 6, 32, 152, 823, 6335, 32804, 22434, 0, 8, 33, 406, 3130, 13288, 0, 6, 14, 266, 22473, 82404, 0, 6, 6, 1, 46, 1021, 24052, 0, 7, 86, 2980, 0, 4, 42, 1626, 3452, 58867, 0, 6, 16, 61, 1858, 33141, 16583, 0, 7, 17, 1314, 1528, 51959, 12484, 0, 7, 7, 1, 31, 395, 5510, 72245, 6229, 0, 9, 181, 811, 1090, 3230, 33181, 0, 7, 15, 935, 36250, 0, 5, 78, 889, 19213, 82923, 0, 6, 41, 190, 2046, 9516, 17944, 0,

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2 7, 18, 119, 1137, 21432, 0, 6, 13, 319, 4312, 10634, 0, 6, 6, 1, 46, 77, 312, 6436, 75472, 0, 9, 46, 7, 23, 1010, 63639, 0, 7, 5, 42, 83, 596, 2385, 32745, 0, 8, 113, 1254, 16418, 0, 5, 12, 409, 1559, 44967, 0, 6, 34, 1138, 6533, 0, 5, 11, 153, 820, 3672, 92512, 0, 7, 31, 91, 2617, 36293, 0, 6, 18, 65, 282, 1800, 27049, 0, 7, 13, 66, 1770, 16406, 0, 6, 13, 6, 2, 303, 4235, 59159, 0, 8, 50, 1132, 9651, 97843, 0, 6, 12, 51, 624, 6834, 27256, 0, 7, 27, 697, 16919, 0, 5, 52, 349, 821, 21575, 2901, 24198, 3894, 7665, 0, 10, 273, 616, 785, 403, 4444, 0, 7, 22, 288, 9503, 16871, 6687, 25965, 0, 8, 43, 237, 6198, 0, 5, 30, 1303, 8840, 0, 5, 5, 1, 127, 237, 12, 51, 51, 1, 6, 56, 2944, 60864, 0, 14, 223, 9632, 0, 4, 211, 2387, 0, 4, 4, 1, 16, 211, 7, 45, 1914, 43811, 0, 10, 57, 353, 1682, 18222, 0, 6, 29, 575, 4746, 12892, 13902, 75113, 0, 8, 56, 37, 337, 2755, 86597, 0, 7, 26, 453, 13884, 0, 5, 57, 26, 6, 23, 177, 1962, 74336, 0, 9, 185, 4623, 0, 4, 48, 1952, 38610, 0, 5, 18, 150, 626, 5010, 77388, 26737, 0, 8, 38, 503, 9328, 0, 5, 13, 150, 13, 2, 151, 3685, 13190, 80203, 0, 10, 67, 752, 8532, 10475, 39211, 0, 7, 53, 3297, 66598, 15875, 0, 6, 51, 106, 3401, 50579, 0, 6, 6, 1, 96, 1985, 59197, 0, 7, 19, 864, 1755, 103783, 0, 6, 12, 127, 130, 2549, 21285, 49653, 0, 8, 55, 961, 1134, 16938, 46754, 0, 7, 21, 1017, 9920, 0, 5, 62, 526, 18583, 0, 5, 5, 1, 38, 74, 1959, 40841, 32693, 0, 9, 98, 2401, 25780, 0, 5, 13, 79, 641, 8135, 67869, 0, 7, 31, 257, 417, 1868, 51745, 0, 7, 7, 1, 28, 462, 2652, 7934, 23508, 0, 9, 28, 7, 10, 97, 499, 2501, 79023, 0, 9, 9, 1, 18, 128, 4083, 0, 7, 14, 196, 2893, 98882, 0, 6, 84, 819, 17085, 0, 5, 50, 273, 246, 1230, 6147, 0, 7, 18, 23, 167, 2084, 731, 18229, 63117, 0, 9, 33, 452, 3836, 16885, 0, 6, 27, 282, 315, 564, 1407, 16829, 0, 8, 111, 1001, 23579, 0, 5, 35, 485, 3277, 30215, 0, 6, 19, 136, 805, 8259, 0, 6, 6, 1, 65, 342, 818, 2104, 80619, 0, 9, 40, 539, 11262, 0, 5, 26, 222, 6404, 45498, 0, 6, 19, 26, 7, 63, 2375, 82281, 0, 8, 45, 268, 2616, 38220, 0, 6, 14, 92, 1330, 34460, 0, 6, 6, 1, 40, 33, 74, 152, 535, 3834, 0, 10, 121, 5845, 0, 4, 250, 1210, 22292, 0, 5, 45, 31, 150, 238, 975, 1735, 20658, 0, 9, 59, 1576, 38532, 0, 5, 14, 39, 1112, 12549, 39393, 0, 7, 57, 289, 5545, 79235, 0, 6, 45, 27, 112, 2385, 463, 1684, 11925, 70928, 0, 10, 46, 481, 3923, 87674, 0, 6, 16, 345, 14535, 0, 5, 34, 466, 6900, 0, 5, 5, 1, 72, 1550, 17560, 0, 7, 39, 45, 34, 14, 49, 1311, 1807, 48478, 0, 10, 33, 86, 594, 10614, 0, 6, 33, 6, 2, 312, 528, 11432, 23268, 0, 9, 76, 1817, 12606, 22044, 5720, 72770, 0, 8, 124, 2669, 24090, 0, 5, 44, 778, 5540, 62386, 0, 6, 26, 142, 4182, 67485, 0, 6, 6, 1, 57, 91, 518, 9134, 0, 8, 25, 950, 15167, 0, 5, 25, 5, 2, 47, 790, 9083, 23253, 72942, 0, 10, 63, 169, 5680, 10109, 0, 6, 28, 272, 8974, 28400, 0, 6, 6, 1, 35, 218, 1057, 1016, 9291, 33209, 0, 10, 22, 499, 285, 8854, 1431, 53809, 0, 8, 45, 102, 1902, 85287, 0, 6, 23, 267, 1587, 27149, 0, 6, 6, 1, 30, 508, 17267, 0, 7, 122, 1996, 11555, 72619, 0, 6, 12, 383, 3764, 40490, 0, 6, 6, 1, 19, 235, 3344, 24630, 0, 8, 39, 142, 98, 365, 4692, 56271, 0, 8, 8, 1, 16, 169, 79, 369, 954, 32108, 0, 10, 65, 277, 5123, 8285, 0, 6, 31, 225, 1672, 7018, 33888, 0, 7, 51, 447, 1735, 230, 1472, 9975, 14683, 0, 9, 157, 1304, 3798, 17177, 0, 6, 22, 93, 1039, 1129, 29899, 9982, 62945, 0, 9, 15, 740, 8938, 0, 5, 137, 1932, 45293, 0, 5, 5, 1, 57, 157, 28, 132, 3781, 3083, 12533, 1130, 79547, 0, 13, 435, 4097, 8149, 0, 5, 17, 791, 10210, 3771, 67161, 0, 7, 59, 283, 5528, 92709, 0, 6, 50, 404, 17222, 0, 5, 18, 402, 9488, 0, 5, 5, 1, 41, 782, 4133, 69971, 0, 8, 105, 4442, 4964, 8195, 6856, 0, 7, 31, 97, 454, 1302, 39074, 0, 7, 7, 1, 22, 84, 444, 1002, 19148, 0, 9, 82, 1161, 4252, 55414, 0, 6, 47, 219, 8054, 20576, 24126, 0, 7, 21, 532, 934, 47790, 0, 6, 13, 79, 145, 4778, 0, 6, 6, 1, 34, 304, 1076, 11833, 50735, 0, 9, 34, 7, 23, 206, 5060, 38847, 0, 8, 65, 161, 1503, 5498, 0, 6, 22, 55, 575, 676, 6195, 75189, 0, 8, 14, 332, 10473, 0, 5, 91, 287, 7471, 70848, 0, 6, 19, 210, 8093, 29606, 0, 6, 6, 1, 48, 669, 5828, 37296, 0, 8, 25, 297, 11708, 0, 5, 25, 5, 2, 302, 12690, 5454, 0, 8, 13, 75, 1600, 7136, 47905, 19583, 63491, 0, 9, 69, 2126, 3869, 96363, 0, 6, 35, 301, 2323, 105699, 0, 6, 6, 1, 42, 892, 1308, 89913, 0, 8, 29, 750, 8712, 89647, 0, 6, 13, 35, 21, 118, 2065, 8198, 44071, 0, 9, 35, 8, 17, 194, 1828, 23107, 0, 8, 6, 18, 183, 9437, 0, 6, 5, 65, 111, 569, 5689, 2786, 73814, 0, 9, 23, 125, 4510, 57493, 0, 6, 15, 249, 1654, 101702, 0, 6, 6, 1, 58, 1096, 3561, 50482, 0, 8, 35, 43, 857, 3537, 5744, 60358, 0, 8, 8, 1, 16, 318, 8286, 0, 7, 160, 2476, 24294, 75154, 0, 6, 28, 270, 6913, 0, 5, 54, 1481, 7923, 12462, 66657, 0, 7, 18, 67, 781, 11573, 32822, 0, 7, 7, 1, 32, 1112, 547, 4080, 94225, 0, 9, 69, 127, 764, 19093, 28346, 0, 7, 15, 70, 1201, 3939, 35447, 0, 7, 7, 1, 23, 85, 3665, 61123, 0, 8, 62, 766, 11293, 0, 5, 50, 298, 3411, 45851, 0, 6, 61, 1114, 5910, 26791, 0, 6, 6, 1, 25, 185, 870, 5168, 7668, 101658, 0, 10, 398, 13407, 87365, 0, 5, 27, 595, 3515, 38083, 0, 6, 20, 1746, 20609, 0, 5, 11, 1047, 37830, 0, 5, 5, 1, 31, 318, 111, 150, 642, 2692, 95068, 0, 11, 15, 74, 666, 15790, 10245, 7468, 70353, 0, 9, 90, 1557, 3127, 15174, 0, 6, 36, 1382, 7104, 33073, 0, 6, 6, 1, 32, 111, 31, 34, 303, 1061, 75526, 0, 11, 32, 9, 25, 74, 34, 10, 70, 111, 15, 40, 708, 3957, 92564, 0, 15, 6, 26, 594, 627, 19998, 0, 7, 120, 2864, 6653, 0, 5, 69, 140, 11263, 29890, 0, 6, 17, 236, 1852, 43606, 0, 6, 6, 1, 50, 127, 154, 7242, 0, 8, 138, 1326, 20922, 0, 5, 25, 50, 12, 548, 11561, 0, 7, 37, 1020, 2030, 22308, 0, 6, 25, 13, 280, 3057, 60411, 0, 7, 13, 6, 9, 73, 2382, 35904, 0, 8, 33, 686, 18931, 0, 5, 33, 5, 2, 342, 826, 11447, 0, 8, 13, 21, 306, 18060, 54448, 0, 7, 28, 241, 2543, 44860, 0, 6, 32, 106, 1002, 455, 4039, 45595, 0, 8, 21, 20, 168, 9205, 81529, 0, 7, 21, 7, 2, 36, 141, 1468, 25476, 0, 9, 55, 424, 21673, 0, 5, 48, 403, 1166, 2622, 11866, 36585, 0, 8, 29, 363, 3827, 16427, 0, 6, 43, 310, 4481, 102247, 0, 6, 6, 1, 116, 1754, 59317, 0, 7, 39, 642, 200, 1787, 28733, 23888, 0, 8, 27, 229, 1841, 49623, 0, 6, 20, 61, 257, 1008, 7803, 0, 7, 21, 62, 275, 3036, 67651, 0, 7, 7, 1, 35, 354, 1822, 42529, 0, 8, 28, 98, 677, 12923, 5585, 14171, 24930, 0, 9, 77, 1339, 2529, 35659, 54961, 0, 7, 23, 311, 2755, 1175, 7485, 78113, 0, 8, 24, 1512, 26588, 39744, 0, 6, 52, 1271, 24539, 0, 5, 98, 34, 230, 681, 2213, 0, 7, 26, 224, 1711, 43611, 0, 6, 18, 375, 6604, 52962, 0, 6, 6, 1, 62, 70, 249, 431, 4058, 73563, 0, 10, 256, 2098, 1566, 15949, 0, 6, 15, 254, 1721, 33470, 0, 6, 6, 1, 22, 571, 11474, 67692, 0, 8, 60, 1821, 6647, 0, 5, 54, 423, 3823, 94154, 0, 6, 18, 47, 631, 7523, 0, 6, 6, 1, 25, 236, 268, 1015, 55812, 0, 9, 101, 1773, 20187, 0, 5, 26, 73, 239, 4202, 18029, 0, 7, 80, 1970, 17427, 0, 5, 12, 271, 4584, 17142, 0, 6, 31, 338, 2569, 46178, 0, 6, 6, 1, 38, 1189, 9130, 23541, 0, 8, 63, 894, 40214, 0, 5, 25, 49, 969, 5048, 31963, 18327, 27552, 0, 9, 51, 808, 29985, 42439, 0, 6, 27, 195, 4280, 6530, 1911, 5628, 21107, 0, 9, 15, 106, 268, 73, 63, 33, 294, 2423, 12073, 0, 11, 385, 12401, 82497, 0, 5, 40, 381, 4531, 25534, 0, 6, 31, 65, 587, 26543, 0, 6, 6, 1, 65, 7, 86, 1017, 1268, 23483, 7571, 6975, 0, 12, 88, 3924, 13475, 12007, 0, 6, 17, 387, 30737, 0, 5, 35, 233, 5720, 1020, 368, 2051, 4312, 1570, 9019, 0, 11, 51, 77, 230, 203, 3469, 60912, 0, 8, 99, 3876, 14224, 0, 5, 24, 227, 7710, 70101, 0, 6, 35, 30, 961, 1325, 79202, 0, 7, 56, 1424, 27245, 0, 5, 18, 174, 2203, 32691, 0, 6, 18, 6, 2, 352, 11373, 0, 7, 18, 7, 2, 7, 2, 2, 1, 83, 1604, 9128, 48384, 0, 13, 399, 2657, 15505, 0, 5, 31, 102, 1017, 93, 934, 830, 14487, 0, 9, 133, 2292, 9491, 95736, 0, 6, 38, 174, 46, 1160, 70423, 0, 7, 36, 396, 3446, 81819, 0, 6, 13, 34, 293, 6615, 54087, 0, 7, 13, 7, 2, 50, 483, 7015, 0, 8, 97, 899, 2906, 1993, 28069, 69150, 0, 8, 8, 1, 64, 1973, 12759, 0, 7, 21, 373, 2040, 108985, 0, 6, 36, 42, 789, 5787, 85013, 0, 7, 13, 36, 8, 22, 296, 2867, 32057, 0, 9, 71, 2317, 90588, 0, 5, 85, 679, 3123, 73334, 0, 6, 27, 224, 349, 1633, 8248, 0, 7, 27, 7, 2, 63, 221, 2150, 4417, 13176, 8391, 20328, 62366, 0, 13, 39, 447, 1058, 2696, 61167, 0, 7, 18, 136, 1363, 37511, 0, 6, 33, 243, 5983, 0, 5, 44, 1211, 30821, 0, 5, 5, 1, 83, 147, 4486, 0, 7, 23, 425, 4643, 2637, 85687, 0, 7, 7, 1, 14, 935, 1813, 42176, 0, 8, 82, 997, 2037, 10484, 19007, 0, 7, 14, 13, 54, 376, 3790, 89389, 0, 8, 15, 295, 7539, 0, 5, 41, 1046, 20904, 0, 5, 5, 1, 33, 59, 1072, 6070, 10016, 53163, 0, 10, 427, 6146, 32453, 0, 5, 14, 33, 14, 2, 99, 254, 430, 4724, 8936, 64618, 0, 12, 292, 11084, 42625, 0, 5, 17, 291, 5096, 0, 5, 5, 1, 37, 659, 5333, 42028, 43294, 0, 9, 147, 90, 749, 2574, 37848, 0, 7, 71, 154, 690, 23678, 0, 6, 116, 581, 39002, 0, 5, 26, 430, 44, 118, 957, 23029, 82390, 0, 9, 27, 156, 8268, 0, 5, 14, 61, 581, 20, 584, 5788, 32620, 45300, 0, 10, 78, 1927, 27508, 0, 5, 15, 103, 2776, 46927, 0, 6, 40, 388, 4525, 0, 5, 11, 348, 5579, 77675, 0, 6, 11, 6, 2, 94, 6317, 0, 7, 64, 245, 5548, 0, 5, 18, 185, 873, 13106, 59527, 0, 7, 12, 103, 36, 240, 5555, 0, 7, 7, 1, 99, 119, 1964, 4572, 3350, 73133, 0, 10, 58, 993, 4393, 17828, 0, 6, 40, 53, 1734, 2449, 17117, 0, 7, 22, 266, 2056, 52470, 0, 6, 13, 182, 2196, 16295, 0, 6, 6, 1, 35, 397, 5402, 73472, 0, 8, 189, 3881, 10852, 7851, 0, 6, 13, 20, 105, 1232, 19302, 0, 7, 33, 176, 2881, 48081, 0, 6, 13, 13, 1, 28, 682, 6233, 90781, 0, 9, 134, 2709, 7637, 58449, 0, 6, 15, 120, 871, 2473, 2673, 22783, 44747, 0, 9, 15, 9, 2, 112, 1557, 927, 4744, 11256, 61622, 18355, 0, 12, 104, 2921, 64294, 0, 5, 117, 3432, 29825, 0, 5, 5, 1, 45, 1444, 9595, 23099, 0, 8, 73, 554, 12215, 16759, 0, 6, 45, 12, 26, 196, 1738, 39312, 0, 8, 14, 188, 3079, 25007, 0, 6, 14, 6, 2, 50, 418, 6348, 15895, 0, 9, 57, 1373, 24888, 0, 5, 41, 291, 254, 268, 592, 10243, 0, 8, 28, 93, 473, 4935, 0, 6, 26, 40, 149, 3750, 61387, 0, 7, 115, 3139, 82216, 0, 5, 26, 12, 54, 330, 10664, 0, 7, 12, 6, 21, 444, 1349, 4145, 48134, 53487, 0, 10, 183, 1203, 17081, 55136, 0, 6, 14, 63, 416, 18393, 0, 6, 6, 1, 97, 481, 1667, 3329, 107761, 0, 9, 69, 1002, 922, 31536, 0, 6, 14, 21, 36, 227, 588, 7511, 0, 8, 70, 788, 12130, 0, 5, 57, 88, 635, 11442, 25424, 0, 7, 57, 7, 2, 104, 145, 1381, 23939, 0, 9, 35, 212, 5699, 86684, 0, 6, 35, 6, 2, 15, 172, 7333, 45335, 49038, 0, 10, 72, 1707, 13542, 0, 6, 19, 1367, 3040, 29267, 0, 6, 6, 1, 77, 662, 8883, 0, 7, 47, 810, 14498, 20816, 86371, 0, 7, 7, 1, 14, 78, 347, 22919, 0, 8, 76, 1716, 6924, 0, 5, 39, 515, 4307, 69255, 0, 6, 32, 1024, 4250, 32264, 0, 6, 6, 1, 25, 788, 95, 3881, 282, 1907, 52916, 0, 11, 357, 9184, 0, 4, 1838, 14992, 91027, 0, 5, 32, 26, 166, 7262, 0, 6, 25, 24, 714, 3780, 18240, 0, 7, 57, 114, 3256, 0, 5, 18, 373, 618, 5279, 2552, 49176, 0, 8, 63, 167, 1962,

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2 2129, 27224, 0, 7, 20, 324, 7079, 0, 5, 20, 5, 2, 124, 1786, 3296, 82273, 0, 9, 139, 3805, 0, 4, 56, 745, 4115, 26317, 14738, 67089, 0, 8, 33, 344, 21800, 0, 5, 24, 57, 52, 994, 18047, 23872, 52735, 0, 9, 26, 72, 150, 1269, 18495, 27142, 0, 8, 22, 399, 745, 31, 742, 18123, 10444, 10763, 20903, 77001, 0, 12, 250, 1936, 105269, 0, 5, 34, 727, 21455, 0, 5, 5, 1, 123, 4293, 38056, 0, 7, 77, 167, 84, 1617, 3640, 25296, 0, 8, 37, 189, 417, 2105, 24703, 0, 7, 15, 208, 6936, 47449, 0, 6, 125, 1468, 1162, 6753, 35070, 0, 7, 13, 416, 279, 6535, 0, 6, 13, 6, 2, 106, 928, 25197, 0, 8, 34, 54, 316, 9068, 0, 6, 12, 66, 2389, 12847, 0, 6, 6, 1, 61, 564, 2086, 3743, 4069, 27100, 0, 10, 250, 81, 2584, 44874, 0, 6, 15, 55, 1207, 34535, 0, 6, 6, 1, 22, 107, 7178, 0, 7, 55, 12, 36, 314, 2589, 50972, 0, 8, 49, 1006, 13075, 82218, 0, 6, 20, 169, 1833, 21195, 0, 6, 6, 1, 27, 619, 22946, 45391, 0, 8, 20, 14, 265, 7067, 101756, 0, 7, 35, 314, 33, 171, 2708, 0, 7, 1, 22, 49, 37, 121, 2087, 32114, 0, 10, 71, 669, 1669, 57280, 0, 6, 37, 12, 58, 584, 649, 3163, 44293, 0, 9, 187, 4006, 57485, 0, 5, 161, 1721, 1152, 5787, 859, 19086, 0, 8, 52, 207, 3107, 25345, 52857, 0, 7, 44, 691, 5830, 0, 5, 20, 64, 646, 3039, 6251, 12095, 0, 8, 20, 8, 2, 149, 471, 16560, 0, 8, 6, 51, 1022, 4411, 95422, 0, 7, 28, 491, 2871, 13529, 0, 6, 12, 62, 1217, 17476, 0, 6, 6, 1, 85, 895, 3514, 30496, 0, 8, 27, 113, 2596, 21444, 0, 8, 24, 82, 1045, 15048, 0, 6, 19, 106, 402, 2084, 2485, 14367, 13800, 63038, 0, 10, 313, 7462, 0, 4, 511, 32, 563, 32737, 0, 6, 20, 226, 5858, 78889, 0, 6, 6, 1, 64, 290, 3296, 535, 2430, 4458, 52051, 0, 11, 50, 787, 4130, 60870, 0, 6, 16, 183, 740, 2173, 91823, 0, 7, 108, 128, 175, 4304, 75362, 0, 7, 7, 1, 31, 523, 6542, 11096, 0, 8, 71, 368, 1341, 35782, 68788, 0, 7, 14, 138, 1730, 77029, 0, 6, 35, 398, 265, 405, 11252, 20996, 0, 8, 21, 122, 2291, 20854, 0, 6, 14, 20, 73, 166, 641, 2636, 36557, 0, 9, 151, 2720, 7357, 57824, 0, 6, 15, 475, 7993, 90730, 0, 6, 6, 1, 56, 612, 6229, 2996, 0, 8, 35, 43, 152, 2523, 6273, 17788, 0, 8, 8, 1, 16, 88, 787, 95, 698, 4304, 83, 1207, 504, 17087, 87400, 0, 15, 36, 497, 4941, 0, 5, 163, 5670, 0, 4, 139, 654, 6019, 0, 5, 9, 58, 454, 2221, 46250, 0, 7, 93, 895, 391, 15112, 0, 6, 57, 654, 18, 192, 5414, 41760, 0, 8, 49, 384, 9743, 0, 5, 26, 365, 2366, 26622, 22737, 0, 7, 26, 7, 2, 318, 1938, 8110, 9313, 0, 9, 41, 939, 17900, 0, 5, 21, 119, 1092, 21027, 0, 6, 40, 338, 1584, 329, 9925, 16192, 0, 8, 40, 8, 2, 28, 462, 2748, 18140, 0, 9, 28, 6, 19, 230, 1497, 39749, 0, 8, 15, 93, 72, 712, 26874, 0, 7, 50, 206, 2254, 8371, 0, 6, 19, 19, 1, 121, 560, 9771, 63485, 0, 9, 30, 1506, 7436, 0, 5, 58, 104, 307, 4774, 0, 6, 20, 176, 1102, 19472, 0, 6, 6, 1, 25, 439, 18833, 0, 7, 39, 383, 2480, 76210, 0, 6, 12, 522, 5323, 39176, 0, 6, 6, 1, 19, 46, 370, 5735, 101394, 0, 9, 45, 1070, 14649, 17066, 0, 6, 14, 217, 4835, 8389, 46585, 0, 7, 34, 712, 78, 908, 5306, 98955, 0, 8, 88, 192, 151, 225, 2486, 84616, 0, 8, 8, 1, 38, 1525, 364, 13304, 0, 8, 7, 25, 64, 314, 662, 948, 5399, 0, 9, 46, 52, 625, 32785, 0, 6, 46, 6, 2, 136, 1445, 22052, 84689, 0, 9, 15, 128, 314, 23, 1432, 5676, 0, 8, 32, 357, 930, 3597, 24798, 0, 7, 38, 45, 77, 819, 2878, 25211, 0, 8, 15, 23, 21, 184, 4519, 82431, 0, 8, 8, 1, 63, 919, 9986, 0, 7, 23, 14, 94, 1316, 8417, 48877, 0, 8, 14, 7, 10, 403, 1981, 4159, 36825, 0, 9, 55, 774, 4236, 49662, 0, 6, 68, 7058, 0, 4, 276, 5756, 37216, 0, 5, 171, 751, 10256, 0, 5, 5, 1, 44, 709, 5706, 0, 7, 34, 130, 3026, 34892, 0, 6, 27, 672, 28975, 0, 5, 17, 1450, 71366, 0, 5, 5, 1, 23, 62, 698, 331, 6375, 16483, 0, 10, 59, 1494, 13440, 0, 5, 14, 67, 2310, 9543, 0, 6, 31, 424, 2057, 76512, 0, 6, 6, 1, 27, 39, 210, 2472, 4938, 100608, 0, 10, 27, 8, 91, 655, 14936, 67579, 0, 8, 6, 18, 335, 10279, 27643, 0, 7, 68, 89, 714, 1056, 16285, 40715, 0, 8, 15, 135, 9918, 28911, 0, 6, 20, 259, 3538, 16737, 0, 6, 6, 1, 45, 156, 1488, 26860, 0, 8, 20, 14, 66, 933, 6214, 14952, 46371, 0, 9, 132, 2665, 19589, 0, 5, 79, 2583, 0, 4, 131, 4142, 0, 4, 4, 1, 30, 308, 15886, 0, 7, 57, 400, 5354, 26905, 0, 6, 42, 1718, 53272, 0, 5, 26, 391, 416, 993, 1463, 37765, 31405, 0, 9, 40, 372, 7395, 9074, 53448, 0, 7, 27, 99, 1486, 26073, 0, 6, 27, 6, 2, 249, 2055, 25910, 0, 8, 70, 1273, 25128, 62592, 0, 6, 12, 330, 1329, 21099, 34366, 0, 7, 27, 21, 237, 3336, 23042, 0, 7, 7, 1, 68, 120, 1446, 8209, 13983, 0, 9, 50, 398, 563, 627, 2330, 10636, 0, 8, 37, 946, 30706, 0, 5, 72, 416, 71, 591, 789, 1798, 4796, 22800, 0, 10, 165, 3794, 6928, 69197, 0, 6, 52, 320, 25838, 0, 5, 21, 49, 497, 532, 2711, 7071, 75436, 0, 9, 43, 562, 4010, 5187, 5130, 63245, 0, 8, 43, 8, 2, 88, 371, 719, 17296, 0, 9, 17, 244, 10580, 31204, 0, 6, 37, 58, 445, 847, 5020, 15462, 0, 8, 21, 40, 125, 1134, 3289, 93377, 0, 8, 8, 1, 91, 224, 1840, 47790, 2759, 20726, 0, 10, 69, 1408, 45908, 0, 5, 63, 341, 6362, 4914, 17703, 37821, 0, 8, 22, 803, 6262, 93331, 0, 6, 45, 216, 5644, 0, 5, 19, 461, 4618, 38049, 0, 6, 11, 727, 1213, 15383, 0, 6, 6, 1, 46, 416, 117, 1559, 3582, 68489, 0, 10, 46, 8, 35, 660, 14894, 0, 7, 153, 3584, 86785, 0, 5, 34, 345, 3134, 5695, 18055, 0, 7, 12, 180, 6547, 0, 5, 12, 5, 2, 111, 2503, 21132, 0, 8, 30, 245, 1719, 34565, 0, 6, 47, 990, 33372, 0, 5, 17, 121, 571, 2251, 19258, 0, 7, 31, 346, 10748, 0, 5, 12, 31, 6, 20, 295, 1872, 17171, 0, 9, 142, 3026, 396, 932, 9345, 99882, 0, 8, 40, 135, 329, 639, 7112, 25374, 0, 8, 8, 1, 90, 1839, 83018, 0, 7, 37, 159, 1033, 27600, 0, 6, 35, 91, 148, 3993, 4164, 25156, 0, 8, 20, 43, 189, 1311, 3204, 5161, 75397, 0, 9, 46, 110, 4120, 21851, 22912, 0, 7, 30, 85, 1123, 19970, 0, 6, 30, 6, 2, 99, 306, 2515, 10517, 10431, 0, 10, 133, 2109, 6411, 23335, 0, 6, 14, 375, 2376, 7959, 44760, 0, 7, 29, 1037, 46982, 0, 5, 96, 3522, 46589, 0, 5, 5, 1, 76, 962, 25270, 0, 7, 17, 120, 308, 377, 4849, 22369, 0, 8, 70, 338, 739, 32797, 0, 6, 38, 577, 20356, 0, 5, 25, 620, 15022, 60551, 0, 6, 11, 204, 6890, 60928, 0, 6, 6, 1, 38, 19, 219, 3017, 0, 8, 31, 146, 11949, 0, 5, 25, 25, 1, 14, 71, 334, 6846, 0, 9, 106, 994, 1477, 51155, 9898, 0, 7, 60, 2424, 53784, 0, 5, 21, 292, 2006, 27350, 0, 6, 39, 521, 17588, 0, 5, 11, 51, 1063, 5786, 70013, 0, 7, 23, 561, 5884, 53428, 0, 6, 18, 523, 972, 10284, 18112, 0, 7, 13, 1252, 10589, 0, 5, 25, 56, 929, 7438, 69283, 0, 7, 12, 216, 298, 2841, 36743, 0, 7, 7, 1, 70, 109, 4949, 0, 7, 6, 34, 274, 20165, 44794, 0, 7, 7, 1, 14, 84, 1510, 60552, 0, 8, 98, 1129, 3215, 15353, 0, 6, 20, 205, 5472, 16818, 0, 6, 6, 1, 20, 8, 16, 964, 13299, 29158, 0, 10, 189, 219, 125, 386, 5296, 0, 7, 36, 964, 13, 72, 457, 15653, 0, 8, 21, 109, 57, 547, 2941, 58860, 0, 8, 8, 1, 33, 1444, 1905, 21469, 0, 8, 7, 25, 90, 273, 3626, 22232, 0, 8, 8, 1, 16, 47, 326, 4102, 77656, 0, 9, 154, 2120, 25893, 15678, 0, 6, 63, 417, 1584, 944, 31690, 0, 7, 29, 237, 536, 5636, 70815, 0, 7, 7, 1, 29, 9, 24, 1179, 23001, 0, 9, 5, 136, 821, 3925, 33801, 0, 7, 15, 663, 6299, 0, 5, 11, 172, 1821, 2613, 14715, 32501, 0, 8, 57, 80, 2583, 643, 7895, 0, 7, 20, 112, 2006, 198, 13990, 0, 7, 1, 43, 333, 7538, 38595, 0, 8, 22, 474, 7303, 74060, 0, 6, 71, 236, 2629, 91089, 0, 6, 6, 1, 20, 29, 64, 894, 2595, 42736, 0, 10, 141, 2821, 15903, 0, 5, 57, 49, 572, 5645, 57578, 0, 7, 41, 1054, 8164, 0, 5, 12, 209, 9122, 0, 5, 5, 1, 32, 894, 30, 366, 5823, 0, 9, 95, 1139, 42666, 0, 5, 13, 168, 2867, 2410, 49995, 0, 7, 31, 304, 3305, 5579, 2207, 50036, 0, 8, 73, 1199, 30938, 0, 5, 20, 64, 63, 145, 1946, 104727, 0, 8, 13, 28, 1079, 5355, 13307, 47153, 0, 8, 8, 1, 50, 675, 19526, 0, 7, 36, 213, 5557, 13742, 0, 6, 94, 923, 72490, 0, 5, 34, 267, 3549, 18589, 0, 6, 11, 148, 465, 4914, 600, 23474, 41967, 0, 9, 74, 1464, 9689, 20753, 0, 6, 15, 168, 75, 3307, 61301, 0, 7, 39, 347, 1950, 0, 5, 33, 239, 2755, 2855, 44191, 53416, 0, 8, 58, 665, 43127, 30661, 0, 6, 26, 797, 35352, 0, 5, 19, 408, 5685, 25022, 0, 6, 11, 52, 721, 10982, 0, 6, 6, 1, 82, 1403, 11086, 62614, 0, 8, 31, 119, 1199, 112, 201, 6224, 87284, 0, 9, 66, 869, 4621, 59111, 0, 6, 22, 199, 4710, 0, 5, 40, 573, 4497, 8171, 64084, 0, 7, 71, 205, 346, 603, 1476, 12301, 5907, 8842, 0, 10, 199, 21, 326, 299, 4564, 25029, 0, 8, 45, 697, 4201, 43714, 0, 6, 36, 134, 2274, 41030, 0, 6, 6, 1, 65, 2763, 29870, 0, 7, 37, 602, 17458, 0, 5, 49, 225, 1147, 6048, 47694, 17048, 0, 8, 32, 215, 4490, 0, 5, 13, 180, 688, 13927, 83688, 0, 7, 25, 360, 1506, 1236, 8986, 0, 7, 7, 1, 39, 142, 660, 722, 18337, 0, 9, 96, 579, 5105, 0, 5, 28, 207, 1789, 7797, 61006, 0, 7, 20, 223, 4220, 72967, 0, 6, 65, 64, 229, 3062, 5122, 98448, 0, 8, 54, 1559, 762, 8148, 90899, 0, 7, 21, 100, 7070, 25781, 0, 6, 21, 6, 2, 646, 1812, 65274, 0, 8, 21, 8, 2, 8, 2, 2, 1, 61, 1945, 21100, 34584, 0, 13, 82, 171, 1136, 6716, 63479, 0, 7, 34, 244, 875, 14710, 0, 6, 32, 101, 2979, 21916, 0, 6, 6, 1, 27, 965, 9789, 93983, 0, 8, 36, 141, 355, 5520, 0, 6, 13, 34, 27, 14, 532, 928, 2007, 36457, 0, 10, 171, 42, 1036, 45583, 0, 6, 16, 476, 9005, 0, 5, 109, 506, 8287, 0, 5, 5, 1, 40, 206, 1387, 14196, 26051, 0, 9, 128, 1272, 15823, 0, 5, 13, 40, 13, 2, 84, 572, 398, 1006, 1995, 7755, 55379, 0, 13, 10, 44, 1215, 54432, 0, 6, 43, 447, 2756, 21638, 0, 6, 6, 1, 39, 167, 2107, 39961, 0, 8, 79, 1119, 9880, 0, 5, 38, 705, 5409, 51169, 0, 6, 18, 655, 1185, 68094, 0, 6, 6, 1, 25, 201, 287, 3681, 32046, 0, 9, 64, 173, 6769, 75188, 0, 6, 14, 102, 2913, 27025, 0, 6, 6, 1, 21, 159, 849, 23794, 0, 8, 46, 832, 9140, 0, 5, 46, 5, 2, 83, 1592, 8943, 0, 8, 13, 80, 536, 572, 90, 604, 15739, 0, 9, 42, 130, 1297, 20543, 0, 6, 35, 877, 6415, 18679, 0, 6, 6, 1, 42, 14, 51, 740, 1715, 28922, 21126, 39604, 0, 12, 507, 1872, 929, 724, 9529, 16528, 0, 8, 41, 521, 762, 240, 2671, 59820, 0, 8, 8, 1, 28, 271, 3164, 19603, 0, 8, 7, 216, 741, 20983, 0, 6, 41, 22, 379, 7587, 0, 6, 6, 1, 20, 284, 13577, 13224, 67608, 0, 9, 69, 1079, 505, 20644, 0, 6, 14, 60, 817, 18808, 16191, 0, 7,

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2 33, 460, 5216, 7680, 15487, 0, 7, 7, 1, 29, 599, 18090, 0, 7, 6, 22, 42, 84, 196, 2607, 63022, 0, 9, 36, 252, 5821, 0, 5, 125, 750, 3777, 60312, 0, 6, 19, 475, 1752, 11002, 0, 6, 6, 1, 33, 42, 27, 265, 1790, 30067, 0, 10, 219, 773, 5338, 53987, 0, 6, 15, 528, 4188, 58614, 0, 6, 6, 1, 22, 49, 417, 735, 8473, 0, 9, 48, 2014, 43818, 0, 5, 48, 5, 2, 175, 1852, 3574, 0, 8, 118, 2867, 630, 7203, 91466, 0, 7, 77, 1535, 28131, 0, 5, 18, 235, 4111, 10398, 52533, 0, 7, 12, 162, 6276, 61580, 0, 6, 46, 208, 2357, 4928, 74077, 0, 7, 13, 207, 427, 2115, 53111, 0, 7, 7, 1, 61, 387, 3234, 10170, 0, 8, 47, 813, 14172, 0, 5, 40, 318, 1768, 46185, 0, 6, 33, 100, 425, 3033, 16527, 0, 7, 25, 280, 3612, 7856, 8155, 0, 7, 7, 1, 33, 16, 366, 716, 7305, 0, 9, 94, 663, 805, 4441, 12835, 0, 7, 15, 116, 2964, 77920, 0, 6, 36, 155, 5551, 0, 5, 47, 52, 618, 2538, 58134, 0, 7, 18, 94, 26, 638, 15322, 69495, 0, 8, 67, 1545, 16996, 0, 5, 20, 223, 507, 263, 8519, 68153, 0, 8, 13, 95, 764, 3853, 0, 6, 39, 373, 2572, 0, 5, 19, 188, 2806, 52826, 15549, 38889, 0, 8, 19, 8, 2, 154, 909, 5830, 2326, 9557, 79523, 0, 11, 675, 749, 3044, 17452, 0, 6, 30, 804, 18835, 0, 5, 30, 5, 2, 22, 191, 6694, 0, 8, 28, 300, 10065, 0, 5, 11, 25, 117, 1319, 43093, 0, 7, 82, 528, 216, 307, 1835, 12500, 0, 8, 20, 77, 190, 2320, 31188, 0, 7, 15, 115, 2831, 89100, 0, 6, 46, 184, 1729, 11494, 0, 6, 6, 1, 143, 6060, 48210, 0, 7, 19, 76, 1195, 34181, 0, 6, 12, 209, 878, 5519, 48062, 0, 7, 13, 108, 2095, 31450, 0, 6, 13, 6, 2, 73, 860, 10551, 0, 8, 53, 2223, 13788, 0, 5, 73, 10, 290, 2136, 59655, 0, 7, 26, 153, 1385, 16256, 0, 6, 24, 1003, 36420, 0, 5, 18, 166, 2087, 2490, 6337, 0, 7, 18, 7, 2, 38, 511, 2178, 6023, 0, 9, 207, 255, 14010, 36044, 0, 6, 27, 334, 1213, 1440, 17629, 77786, 0, 8, 53, 53, 1, 88, 1519, 38400, 30229, 0, 9, 23, 1195, 88, 8, 13, 74, 878, 87, 5228, 70788, 0, 12, 94, 216, 134, 778, 4522, 71981, 0, 8, 16, 256, 3683, 47530, 0, 6, 43, 585, 10847, 24136, 0, 6, 6, 1, 40, 293, 3431, 26076, 30844, 68338, 0, 10, 97, 2944, 4965, 10439, 0, 6, 15, 156, 1732, 47960, 0, 6, 6, 1, 22, 196, 434, 7281, 47215, 0, 9, 63, 983, 20473, 0, 5, 107, 2647, 24130, 0, 5, 5, 1, 19, 164, 5459, 82145, 0, 8, 61, 351, 5969, 0, 5, 12, 75, 952, 6506, 22493, 0, 7, 123, 2756, 651, 10894, 62742, 0, 7, 7, 1, 27, 119, 918, 34931, 0, 8, 27, 6, 55, 1911, 3666, 35134, 40836, 0, 9, 54, 802, 16508, 0, 5, 36, 339, 6455, 38908, 0, 6, 18, 160, 4200, 36576, 0, 6, 6, 1, 34, 753, 12299, 0, 7, 40, 107, 74, 138, 2291, 2277, 6588, 6862, 102564, 0, 11, 281, 17433, 0, 4, 1811, 14438, 45191, 0, 5, 39, 339, 39, 2, 194, 4291, 26567, 0, 9, 53, 178, 6818, 20324, 78564, 0, 7, 36, 55, 68, 1765, 15433, 92025, 0, 8, 77, 299, 962, 1469, 18438, 0, 7, 15, 144, 6461, 0, 5, 36, 20, 313, 2409, 7373, 18113, 0, 8, 20, 7, 15, 15, 1, 74, 67, 408, 1047, 4184, 41084, 66375, 0, 14, 620, 1477, 1443, 10914, 0, 6, 90, 707, 28273, 0, 5, 33, 467, 20256, 56813, 50546, 0, 7, 30, 380, 2619, 47671, 0, 6, 18, 115, 351, 163, 2317, 3592, 74323, 0, 9, 82, 375, 1554, 12470, 0, 6, 15, 50, 1163, 28876, 0, 6, 6, 1, 56, 1442, 37833, 0, 7, 34, 135, 1640, 56340, 0, 6, 12, 191, 417, 608, 9490, 42927, 0, 8, 80, 770, 17000, 48185, 0, 6, 14, 73, 349, 3626, 1378, 23164, 0, 8, 14, 8, 2, 137, 4646, 71697, 0, 8, 6, 17, 1586, 13632, 0, 6, 5, 84, 692, 17654, 0, 6, 6, 1, 55, 143, 416, 1771, 25609, 0, 9, 76, 416, 6, 11, 180, 1065, 9184, 3110, 12632, 48379, 0, 12, 62, 2095, 415, 6522, 62888, 0, 7, 76, 19, 273, 1434, 18216, 0, 7, 7, 1, 35, 827, 7015, 3744, 22504, 0, 9, 35, 7, 10, 324, 3100, 26343, 0, 8, 64, 890, 6625, 0, 5, 62, 36, 180, 46, 481, 3281, 35885, 0, 9, 22, 329, 1753, 44370, 15794, 17600, 0, 8, 22, 8, 2, 94, 384, 2437, 6255, 0, 9, 17, 94, 7, 40, 264, 13054, 7831, 0, 9, 9, 1, 57, 1386, 11257, 0, 7, 13, 414, 7135, 22331, 0, 6, 93, 2407, 59497, 0, 5, 53, 259, 2121, 30610, 14656, 0, 7, 18, 193, 8413, 0, 5, 12, 102, 954, 4833, 11873, 10952, 18317, 88872, 0, 10, 85, 1774, 30666, 0, 5, 15, 198, 1469, 270, 4523, 7080, 50153, 19534, 29736, 0, 11, 135, 195, 4026, 38809, 0, 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Van Eck Sequence

2 2, 124, 3209, 44267, 0, 8, 115, 1749, 65632, 0, 5, 26, 126, 717, 36031, 0, 6, 17, 959, 7802, 42166, 0, 6, 6, 1, 76, 1017, 262, 17152, 0, 8, 25, 584, 6621, 29840, 0, 6, 13, 67, 117, 1761, 270, 6296, 0, 8, 14, 207, 3438, 37194, 0, 6, 14, 6, 2, 53, 672, 10785, 78237, 0, 9, 104, 4654, 48796, 0, 5, 54, 331, 4841, 104285, 0, 6, 18, 358, 8003, 0, 5, 11, 97, 1522, 43099, 16327, 55139, 0, 8, 39, 938, 29215, 0, 5, 13, 52, 519, 3159, 17871, 0, 7, 104, 36, 125, 416, 3464, 0, 7, 7, 1, 80, 2065, 8144, 105789, 0, 8, 27, 197, 429, 17064, 0, 6, 46, 269, 4095, 16217, 0, 6, 6, 1, 20, 656, 6617, 0, 7, 26, 119, 5083, 0, 5, 46, 18, 65, 768, 30934, 80897, 0, 8, 32, 360, 5273, 80956, 0, 6, 25, 118, 981, 17084, 0, 6, 6, 1, 32, 14, 107, 2691, 68939, 0, 9, 104, 68, 1798, 10690, 0, 6, 14, 12, 274, 2455, 100499, 0, 7, 47, 348, 3111, 4196, 89005, 0, 7, 7, 1, 29, 188, 1667, 1682, 14050, 0, 9, 29, 7, 10, 237, 1992, 50722, 0, 8, 58, 982, 21909, 76400, 0, 6, 37, 287, 463, 7282, 17861, 0, 7, 19, 406, 2717, 66650, 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2 1615, 25620, 76992, 0, 11, 165, 1045, 15855, 0, 5, 152, 6773, 0, 4, 1417, 27795, 0, 4, 4, 1, 67, 131, 1643, 19133, 0, 8, 30, 508, 18080, 95955, 0, 6, 46, 561, 14852, 0, 5, 27, 312, 3446, 17066, 15579, 50470, 0, 8, 19, 487, 5622, 0, 5, 13, 135, 2897, 42547, 0, 6, 24, 718, 6470, 58211, 0, 6, 6, 1, 44, 627, 1823, 200, 7611, 103890, 0, 10, 133, 470, 23249, 0, 5, 27, 40, 452, 18399, 30489, 0, 7, 118, 4596, 46446, 0, 5, 12, 160, 1320, 23045, 0, 6, 32, 392, 2214, 33480, 0, 6, 6, 1, 39, 797, 8857, 0, 7, 24, 52, 941, 612, 15840, 0, 7, 7, 1, 14, 123, 1180, 4078, 60025, 0, 9, 235, 4461, 51439, 46746, 0, 6, 28, 317, 247, 1631, 1806, 59935, 0, 8, 93, 5273, 4656, 24134, 68568, 0, 7, 29, 373, 13948, 1918, 63007, 0, 7, 7, 1, 37, 798, 4172, 0, 7, 6, 30, 134, 3855, 39211, 18617, 0, 8, 29, 22, 437, 1879, 21969, 0, 7, 15, 346, 7913, 29305, 0, 6, 20, 208, 1519, 9732, 0, 6, 6, 1, 34, 429, 4738, 67181, 0, 8, 27, 117, 299, 4409, 30928, 0, 7, 27, 7, 2, 207, 3378, 22852, 0, 8, 15, 35, 403, 15643, 84577, 0, 7, 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Van Eck Sequence

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2 3856, 5320, 2504, 2634, 19275, 0, 16, 661, 5597, 120784, 0, 5, 48, 369, 8773, 0, 5, 5, 1, 95, 2030, 24482, 0, 7, 33, 837, 4778, 24870, 0, 6, 46, 989, 10337, 0, 5, 17, 202, 1639, 556, 10272, 62911, 0, 8, 148, 15771, 0, 4, 124, 3611, 70885, 0, 5, 17, 17, 1, 36, 369, 43, 377, 5350, 126958, 0, 11, 158, 5050, 18872, 58985, 0, 6, 39, 474, 2270, 30642, 0, 6, 6, 1, 22, 175, 4198, 0, 7, 58, 482, 2016, 35355, 0, 6, 12, 175, 11, 28, 2391, 18739, 0, 8, 53, 233, 1706, 45893, 0, 6, 14, 538, 10616, 0, 5, 55, 1280, 11770, 91989, 0, 6, 11, 23, 398, 683, 1338, 69178, 8138, 120727, 0, 10, 191, 485, 1877, 12086, 0, 6, 16, 123, 276, 7138, 0, 6, 6, 1, 60, 342, 8345, 85779, 0, 8, 47, 204, 736, 2579, 12990, 0, 7, 68, 324, 14183, 0, 5, 48, 143, 660, 21472, 0, 6, 25, 289, 2075, 13920, 82561, 29227, 0, 8, 26, 427, 419, 7672, 105141, 0, 7, 26, 7, 2, 184, 5016, 35632, 0, 8, 15, 517, 26221, 67629, 0, 6, 29, 1136, 8006, 0, 5, 40, 292, 408, 387, 8800, 0, 7, 24, 415, 850, 2680, 33931, 0, 7, 7, 1, 74, 1839, 13511, 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Van Eck Sequence

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2 , 0, 7, 7, 1, 24, 271, 15, 56, 160, 2305, 82294, 0, 11, 112, 373, 2967, 45013, 0, 6, 93, 3797, 41462, 0, 5, 63, 2441, 25904, 0, 5, 5, 1, 27, 155, 6551, 76327, 0, 8, 81, 444, 748, 10851, 1810, 26371, 0, 8, 8, 1, 16, 190, 2303, 49957, 0, 8 , 7, 51, 113, 2155, 62059, 0, 7, 6, 42, 690, 27723, 105855, 0, 7, 7, 1, 22, 278, 851, 9593, 40385, 0, 9, 106, 4670, 83396, 0, 5, 51, 27, 51, 2, 144, 2266, 112984, 0, 9, 14, 292, 3548, 90786, 0, 6, 35, 717, 946, 4426, 74912, 0, 7, 35, 7 , 2, 21, 145, 777, 19226, 29157, 0, 10, 125, 351, 3977, 8527, 100865, 0, 7, 15, 114, 3833, 53047, 0, 6, 30, 1085, 4863, 49852, 0, 6, 6, 1, 65, 824, 35627, 0, 7, 19, 220, 2779, 86402, 0, 6, 12, 623, 1629, 46726, 0, 6, 6, 1, 19, 14, 64, 413, 3271, 105647, 0, 10, 48, 811, 3758, 50667, 0, 6, 15, 47, 497, 7838, 25823, 62871, 0, 8, 122, 1562, 77694, 0, 5, 99, 1195 , 1485, 7118, 113473, 0, 7, 48, 26, 440, 6646, 99524, 0, 7, 7, 1, 43, 392, 2269, 29342, 0, 8, 27, 120, 1409, 18720, 0, 6 , 41, 656, 19555, 61292, 0, 6, 6, 1, 20, 872, 1282, 27898, 0, 8, 20, 6, 9, 135, 2009, 1960, 27431, 0, 9, 6, 8, 11, 221, 628, 4934, 1242, 71644, 0, 10, 80, 2187, 11437, 0, 5, 66, 1283, 23439, 0, 5, 5, 1, 37, 395, 4165, 23203, 0, 8, 26, 71, 1530, 74495, 0, 6, 33, 587, 5294, 461, 8505, 0, 7, 77, 2166, 5335, 0, 5, 25, 339, 1273, 13581, 0, 6, 18, 636, 815, 6137 , 106704, 0, 7, 18, 7, 2, 187, 2597, 41204, 0, 8, 39, 355, 1851, 18386, 42647, 0, 7, 13, 404, 5654, 1980, 61227, 0, 7, 7 , 1, 61, 669, 6497, 61523, 36712, 54658, 0, 10, 81, 285, 7024, 46314, 0, 6, 45, 458, 5158, 0, 5, 56, 326, 4776, 4755, 48966, 0, 7, 27, 138, 6367, 136379, 0, 6, 18, 56, 14, 194, 763, 23387, 0, 8, 56, 7, 16, 309, 6730, 10850, 0, 8, 8, 1, 50 , 930, 3323, 17426, 0, 8, 7, 15, 204, 389, 694, 10248, 72143, 0, 9, 148, 7143, 74308, 0, 5, 51, 301, 2135, 57341, 0, 6, 44, 780, 11522, 49232, 0, 6, 6, 1, 34, 566, 2998, 82443, 0, 8, 34, 6, 9, 28, 1257, 1429, 22870, 25543, 91701, 0, 11, 181 , 1314, 15506, 0, 5, 36, 1636, 2616, 34977, 63186, 0, 7, 56, 73, 1150, 6884, 37824, 0, 7, 7, 1, 38, 1298, 20999, 18588, 0, 8, 38, 6, 38, 2, 153, 6228, 9189, 69456, 0, 10, 130, 1364, 27445, 69688, 0, 6, 14, 110, 2004, 4530, 136583, 0, 7, 30 , 339, 188, 9083, 34866, 0, 7, 7, 1, 38, 30, 10, 25, 200, 4549, 76429, 0, 11, 68, 2547, 25787, 0, 5, 68, 5, 2, 45, 163, 1814, 3691, 75924, 0, 10, 21, 392, 302, 2502, 5803, 0, 7, 32, 592, 8575, 121435, 0, 6, 53, 531, 3292, 69492, 0, 6, 6, 1 , 45, 28, 113, 466, 4581, 8831, 68562, 0, 11, 45, 9, 123, 1089, 77918, 0, 7, 30, 60, 751, 17280, 0, 6, 23, 585, 22237, 90399, 0, 6, 6, 1, 30, 14, 92, 842, 19141, 82250, 0, 10, 59, 2353, 53684, 0, 5, 72, 1708, 6720, 23053, 0, 6, 20, 346, 1854, 53155, 0, 6, 6, 1, 27, 236, 3511, 24747, 68126, 0, 9, 53, 72, 22, 516, 15884, 55508, 0, 8, 149, 709, 5933, 26283, 11381, 37701, 0, 8, 8, 1, 25, 124, 7899, 19354, 0, 8, 7, 73, 180, 4583, 128830, 0, 7, 6, 40, 627, 3283, 20928, 76400, 21372, 59667, 0, 10, 67, 1279, 5441, 112217, 0, 6, 15, 259, 3350, 2910, 66459, 0, 7, 23, 96, 1060, 23528, 0, 6, 13, 338 , 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68, 20, 55, 1635, 38748, 0, 7, 20, 6, 50, 724, 2987, 95454, 0, 8, 15, 47, 205, 8984, 94458, 0, 7, 15, 7, 2, 30, 412, 427, 8762, 67623, 0, 10, 185 , 1149, 207, 12902, 0, 6, 29, 412, 13, 102, 108, 1837, 45944, 0, 9, 79, 168, 7640, 89742, 0, 6, 15, 31, 284, 2563, 4243 , 59635, 0, 8, 46, 108, 20, 56, 423, 3800, 6178, 63824, 0, 10, 39, 852, 1923, 58759, 0, 6, 24, 274, 1349, 34000, 0, 6, 6 , 1, 139, 3744, 27617, 0, 7, 66, 923, 10732, 0, 5, 101, 1179, 32141, 88210, 0, 6, 17, 329, 315, 11570, 17995, 8894, 62493, 0, 9, 63, 1165, 19744, 89130, 0, 6, 15, 63, 7, 29, 81, 877, 4027, 25101, 59394, 0, 11, 316, 2050, 5069, 125643, 0 , 6, 17, 32, 708, 4614, 21476, 0, 7, 21, 281, 9121, 29842, 0, 6, 13, 106, 354, 5446, 13249, 87874, 0, 8, 93, 1214, 2901 , 36118, 0, 6, 14, 201, 2572, 31337, 61768, 0, 7, 27, 267, 2901, 13, 24, 94, 319, 1915, 18352, 0, 11, 51, 873, 3047, 20695, 0, 6, 24, 13, 15, 70, 1339, 6340, 80666, 0, 9, 83, 1324, 14227, 0, 5, 103, 1871, 57109, 0, 5, 5, 1, 120, 1081, 5852, 62032, 0, 8, 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33, 423, 576, 810, 16169, 81692, 0, 8, 19, 182, 15085, 59459, 0, 6, 19, 6, 2, 168, 609, 17157, 0, 8, 14, 160, 1734, 34754, 39539, 0, 7 , 47, 271, 1744, 52193, 16011, 20770, 0, 8, 15, 280, 3589, 0, 5, 42, 1700, 4547, 123189, 0, 6, 32, 554, 2285, 10871, 47469, 0, 7, 26, 109, 339, 1310, 15642, 0, 7, 7, 1, 81, 144, 1699, 19349, 83030, 0, 9, 216, 2977, 15761, 0, 5, 34, 236, 1219, 37947, 7311, 4597, 79409, 0, 9, 14, 63, 609, 69, 93, 575, 2198, 44764, 0, 10, 390, 266, 3686, 13739, 0, 6, 53, 405 , 1961, 3170, 0, 6, 6, 1, 45, 1300, 182, 102, 711, 12012, 5204, 12978, 14406, 0, 13, 172, 3703, 24316, 0, 5, 49, 3709, 5506, 15325, 120788, 0, 7, 69, 44, 1462, 20583, 0, 6, 30, 753, 8270, 38944, 0, 6, 6, 1, 37, 205, 770, 8288, 0, 8, 115, 4747, 0, 4, 194, 1526, 41395, 0, 5, 36, 327, 12247, 0, 5, 5, 1, 22, 396, 13582, 0, 7, 41, 199, 819, 4370, 16090, 0, 7, 7 , 1, 14, 97, 6271, 0, 7, 6, 43, 472, 2244, 916, 15648, 0, 8, 43, 7, 10, 103, 640, 7274, 48182, 11846, 0, 10, 7, 9, 122, 920, 4963, 97560, 0, 8, 18, 286, 7200, 0, 5, 51, 582, 4857, 4785, 12245, 0, 7, 19, 211, 1964, 34971, 0, 6, 43, 36, 71, 1692, 19895, 0, 7, 13, 119, 264, 2002, 4263, 25164, 0, 8, 33, 246, 2615, 6628, 0, 6, 21, 285, 1649, 39710, 87957, 0, 7, 21, 7, 2, 245, 2768, 45151, 0, 8, 21, 8, 2, 8, 2, 2, 1, 92, 1102, 3065, 42247, 0, 13, 41, 107, 1103, 5250, 2011, 23977, 31160, 0, 9, 82, 584, 4803, 0, 5, 76, 627, 1398, 8213, 79460, 0, 7, 40, 619, 724, 933, 33618, 0, 7, 7, 1, 36, 78, 3000, 25667, 0, 8, 45, 207, 923, 867, 12170, 93113, 0, 8, 8, 1, 16, 1294, 2392, 69141, 0, 8, 7, 24, 789, 29175, 0, 6, 86, 481 , 8926, 127692, 0, 6, 6, 1, 20, 442, 2896, 41327, 0, 8, 20, 6, 9, 66, 905, 83997, 0, 8, 8, 1, 16, 36, 53, 263, 4176, 21816, 0, 10, 165, 4234, 40093, 0, 5, 81, 311, 9727, 0, 5, 5, 1, 20, 30, 245, 122, 178, 7034, 8447, 0, 11, 476, 10847, 32003, 0, 5, 15, 359, 13025, 100156, 0, 6, 48, 413, 1966, 68569, 0, 6, 6, 1, 28, 1609, 3565, 24359, 0, 8, 55, 1054, 13016, 0, 5, 25, 760, 13055, 0, 5, 5, 1, 18, 215, 5765, 19048, 0, 8, 18, 6, 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2 6, 2, 48, 72, 1736, 9409, 0, 9, 21, 339, 550, 9231, 75710, 0, 7, 22, 445, 3267, 88953, 0, 6, 20, 237, 855, 685, 10913, 17223, 30459, 0, 9, 22, 15, 93, 541, 6147, 36979, 0, 8, 79, 1229, 5373, 62864, 0, 6, 23, 93, 13, 118, 3188, 6709, 75607, 0, 9, 23, 9, 2, 54, 1347, 15668, 0, 8, 23, 8, 2, 8, 2, 2, 1, 152, 1459, 5179, 0, 12, 713, 15655, 0, 4, 96, 1756, 26131, 98549, 0, 6, 39, 1250, 10513, 17559, 0, 6, 6, 1, 23, 30, 153, 1964, 465, 7186, 137423, 0, 11, 307, 15319, 0, 4, 27, 105, 3667, 104055, 0, 6, 20, 89, 800, 47489, 0, 6, 6, 1, 27, 14, 160, 695, 6326, 78611, 0, 10, 271, 694, 2070, 9931, 127988, 5873, 23838, 120352, 0, 10, 10, 1, 20, 28, 327, 576, 737, 7762, 97812, 0, 11, 47, 716, 13337, 18245, 0, 6, 36, 388, 4731, 0, 5, 172, 636, 2192, 28629, 37853, 0, 7, 150, 1708, 1920, 39907, 0, 6, 18, 292, 2398, 42420, 0, 6, 6, 1, 41, 497, 1079, 1552, 16727, 21806, 78512, 25815, 0, 12, 116, 946, 2409, 10326, 0, 6, 17, 1300, 684, 6455, 32311, 0, 7, 37, 654, 2952, 8733, 87828, 7033, 104163, 0, 9, 156, 2880, 2911, 51950, 0, 6, 22, 187, 2242, 55279, 0, 6, 6, 1, 46, 1402, 7412, 84178, 0, 8, 166, 6482, 138051, 0, 5, 78, 523, 8351, 119677, 0, 6, 18, 71, 608, 5012, 25150, 0, 7, 47, 102, 736, 1623, 44922, 0, 7, 7, 1, 33, 610, 6866, 4446, 26448, 0, 9, 54, 209, 8003, 23468, 0, 6, 29, 943, 13028, 30306, 0, 6, 6, 1, 21, 271, 154, 341, 434, 9735, 109923, 0, 11, 141, 6163, 0, 4, 188, 1729, 11379, 19179, 18559, 105468, 0, 8, 69, 766, 7083, 0, 5, 69, 5, 2, 241, 1856, 48919, 0, 8, 13, 267, 426, 4792, 13326, 0, 7, 63, 832, 3993, 33904, 0, 6, 48, 324, 5284, 56591, 47348, 0, 7, 13, 20, 196, 2732, 17093, 0, 7, 7, 1, 63, 22, 126, 413, 540, 25378, 103023, 0, 11, 63, 9, 88, 508, 8476, 10091, 19620, 64091, 0, 10, 224, 2836, 84541, 0, 5, 59, 1156, 78191, 0, 5, 5, 1, 31, 1064, 10817, 52003, 0, 8, 66, 419, 2920, 19059, 0, 6, 59, 19, 414, 5053, 0, 6, 6, 1, 20, 59, 9, 43, 516, 2128, 25159, 0, 11, 51, 515, 1116, 4345, 77980, 0, 7, 68, 1647, 43686, 0, 5, 42, 970, 1204, 14700, 73509, 0, 7, 12, 233, 8619, 123618, 0, 6, 35, 490, 6940, 4757, 54599, 0, 7, 13, 101, 1578, 12166, 100116, 0, 7, 7, 1, 50, 456, 20311, 0, 7, 6, 22, 106, 1541, 63934, 0, 7, 7, 1, 14, 338, 584, 767, 43142, 30193, 0, 10, 104, 488, 11763, 82853, 0, 6, 22, 22, 1, 17, 279, 521, 5471, 0, 9, 84, 534, 9970, 46035, 5957, 19349, 1016, 28627, 100171, 0, 11, 89, 380, 3823, 4232, 54818, 0, 7, 42, 84, 19, 114, 2697, 52532, 0, 8, 127, 6286, 57927, 0, 5, 97, 926, 17219, 122584, 0, 6, 46, 292, 346, 2267, 25074, 0, 7, 26, 1067, 12925, 0, 5, 18, 287, 7327, 41190, 0, 6, 18, 6, 2, 230, 3819, 124687, 0, 8, 37, 341, 262, 10105, 0, 6, 12, 128, 1474, 5816, 98569, 0, 7, 32, 1106, 16937, 26966, 57885, 0, 7, 7, 1, 91, 3898, 28346, 36837, 0, 8, 28, 432, 5346, 0, 5, 47, 327, 437, 7935, 0, 6, 33, 324, 256, 10164, 10570, 0, 7, 25, 766, 289, 4860, 103669, 0, 7, 7, 1, 33, 16, 835, 26259, 20609, 36814, 0, 10, 141, 318, 6960, 92607, 0, 6, 30, 520, 9927, 127737, 0, 6, 6, 1, 22, 148, 2559, 19863, 0, 8, 55, 808, 12468, 12850, 0, 6, 13, 198, 3207, 116108, 0, 6, 6, 1, 20, 247, 712, 7704, 38979, 0, 9, 167, 6992, 16214, 13622, 69766, 0, 7, 57, 752, 11444, 0, 5, 83, 804, 5060, 37127, 0, 6, 26, 141, 60, 1993, 22916, 0, 7, 18, 137, 3335, 81762, 0, 6, 13, 46, 162, 1692, 1045, 15168, 0, 8, 60, 19, 187, 470, 4815, 16377, 28425, 0, 9, 48, 369, 1699, 1229, 659, 3027, 41178, 0, 9, 9, 1, 66, 327, 130, 1984, 13197, 8920, 93344, 0, 11, 224, 354, 1806, 16131, 28705, 0, 7, 50, 279, 248, 5566, 84745, 0, 7, 7, 1, 25, 142, 6008, 117054, 0, 8, 51, 335, 1374, 20646, 3152, 9082, 22059, 0, 9, 41, 567, 27195, 0, 5, 92, 1075, 16152, 0, 5, 5, 1, 27, 640, 1158, 3453, 0, 8, 27, 6, 88, 413, 422, 7212, 0, 8, 8, 1, 16, 175, 4011, 26498, 0, 8, 7, 51, 44, 909, 26273, 27718, 0, 8, 8, 1, 16, 16, 1, 3, 5869, 65614, 0, 10, 192, 1773, 36651, 0, 5, 46, 124, 2519, 18045, 0, 6, 43, 413, 43, 2, 275, 1460, 12861, 0, 9, 72, 815, 2851, 114118, 0, 6, 15, 793, 7165, 0, 5, 26, 164, 1717, 78017, 0, 6, 11, 121, 2167, 1655, 39870, 0, 7, 61, 1650, 74065, 0, 5, 18, 175, 73, 2558, 13364, 0, 7, 12, 305, 13824, 82085, 0, 6, 25, 129, 9127, 4904, 92686, 0, 7, 13, 189, 4541, 24886, 0, 6, 13, 6, 2, 63, 525, 27095, 0, 8, 92, 130, 174, 3341, 82648, 0, 7, 21, 609, 1400, 46339, 0, 6, 19, 207, 1176, 29306, 0, 6, 6, 1, 109, 1444, 1833, 26776, 71939, 0, 9, 91, 344, 3930, 7498, 11165, 40083, 0, 8, 36, 764, 9725, 0, 5, 75, 1790, 14922, 0, 5, 5, 1, 27, 165, 1158, 171, 6581, 84178, 706, 6290, 27504, 0, 13, 66, 234, 3766, 57348, 0, 6, 45, 1228, 27072, 16792, 91005, 0, 7, 65, 3136, 39955, 29938, 0, 6, 13, 20, 320, 14883, 0, 6, 6, 1, 38, 2509, 54695, 0, 7, 19, 78, 737, 832, 654, 773, 3869, 3501, 4508, 84239, 0, 12, 129, 123, 2772, 1762, 42206, 0, 7, 19, 19, 1, 27, 65, 42, 498, 2561, 18355, 36250, 38324, 0, 13, 44, 222, 17229, 0, 5, 81, 1232, 36304, 0, 5, 5, 1, 22, 396, 1446, 12403, 0, 8, 105, 917, 6239, 60268, 0, 6, 62, 2364, 14920, 0, 5, 18, 186, 4373, 86094, 0, 6, 11, 204, 2985, 80123, 0, 6, 6, 1, 31, 674, 44715, 0, 7, 61, 210, 3896, 120867, 0, 6, 12, 75, 137, 387, 4681, 26561, 0, 8, 44, 62, 39, 985, 40013, 0, 7, 21, 185, 2280, 29590, 82903, 0, 7, 7, 1, 35, 655, 4965, 33277, 0, 8, 22, 72, 271, 810, 1686, 24525, 0, 8, 8, 1, 16, 307, 999, 14228, 0, 8, 7, 24, 1370, 15743, 69428, 0, 7, 6, 54, 847, 10553, 0, 6, 5, 85, 1733, 5745, 59719, 0, 7, 13, 121, 289, 535, 3639, 2512, 57235, 0, 9, 224, 418, 11302, 38531, 0, 6, 22, 51, 359, 1342, 8092, 10582, 51503, 0, 9, 15, 324, 566, 3068, 21593, 86013, 0, 8, 52, 3565, 1343, 10895, 0, 6, 23, 1071, 6157, 60930, 0, 6, 6, 1, 72, 81, 162, 492, 7223, 6918, 0, 10, 380, 686, 14571, 73966, 0, 6, 15, 36, 268, 7520, 77349, 4117, 139351, 0, 9, 45, 247, 553, 14650, 69242, 0, 7, 76, 1504, 13330, 0, 5, 87, 2852, 12046, 111762, 0, 6, 27, 217, 1919, 39112, 0, 6, 6, 1, 49, 1692, 539, 13521, 54476, 0, 9, 33, 628, 3309, 12529, 0, 6, 14, 775, 19371, 20714, 23398, 0, 7, 39, 171, 308, 4144, 48202, 0, 7, 7, 1, 29, 977, 12604, 51148, 0, 8, 98, 1288, 41358, 71863, 0, 6, 28, 689, 25988, 0, 5, 60, 579, 15799, 55425, 0, 6, 11, 232, 2806, 33681, 0, 6, 6, 1, 31, 232, 8, 28, 22, 144, 1817, 4769, 131050, 0, 13, 165, 360, 9872, 22542, 0, 6, 18, 263, 1530, 3354, 74549, 0, 7, 56, 2477, 9159, 71987, 0, 6, 13, 20, 350, 14685, 0, 6, 6, 1, 38, 350, 7, 17, 846, 43075, 0, 10, 147, 2615, 1676, 15603, 51558, 0, 7, 12, 274, 2103, 11872, 39874, 0, 7, 7, 1, 24, 236, 1863, 25411, 15397, 112743, 0, 10, 24, 8, 69, 1046, 4283, 71751, 0, 8, 6, 42, 362, 7048, 130728, 0, 7, 24, 15, 181, 3268, 12305, 44850, 0, 8, 15, 7, 10, 26, 546, 29035, 0, 8, 8, 1, 41, 636, 1224, 4266, 41305, 0, 9, 163, 3214, 28786, 0, 5, 129, 410, 11715, 2920, 1016, 912, 31040, 0, 9, 14, 171, 164, 575, 1914, 17693, 18899, 0, 9, 9, 1, 32, 858, 4630, 13687, 0, 8, 39, 181, 55, 796, 9870, 0, 7, 53, 1661, 16951, 0, 5, 38, 115, 1879, 14547, 0, 6, 80, 3514, 9083, 3289, 35179, 0, 7, 18, 149, 3172, 44697, 0, 6, 13, 142, 720, 14237, 0, 6, 6, 1, 45, 266, 1962, 21427, 0, 8, 45, 6, 9, 55, 46, 666, 4941, 35782, 35861, 0, 11, 204, 436, 5086, 43363, 0, 6, 15, 110, 1574, 3057, 37578, 0, 7, 44, 423, 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29167, 0, 5, 92, 831, 3023, 19133, 20304, 0, 7, 12, 33, 494, 9980, 16927, 0, 7, 7, 1, 34, 78, 230, 1192, 6125, 90203, 0, 10, 361, 5192, 6110, 79198, 0, 6, 49, 523, 1506, 6062, 0, 6, 6, 1, 22, 70, 2802, 129304, 0, 8, 56, 453, 9590, 109269, 0, 6, 13, 155, 1769, 16249, 0, 6, 6, 1, 20, 70, 20, 2, 99, 2501, 38746, 0, 11, 303, 8734, 0, 4, 1491, 17291, 0, 4, 4, 1, 19, 797, 5535, 101046, 0, 8, 39, 297, 6775, 0, 5, 88, 1034, 16333, 0, 5, 5, 1, 18, 362, 449, 5303, 40955, 0, 9, 148, 1193, 40052, 0, 5, 13, 57, 1166, 2816, 40225, 0, 7, 99, 52, 671, 7573, 132306, 0, 7, 7, 1, 28, 553, 641, 21560, 0, 8, 46, 372, 19790, 0, 5, 27, 635, 5883, 26024, 0, 6, 83, 1193, 38, 422, 1087, 5775, 22733, 28779, 0, 10, 126, 1518, 70399, 0, 5, 21, 794, 24099, 0, 5, 5, 1, 39, 79, 1837, 3071, 128557, 0, 9, 67, 246, 2233, 18687, 0, 6, 35, 193, 6200, 24240, 0, 6, 6, 1, 21, 28, 61, 845, 12712, 0, 9, 21, 7, 70, 133, 2037, 32334, 0, 8, 69, 559, 20806, 0, 5, 42, 557, 31605, 0, 5, 5, 1, 27, 76, 723, 20707, 0, 8, 18, 121, 804, 1270, 7926, 51072, 0, 8, 8, 1, 16, 363, 7985, 43764, 0, 8, 7, 41, 406, 4359, 0, 6, 56, 194, 2393, 94664, 0, 6, 6, 1, 20, 186, 925, 5031, 0, 8, 20, 6, 9, 65, 292, 1450, 35968, 0, 9, 6, 8, 11, 197, 5213, 106158, 11798, 0, 9, 9, 1, 26, 439, 5252, 61423, 12818, 21880, 78536, 0, 11, 17, 367, 4607, 68198, 0, 6, 25, 379, 4518, 69113, 0, 6, 6, 1, 23, 479, 6018, 89573, 0, 8, 38, 159, 372, 173, 8522, 49619, 0, 8, 8, 1, 16, 85, 442, 2276, 71513, 0, 9, 47, 323, 3557, 104371, 0, 6, 30, 468, 6685, 140522, 0, 6, 6, 1, 21, 142, 593, 3396, 8798, 7232, 134573, 0, 11, 60, 788, 37076, 0, 5, 137, 998, 8214, 97608, 0, 6, 21, 20, 101, 1631, 20546, 0, 7, 126, 209, 1806, 1356, 5967, 48790, 0, 8, 57, 259, 3766, 1139, 22174, 0, 7, 15, 445, 2071, 15341, 10429, 0, 7, 7, 1, 51, 955, 15668, 2039, 16057, 22999, 56224, 0, 11, 51, 9, 76, 183, 7491, 0, 7, 17, 118, 2065, 66681, 0, 7, 7, 1, 25, 121, 192, 1324, 3167, 66099, 0, 10, 266, 668, 16712, 0, 5, 75, 1074, 25051, 0, 5, 5, 1, 20, 75, 8, 64, 3139, 37318, 0, 10, 20, 8, 7, 32, 737, 1178, 14609, 6180, 80360, 0, 11, 55, 691, 31650, 107201, 0, 6, 101, 99, 340, 2945, 84241, 0, 7, 21, 108, 3349, 139397, 0, 6, 13, 359, 1038, 9166, 28355, 0, 7, 13, 7, 2, 414, 1801, 25733, 0, 8, 43, 1382, 8209, 36015, 0, 6, 21, 27, 278, 3718, 28148, 0, 7, 19, 417, 4575, 79207, 0, 6, 13, 27, 13, 2, 28, 320, 1256, 2286, 68601, 0, 11, 64, 80, 786, 60920, 0, 6, 17, 118, 118, 1, 93, 2188, 6980, 21271, 0, 10, 91, 558, 18102, 111875, 0, 6, 16, 222, 1241, 7684, 5212, 3032, 3646, 87413, 0, 10, 16, 10, 2, 42, 343, 12950, 129280, 0, 9, 158, 3089, 18075, 60618, 0, 6, 25, 150, 669, 4274, 32224, 74083, 0, 8, 85, 254, 6983, 55932, 0, 6, 14, 881, 5388, 51687, 0, 6, 6, 1, 59, 632, 15661, 0, 7, 91, 58, 3576, 101081, 23456, 0, 7, 7, 1

2 , 14, 22, 557, 392, 4127, 31165, 0, 10, 57, 235, 8083, 32772, 0, 6, 29, 809, 29097, 0, 5, 186, 366, 797, 537, 8249, 101055, 0, 8, 55, 174, 1451, 3011, 90731, 0, 7, 35, 453, 584, 1883, 26326, 0, 7, 7, 1, 43, 156, 2139, 60433, 0, 8, 22, 48, 1661, 929, 22373, 0, 7, 14, 56, 413, 1554, 34348, 0, 7, 7, 1, 22, 16, 117, 4865, 0, 8, 22, 6, 59, 87, 1175, 6797, 114366, 0, 9, 122, 2599, 87655, 0, 5, 66, 1451, 57, 79, 519, 4730, 8797, 0, 9, 14, 38, 388, 2248, 16183, 0, 7, 37, 779, 14566, 0, 5, 21, 213, 6356, 93393, 15290, 0, 7, 12, 700, 21347, 0, 5, 12, 5, 2, 169, 5633, 6836, 100144, 0, 9, 33, 713, 2361, 25744, 0, 6, 60, 386, 10472, 73331, 0, 6, 6, 1, 76, 341, 1904, 10210, 39006, 0, 9, 21, 42, 197, 480, 12967, 57374 , 0, 8, 85, 184, 5358, 124542, 0, 6, 22, 91, 172, 2312, 82420, 0, 7, 56, 112, 4780, 22792, 0, 6, 13, 267, 2168, 7501, 5758, 0, 7, 13, 7, 2, 64, 268, 1306, 96057, 0, 9, 43, 148, 684, 2302, 99589, 0, 7, 14, 104, 2040, 34130, 0, 6, 29, 190, 4780, 35, 173, 498, 1518, 653, 41382, 0, 11, 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12130, 38074, 0, 7, 19, 110, 1480, 6367, 4940, 16802, 101661, 0, 9, 78, 1242, 5052, 19302, 38267, 0, 7, 16, 249, 1419, 57581, 0, 6, 48, 628, 1758, 11098, 41720, 0, 7, 13, 324, 1843, 31176, 20714, 1760, 6254, 58948, 0, 10, 98, 433, 22123, 0, 5, 51, 457, 9712, 0, 5, 5, 1, 69, 289, 1888, 25955, 0, 8, 6, 29, 6, 37, 300, 7067, 37804, 90239, 0, 9, 57, 439, 1044, 5674, 43575, 0, 7, 44, 105, 2014, 35597, 0, 6, 20, 224, 1909, 13877, 31044, 0, 7, 13, 57, 21, 247, 1857, 19874, 71282, 0, 9, 29, 353, 3918, 21998, 32639, 0, 7, 16, 86, 532, 9962, 0, 6, 29, 13, 23, 164, 1668, 22663, 89047, 0, 9, 22, 143, 4704, 120763, 0, 6, 15, 355, 5104, 93238, 0, 6, 6, 1, 80, 869, 24611, 0, 7, 34, 560, 8054, 39596, 0, 6, 12, 265, 11155, 0, 5, 97, 2598, 33162, 0, 5, 5, 1, 23, 44, 82, 420, 8245, 0, 9, 44, 6, 21, 75, 292, 1159, 20310, 0, 9, 9, 1, 18, 473, 8010, 0, 7, 41, 496, 11953, 0, 5, 29, 74, 4619, 52843, 0, 6, 25, 257, 5682, 8633, 0, 6, 6, 1, 24, 376, 4102, 31775 , 0, 8, 145, 3963, 83502, 0, 5, 25, 19, 208, 7833, 10442, 82605, 0, 8, 13, 106, 2728, 46169, 0, 6, 26, 262, 2639, 57368 , 0, 6, 6, 1, 33, 393, 10661, 6708, 0, 8, 20, 156, 848, 5645, 36407, 0, 7, 65, 1237, 13559, 33066, 0, 6, 20, 13, 34, 114 , 2712, 68421, 0, 8, 21, 93, 986, 25769, 0, 6, 14, 280, 3785, 23344, 75543, 0, 7, 27, 1018, 83407, 0, 5, 67, 492, 2064, 17095, 0, 6, 18, 108, 1070, 12720, 0, 6, 6, 1, 59, 484, 4187, 15975, 0, 8, 38, 855, 3234, 29375, 0, 6, 13, 51, 257, 113 , 3928, 143969, 0, 8, 14, 46, 1430, 12262, 0, 6, 14, 6, 2, 503, 26654, 0, 7, 52, 492, 47, 330, 10215, 74161, 14270, 0, 9 , 159, 1278, 31339, 0, 5, 61, 1400, 2408, 15740, 130153, 0, 7, 21, 86, 240, 6755, 0, 6, 32, 1159, 183, 1205, 7801, 50538 , 0, 8, 48, 334, 7231, 24754, 0, 6, 14, 48, 7, 23, 211, 3700, 27426, 0, 9, 41, 194, 1383, 10406, 78085, 0, 7, 13, 78, 370, 11353, 0, 6, 22, 267, 865, 12781, 0, 6, 6, 1, 104, 849, 33994, 0, 7, 19, 189, 2492, 12448, 0, 6, 12, 261, 6456, 0, 5, 73, 2521, 78755, 0, 5, 5, 1, 23, 50, 2656, 64130, 0, 8, 65, 179, 600, 17704, 0, 6, 24, 231, 511, 8723, 0, 6, 6, 1, 20 , 187, 2710, 14601, 0, 8, 20, 6, 9, 73, 36, 560, 309, 3515, 39628, 0, 11, 585, 5189, 12723, 0, 5, 43, 862, 51355, 0, 5, 5, 1, 29, 282, 5995, 17981, 50054, 0, 9, 27, 202, 675, 16409, 0, 6, 34, 227, 6785, 0, 5, 19, 85, 983, 35619, 112027, 0, 7, 92, 1739, 14122, 51336, 0, 6, 18, 215, 1945, 36352, 0, 6, 6, 1, 39, 790, 5787, 16746, 0, 8, 68, 3062, 36399, 0, 5, 32 , 166, 3246, 18484, 0, 6, 18, 25, 314, 8533, 0, 6, 6, 1, 25, 7, 41, 159, 201, 4571, 136782, 0, 11, 85, 54, 1981, 34615, 0, 6, 16, 441, 14709, 0, 5, 34, 71, 3268, 2145, 52295, 0, 7, 25, 27, 85, 20, 117, 1148, 98925, 0, 9, 93, 307, 2428, 92072, 0, 6, 27, 14, 209, 1462, 3999, 136046, 0, 8, 69, 521, 3065, 3864, 42465, 0, 7, 30, 743, 6109, 14830, 0, 6, 21, 249, 575, 2149, 47589, 0, 7, 13, 220, 5738, 130365, 0, 6, 13, 6, 2, 290, 12707, 0, 13, 7, 2, 7, 2, 2, 1, 90, 5016, 15039, 0, 12, 219, 10156, 0, 4, 1801, 1400, 292, 464, 2009, 5684, 28305, 0, 9, 72, 2428, 71, 89, 964, 810, 1064, 3230, 40935, 0, 11, 110, 646, 15727, 81452, 0, 6, 47, 330, 330, 1, 39, 154, 3339, 136515, 0, 10, 624, 5058, 53142, 0, 5, 120, 1021, 7866, 0, 5, 5, 1, 18, 155, 1875, 33563, 8400, 0, 9, 46, 373, 5948, 27333, 0, 6, 35, 755, 4273, 52399, 0, 6, 1, 21, 105, 623, 5250, 3976, 19249, 0, 10, 41, 174, 1333, 33971, 0, 6, 15, 587, 5724, 50771, 0, 6, 6, 1, 22, 334, 362, 1874 , 4304, 38005, 0, 10, 22, 8, 150, 1419, 711, 4177, 15704, 79997, 0, 10, 10, 1, 20, 180, 5409, 12909, 42824, 59336, 0, 10 , 9, 65, 326, 4987, 30502, 0, 7, 138, 5691, 10382, 0, 5, 84, 3221, 7852, 0, 5, 5, 1, 27, 195, 9410, 0, 7, 17, 1503, 11800, 16502, 126252, 0, 7, 7, 1, 14, 208, 571, 5000, 76670, 0, 9, 39, 129, 2355, 28606, 0, 6, 75, 628, 770, 4206, 13707 , 0, 7, 21, 103, 4162, 34564, 0, 6, 13, 194, 434, 3486, 70314, 0, 7, 13, 7, 2, 198, 855, 521, 238, 12503, 0, 10, 76, 1337, 69544, 0, 5, 63, 2913, 6866, 3531, 96793, 0, 7, 20, 96, 3720, 116326, 0, 6, 35, 152, 3735, 72063, 0, 6, 6, 1, 69, 270, 1227, 21175, 0, 8, 126, 1745, 61970, 0, 5, 32, 345, 3849, 23269, 0, 6, 18, 190, 1317, 12737, 83605, 0, 7, 38, 578, 3853, 36254, 0, 6, 13, 66, 1264, 11171, 0, 6, 6, 1, 38, 14, 108, 607, 12488, 0, 9, 107, 4172, 14333, 30159, 0, 6, 14, 12 , 278, 1662, 7798, 0, 7, 34, 358, 13178, 0, 5, 52, 590, 11396, 92277, 0, 6, 18, 52, 7, 14, 21, 122, 934, 7617, 15071, 84868, 0, 12, 28, 1017, 7024, 5886, 80352, 0, 7, 16, 393, 707, 15816, 0, 6, 25, 387, 2238, 24929, 0, 6, 6, 1, 64, 1421, 23487, 70752, 0, 8, 102, 3668, 125172, 0, 5, 50, 545, 6788, 29170, 0, 6, 18, 50, 7, 34, 64, 21, 51, 672, 20836, 0, 11, 331, 12817, 0, 4, 355, 858, 2530, 33490, 0, 6, 21, 16, 53, 2525, 75423, 0, 7, 25, 53, 6, 10, 177, 9595, 39196, 0, 9, 111 , 6620, 0, 4, 26, 787, 38295, 0, 5, 52, 95, 5629, 71650, 0, 6, 21, 31, 2310, 37961, 0, 6, 6, 1, 77, 2337, 41941, 0, 7, 37, 973, 5641, 62528, 0, 6, 12, 110, 392, 1693, 6995, 0, 7, 13, 167, 3361, 0, 5, 37, 18, 84, 294, 4623, 41117, 0, 8, 102 , 102, 1, 34, 91, 1457, 34524, 0, 9, 63, 240, 724, 4326, 5012, 3788, 20708, 0, 9, 9, 1, 17, 308, 1325, 23493, 0, 8, 26, 76, 263, 2536, 25702, 0, 7, 46, 409, 7712, 56916, 0, 6, 59, 809, 1739, 609, 3173, 73928, 0, 8, 21, 86, 763, 6036, 77276 , 0, 7, 21, 7, 2, 300, 1055, 43300, 0, 8, 15, 410, 2688, 22933, 0, 6, 29, 662, 21850, 0, 5, 81, 2922, 35310, 0, 5, 5, 1 , 60, 1661, 1744, 4669, 65816, 0, 9, 68, 636, 2725, 61394, 0, 6, 25, 156, 916, 4522, 36337, 0, 7, 44, 997, 13917, 12091 , 121453, 0, 7, 7, 1, 29, 41, 464, 539, 2911, 3920, 73472, 39441, 0, 12, 138, 424, 9126, 71677, 0, 6, 32, 324, 1154, 22115, 0, 6, 6, 1, 24, 764, 3236, 137845, 0, 8, 77, 170, 2614, 19538, 0, 6, 13, 158, 1902, 20879, 0, 6, 6, 1, 20, 377, 4823, 0, 7, 50, 248, 3455, 58487, 0, 6, 12, 46, 132, 4970, 23732, 0, 7, 13, 26, 146, 7118, 6328, 111157, 0, 8, 40, 1285 , 26281, 0, 5, 105, 545, 281, 5303, 2397, 120144, 0, 8, 13, 21, 139, 5367, 28249, 0, 7, 28, 328, 53590, 0, 5, 20, 51, 290, 657, 10006, 117784, 0, 8, 20, 8, 2, 158, 69, 426, 3922, 76973, 0, 10, 281, 36, 836, 19996, 0, 6, 64, 315, 5384, 5669, 119863, 0, 7, 36, 12, 72, 659, 3559, 27862, 47393, 0, 9, 157, 1401, 10689, 0, 5, 45, 2804, 23457, 0, 5, 5, 1, 103 , 514, 8389, 38423, 0, 8, 48, 957, 12204, 0, 5, 12, 31, 306, 2662, 59162, 0, 7, 39, 546, 2919, 18965, 0, 6, 52, 325, 6804, 26199, 0, 6, 6, 1, 32, 163, 2714, 31795, 0, 8, 32, 6, 9, 53, 359, 2139, 1968, 71415, 0, 10, 82, 1206, 19363, 0, 5 , 42, 1461, 68204, 0, 5, 5, 1, 28, 117, 816, 12424, 0, 8, 28, 6, 28, 2, 111, 380, 3169, 106068, 0, 10, 28, 8, 12, 67, 1119, 29291, 0, 8, 6, 17, 321, 5859, 32707, 0, 7, 73, 961, 18312, 0, 5, 37, 360, 3082, 48121, 0, 6, 17, 17, 1, 45, 112, 1906, 49561, 0, 9, 70, 2483, 10360, 10695, 0, 6, 15, 311, 4616, 10865, 0, 6, 6, 1, 20, 169, 1975, 16044, 0, 8, 47, 792, 12500, 36764, 0, 6, 13, 201, 920, 4805, 0, 6, 6, 1, 20, 20, 1, 3, 3631, 84365, 0, 10, 77, 270, 619, 4727, 79765, 0, 7, 69, 200, 6276, 36965, 0, 6, 22, 754, 6001, 73478, 0, 6, 6, 1, 26, 258, 5264, 12048, 104709, 0, 9, 70, 70, 1, 10, 32, 147 , 1575, 15873, 0, 10, 6, 19, 1024, 14360, 0, 6, 5, 102, 453, 2134, 17307, 0, 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2 2247, 34647, 55568, 0, 6, 48, 365, 1849, 69370, 0, 6, 6, 1, 21, 442, 2631, 44139, 0, 8, 54, 1161, 12906, 14784, 0, 6, 13, 254, 2389, 10945, 0, 6, 6, 1, 20, 175, 3828, 70225, 0, 8, 20, 6, 9, 43, 1265, 8591, 66426, 0, 9, 6, 8, 11, 175, 17, 95, 719, 19184, 0, 10, 233, 4278, 48804, 0, 5, 87, 158, 471, 10201, 0, 6, 20, 30, 1165, 5840, 20406, 0, 7, 85, 1199, 142, 2675, 5963, 16503, 0, 8, 34, 703, 12455, 6206, 130871, 0, 7, 15, 340, 2567, 62927, 0, 6, 28, 387, 835, 4141, 78549, 0, 7, 13, 79, 106, 1570, 13029, 0, 7, 7, 1, 80, 142, 36, 195, 1030, 19862, 0, 10, 63, 734, 3154, 78005, 0, 6, 30, 57, 1721, 39510, 30416, 0, 7, 22, 208, 1035, 17204, 8577, 121173, 0, 8, 58, 2486, 14628, 69445, 0, 6, 21, 135, 3090, 86670, 0, 6, 6, 1, 43, 114, 1586, 36513, 0, 8, 20, 93, 1279, 6498, 100493, 0, 7, 35, 1009, 31367, 0, 5, 111, 470, 4128, 44863, 0, 6, 25, 328, 603, 15091, 104451, 0, 7, 18, 318, 4223, 0, 5, 18, 5, 2, 244, 1989, 32634, 0, 8, 38, 994, 20764, 0, 5, 11, 155, 1210, 31613, 0, 6, 31, 565, 19146, 0, 5, 11, 11, 1, 63, 98, 1861, 104439, 0, 9, 177, 906, 17973, 0, 5, 14, 282, 1446, 3856, 16513, 0, 7, 50, 701, 4892, 92048, 0, 6, 32, 424, 746, 21374, 115908, 0, 7, 13, 146, 700, 311, 501, 5886, 1003, 7445, 36197, 0, 11, 43, 105, 700, 11, 4, 938, 28097, 0, 9, 45, 531, 5074, 84065, 0, 6, 33, 385, 11362, 0, 5, 51, 698, 2280, 3850, 22647, 0, 7, 38, 88, 3131, 25008, 0, 6, 18, 102, 463, 2387, 36311, 0, 7, 13, 51, 21, 155, 98, 85, 230, 3219, 129059, 0, 11, 47, 547, 9124, 18624, 0, 6, 24, 807, 426, 725, 5870, 3261, 129686, 0, 9, 57, 199, 5394, 24281, 0, 6, 15, 242, 9661, 99465, 0, 6, 6, 1, 122, 1099, 14037, 0, 7, 45, 76, 942, 17254, 0, 6, 12, 369, 4299, 77188, 0, 6, 6, 1, 19, 509, 8787, 52633, 0, 8, 166, 1531, 13581, 7047, 0, 6, 13, 71, 1415, 30998, 74106, 0, 7, 33, 103, 746, 136, 6422, 52485, 0, 8, 21, 84, 1016, 3633, 7498, 4121, 12316, 0, 9, 69, 512, 15659, 0, 5, 120, 1413, 6348, 33292, 20927, 0, 7, 29, 481, 2421, 8163, 0, 6, 42, 727, 14394, 91137, 0, 6, 6, 1, 62, 2168, 2582, 35424, 0, 8, 41, 940, 8016, 22394, 0, 6, 13, 62, 13, 2, 243, 7483, 130342, 0, 9, 47, 131, 8280, 0, 5, 47, 5, 2, 13, 15, 119, 5454, 41509, 0, 10, 337, 2203, 40793, 0, 5, 13, 12, 112, 725, 145, 1945, 1651, 63887, 0, 10, 15, 21, 87, 412, 6317, 30053, 0, 8, 53, 806, 10425, 32503, 0, 6, 53, 6, 2, 39, 838, 9885, 54287, 0, 9, 53, 9, 2, 9, 2, 2, 1, 81, 657, 919, 35132, 0, 13, 45, 163, 843, 12927, 136473, 0, 7, 108, 676, 10249, 0, 5, 58, 379, 3164, 27811, 0, 6, 38, 239, 11695, 0, 5, 11, 221, 6459, 0, 5, 5, 1, 36, 424, 296, 9936, 7836, 0, 9, 46, 1003, 291, 5819, 78440, 0, 7, 37, 823, 11867, 90398, 0, 6, 32, 316, 6313, 67968, 0, 6, 6, 1, 28, 470, 393, 1312, 3680, 8405, 56487, 0, 11, 43, 315, 970, 4805, 805, 37687, 0, 8, 103, 204, 3751, 0, 5, 51, 287, 4702, 70061, 0, 6, 29, 187, 1840, 18176, 27527, 69388, 0, 8, 19, 243, 166, 239, 78, 748, 7528, 85829, 0, 10, 140, 7670, 0, 4, 351, 7462, 39706, 0, 5, 33, 243, 19, 21, 151, 8048, 0, 8, 27, 738, 20523, 0, 5, 13, 127, 4772, 0, 5, 5, 1, 75, 1530, 3987, 0, 7, 94, 6355, 74558, 0, 5, 11, 77, 866, 27532, 0, 6, 63, 439, 2272, 95468, 0, 6, 6, 1, 24, 348, 6578, 65303, 0, 8, 42, 258, 864, 19014, 80544, 0, 7, 32, 120, 279, 4600, 30544, 0, 7, 7, 1, 22, 554, 5880, 8892, 130323, 0, 9, 149, 3891, 79333, 0, 5, 48, 695, 5222, 36942, 0, 6, 41, 278, 1486, 39207, 0, 6, 6, 1, 26, 722, 15637, 0, 7, 32, 40, 1163, 12966, 6632, 0, 7, 7, 1, 14, 498, 859, 18042, 0, 8, 62, 299, 9540, 50103, 0, 6, 27, 110, 1382, 3190, 147308, 0, 7, 20, 585, 1976, 10900, 19065, 0, 7, 7, 1, 28, 189, 2039, 3302, 35717, 0, 9, 68, 1298, 7286, 122965, 0, 6, 29, 174, 1745, 1596, 35136, 0, 7, 21, 151, 151, 1, 24, 114, 624, 1799, 12769, 0, 11, 134, 6128, 34223, 23120, 0, 6, 24, 13, 159, 1944, 80946, 0, 7, 24, 7, 2, 301, 6986, 73384, 0, 8, 74, 2305, 7759, 43247, 0, 6, 21, 38, 288, 7983, 2788, 36643, 0, 8, 14, 94, 176, 5549, 110984, 0, 7, 27, 89, 1871, 6512, 122811, 0, 7, 7, 1, 58, 317, 14528, 0, 7, 6, 30, 717, 7707, 63339, 0, 7, 7, 1, 14, 30, 9, 92, 2046, 20275, 49545, 0, 11, 74, 53, 366, 3179, 21494, 0, 7, 17, 816, 1173, 30879, 0, 6, 30, 21, 61, 910, 28536, 0, 7, 13, 87, 407, 4005, 8036, 112772, 0, 8, 67, 1176, 4636, 0, 5, 194, 1768, 25164, 5893, 86198, 0, 7, 20, 154, 1924, 32877, 0, 6, 33, 285, 2774, 18966, 0, 6, 6, 1, 63, 257, 2294, 18055, 39222, 0, 9, 67, 33, 16, 1615, 15728, 0, 7, 28, 173, 3058, 0, 5, 40, 214, 12075, 7067, 2556, 8342, 90175, 0, 9, 21, 68, 181, 4166, 123290, 0, 7, 21, 7, 2, 150, 1905, 21366, 0, 8, 69, 562, 14815, 0, 5, 29, 194, 70, 1149, 6813, 22715, 0, 8, 13, 90, 1087, 3759, 17738, 0, 7, 26, 264, 5979, 126569, 0, 6, 70, 19, 361, 3892, 94541, 0, 7, 13, 20, 91, 1611, 32522, 0, 7, 7, 1, 85, 694, 5516, 110853, 0, 8, 35, 837, 5726, 74015, 0, 6, 28, 83, 2710, 2257, 15615, 90364, 0, 8, 14, 168, 6244, 0, 5, 62, 291, 478, 18306, 0, 6, 19, 46, 486, 11654, 29750, 61420, 0, 8, 19, 8, 2, 89, 212, 9053, 0, 8, 6, 17, 180, 1990, 23886, 0, 7, 55, 3363, 52731, 0, 5, 34, 975, 16671, 17576, 0, 6, 17, 17, 1, 68, 124, 4907, 56618, 0, 9, 131, 630, 15914, 0, 5, 20, 87, 198, 1946, 23754, 122414, 0, 8, 40, 153, 5637, 32165, 29790, 0, 7, 40, 7, 2, 55, 43, 522, 13056, 8331, 0, 10, 491, 6619, 0, 4, 491, 4, 2, 14, 91, 119, 660, 17237, 0, 10, 14, 7, 24, 320, 3546, 109283, 0, 8, 39, 636, 1661, 1669, 11958, 0, 7, 13, 142, 1020, 25721, 0, 6, 74, 278, 433, 2781, 64261, 0, 7, 13, 13, 1, 81, 646, 2182, 115363, 0, 9, 81, 6, 18, 863, 3055, 79243, 0, 8, 37, 610, 5547, 46926, 0, 6, 12, 705, 14358, 0, 5, 95, 1121, 8596, 0, 5, 5, 1, 32, 462, 12501, 123667, 0, 8, 24, 67, 266, 3703, 6309, 125011, 0, 8, 8, 1, 16, 273, 3011, 3505, 31398, 0, 9, 43, 4104, 11973, 0, 5, 29, 246, 3970, 12192, 0, 6, 46, 183, 2546, 0, 5, 11, 360, 1382, 480, 3408, 55751, 0, 8, 32, 47, 781, 13876, 0, 6, 19, 195, 1119, 1522, 29075, 63085, 0, 8, 14, 124, 174, 474, 14079, 0, 7, 103, 665, 26947, 0, 5, 34, 195, 20, 177, 1032, 23341, 0, 8, 20, 6, 30, 390, 3310, 27607, 74093, 0, 9, 67, 83, 259, 3835, 52454, 0, 7, 29, 69, 321, 1560, 10888, 0, 7, 7, 1, 90, 315, 711, 2239, 26531, 0, 9, 23, 1360, 105692, 0, 5, 45, 790, 2476, 16089, 8996, 53971, 0, 8, 45, 8, 2, 199, 982, 9664, 22328, 103983, 0, 10, 199, 7, 33, 396, 4945, 10304, 0, 8, 16, 128, 5418, 36630, 0, 6, 67, 60, 1874, 2292, 41629, 84195, 0, 8, 14, 97, 1442, 27768, 0, 6, 14, 6, 2, 38, 533, 9235, 0, 8, 14, 8, 2, 8, 2, 2, 1, 73, 1635, 7238, 90780, 0, 13, 218, 3099, 29296, 0, 5, 72, 1756, 5936, 66832, 0, 6, 30, 113, 2755, 26498, 5245, 0, 7, 65, 1473, 13488, 45147, 0, 6, 13, 25, 1211, 41567, 0, 6, 6, 1, 38, 50, 1162, 18256, 78114, 56896, 0, 10, 89, 364, 6868, 0, 5, 40, 317, 573, 31758, 0, 6, 20, 155, 1114, 17423, 0, 6, 6, 1, 27, 596, 13547, 17342, 0, 8, 74, 292, 2483, 1687, 82510, 0, 7, 54, 1419, 2390, 18024, 0, 6, 20, 27, 20, 2, 89, 42, 777, 8301, 91259, 0, 11, 234, 5156, 118865, 0, 5, 49, 256, 3250, 23871, 0, 6, 22, 778, 10833, 77764, 0, 6, 6, 1, 49, 14, 122, 1135, 59431, 0, 9, 187, 885, 9963, 78838, 0, 6, 14, 12, 319, 3228, 112653, 0, 7, 56, 3534, 129446, 0, 5, 39, 373, 2497, 10204, 0, 6, 18, 348, 839, 14693, 0, 6, 6, 1, 39, 14, 27, 70, 532, 3093, 6171, 0, 11, 67, 191, 15015, 0, 5, 28, 515, 5767, 57155, 0, 6, 21, 583, 10332, 0, 5, 11, 17, 473, 3047, 7241, 140032, 0, 8, 115, 4755, 8170, 119011, 0, 6, 19, 318, 1365, 9673, 0, 6, 6, 1, 47, 331, 2263, 21355, 0, 8, 20, 120, 887, 9568, 47341, 0, 7, 79, 1468, 12961, 0, 5, 40, 167, 2213, 42146, 0, 6, 25, 193, 4339, 34314, 0, 6, 6, 1, 32, 364, 186, 3658, 123727, 0, 9, 118, 3474, 91059, 0, 5, 26, 626, 6391, 0, 5, 5, 1, 19, 59, 2195, 68659, 0, 8, 51, 1028, 19826, 16151, 0, 6, 32, 31, 1413, 1223, 44534, 18444, 0, 8, 14, 117, 1937, 34940, 15645, 0, 7, 65, 254, 1613, 19911, 0, 6, 21, 111, 1471, 58768, 0, 6, 6, 1, 41, 946, 6105, 45231, 72263, 0, 9, 60, 327, 5595, 12592, 0, 6, 14, 34, 412, 1191, 36676, 0, 7, 34, 6, 9, 16, 350, 5000, 2575, 12408, 66004, 0, 11, 144, 5041, 22323, 0, 5, 78, 1081, 7363, 73945, 0, 6, 20, 128, 369, 1343, 5181, 70829, 0, 8, 71, 1329, 7151, 0, 5, 19, 96, 2553, 61971, 0, 6, 19, 6, 2, 268, 3866, 6412, 0, 8, 19, 8, 2, 8, 2, 2, 1, 76, 1381, 32202, 0, 12, 244, 1538, 9007, 28050, 23084, 0, 7, 68, 672, 2447, 77697, 0, 6, 31, 122, 271, 1764, 7372, 56172, 0, 8, 29, 476, 6604, 32112, 0, 6, 14, 95, 587, 2731, 35093, 0, 7, 27, 252, 3703, 579, 5146, 28687, 0, 8, 21, 131, 702, 13598, 51663, 0, 7, 15, 1309, 84241, 4257, 72474, 0, 7, 7, 1, 63, 876, 20875, 0, 7, 6, 37, 634, 9188, 0, 6, 5, 96, 95, 43, 707, 2548, 53953, 0, 9, 136, 1429, 8362, 76577, 0, 6, 15, 35, 812, 51333, 0, 6, 6, 1, 34, 153, 738, 1196, 47483, 0, 9, 21, 57, 1506, 4732, 61687, 0, 7, 43, 34, 15, 24, 655, 5402, 41793, 0, 9, 16, 173, 919, 1345, 39411, 0, 7, 16, 7, 2, 131, 82, 2177, 21620, 89257, 0, 10, 459, 19593, 0, 4, 759, 10302, 133476, 0, 5, 71, 172, 4047, 110776, 0, 6, 56, 386, 4083, 21730, 0, 6, 6, 1, 63, 97, 549, 12946, 98499, 0, 9, 47, 335, 5800, 10060, 104254, 0, 7, 45, 595, 12432, 92542, 0, 6, 21, 76, 181, 965, 9270, 21352, 0, 8, 141, 5892, 37477, 0, 5, 47, 26, 318, 370, 3224, 50554, 0, 8, 13, 539, 2440, 33223, 0, 6, 27, 168, 915, 14885, 0, 6, 6, 1, 55, 846, 5265, 113283, 0, 8, 20, 255, 7340, 137790, 0, 6, 13, 26, 34, 117, 326, 2891, 6647, 15535, 0, 10, 100, 4081, 66772, 9800, 106259, 0, 7, 70, 456, 6171, 455, 12000, 0, 7, 7, 1, 38, 583, 448, 33384, 23930, 108192, 0, 10, 24, 147, 2170, 65896, 0, 6, 40, 417, 4431, 21480, 0, 6, 6, 1, 22, 537, 4318, 22628, 0, 8, 60, 350, 334, 2972, 14563, 77051, 0, 8, 8, 1, 16, 164, 3589, 7222, 9588, 0, 9, 131, 168, 91, 916, 2556, 1092, 12210, 0, 9, 9, 1, 18, 532, 521, 2902, 109377, 0, 9, 8, 27, 110, 1305, 71891, 0, 7, 71, 177, 795, 13616, 0, 6, 55, 114, 1277, 24523, 0, 6, 6, 1, 28, 538, 15063, 67110, 0, 8, 26, 115, 526, 5215, 77060, 0, 7, 27, 33, 760, 5101, 37268, 0, 7, 7, 1, 22, 84, 1700, 7286, 1325, 2691, 29374, 0, 11, 413, 3869, 5761, 33460, 0, 6, 38, 121, 4624, 109103, 0, 6, 6, 1, 23, 816, 1242, 3782, 12099, 0, 9, 73, 757, 8243, 0, 5, 201, 2350, 26869, 0, 5, 5, 1, 19, 408, 18213, 0, 7, 48, 1434, 9671, 0, 5, 11, 44, 2302, 4283, 5431, 112904, 0, 8, 76, 238, 3010, 61666, 0, 6, 44, 13, 199, 838, 1665, 104148, 0, 8, 14, 401, 24501, 0, 5, 27, 88, 1878, 73929, 0, 6, 19, 43, 334, 163, 1665, 19, 5, 13, 25, 596, 755, 3173, 2762, 44519, 0, 16, 168, 161, 10681, 0, 5, 14, 32, 571, 3094, 70957, 0, 7, 66, 3001, 62481, 0, 5, 12, 473, 666, 5379, 62201, 0, 7, 12, 7, 2, 357, 10820, 97727, 0, 8, 59, 608, 6619, 1117, 8330, 127674, 0, 8, 8, 1, 101, 4707, 68496, 0, 7, 21, 327, 576, 6738, 61967, 0, 7, 7, 1, 14, 51, 628, 3133, 96052, 0, 9, 134, 1464, 11929, 139602, 0, 6, 85, 1257, 8809, 29199, 0, 6, 6, 1, 21, 30, 889, 18730, 0, 8, 42, 822, 20618, 0, 5, 71, 225, 10813, 72153, 0, 6, 18, 245, 7139, 98064, 0, 6, 6, 1, 25, 110, 245, 9, 43, 121, 192, 4816, 56159, 0, 13, 121, 6, 14, 59, 84, 217, 5736, 58453, 0, 10, 322, 13940, 0, 4, 446, 15208, 31786, 52544, 0, 6, 18, 39, 809, 2905, 62269, 0, 7,

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2 85, 71, 53, 1468, 757, 214, 1398, 7278, 109080, 0, 11, 199, 184, 2347, 19464, 0, 6, 24, 356, 20384, 48689, 0, 6, 6, 1, 63, 465, 6901, 0, 7, 30, 92, 1504, 5801, 9781, 102246, 0, 8, 95, 562, 1408, 40733, 0, 6, 20, 423, 5525, 99876, 0, 6, 6, 1, 27, 214, 48, 248, 2846, 0, 9, 93, 2224, 22048, 0, 5, 116, 4281, 0, 4, 81, 1241, 4792, 6724, 77460, 0, 7, 45, 501, 2150, 12727, 0, 6, 30, 51, 165, 5763, 71485, 0, 7, 13, 116, 25, 128, 724, 3031, 121417, 0, 9, 38, 323, 5037, 7091, 97141, 0, 7, 16, 245, 141, 518, 13119, 86365, 0, 8, 74, 1009, 2271, 35679, 0, 6, 37, 649, 11691, 0, 5, 59, 147, 462, 1271, 15234, 111386, 0, 8, 19, 282, 2229, 0, 5, 13, 48, 83, 1194, 22069, 79972, 0, 8, 13, 8, 2, 260, 11385, 0, 7, 47, 558, 4882, 17742, 0, 6, 39, 163, 311, 2234, 55899, 0, 7, 13, 20, 121, 193, 910, 1619, 23249, 25678, 0, 10, 191, 979, 28421, 0, 5, 43, 213, 4737, 49122, 0, 6, 28, 448, 531, 2244, 7566, 46494, 0, 8, 47, 42, 251, 9592, 32065, 0, 7, 36, 1989, 2333, 7859, 37379, 0, 7, 7, 1, 157, 2915, 53888, 0, 7, 6, 30, 134, 293, 8783, 47684, 0, 8, 29, 796, 5770, 46254, 0, 6, 13, 64, 2951, 36829, 0, 6, 6, 1, 27, 184, 225, 289, 4195, 12796, 0, 10, 70, 600, 3830, 20066, 0, 6, 15, 737, 5069, 8331, 1480, 4260, 109052, 0, 9, 162, 6057, 123067, 0, 5, 85, 264, 1614, 17651, 31662, 0, 7, 57, 766, 6652, 28657, 103692, 0, 7, 7, 1, 44, 455, 634, 812, 792, 2846, 229, 11018, 0, 12, 405, 7756, 33887, 27886, 0, 6, 46, 1409, 9380, 21674, 0, 6, 6, 1, 24, 287, 2043, 61301, 40377, 0, 9, 52, 2981, 13296, 136466, 0, 6, 14, 342, 8023, 38956, 0, 6, 6, 1, 21, 388, 4894, 0, 7, 51, 248, 276, 15911, 0, 6, 12, 47, 144, 983, 3863, 19107, 0, 8, 122, 925, 4359, 5369, 52016, 0, 7, 21, 26, 609, 3261, 2359, 29772, 0, 8, 15, 109, 4468, 0, 5, 100, 727, 2278, 68701, 0, 6, 34, 741, 13840, 113776, 0, 6, 6, 1, 53, 376, 4190, 111647, 0, 8, 25, 294, 3340, 32102, 0, 6, 13, 162, 132, 3176, 90591, 0, 7, 46, 101, 496, 4229, 46240, 0, 7, 7, 1, 28, 221, 2202, 24779, 0, 8, 28, 6, 24, 110, 452, 15584, 114781, 0, 9, 110, 6, 9, 3, 2970, 12334, 26204, 0, 9, 6, 8, 20, 267, 4056, 64592, 0, 8, 6, 8, 2, 294, 56, 890, 14420, 0, 9, 17, 1236, 38012, 0, 5, 88, 613, 26942, 0, 5, 5, 1, 53, 81, 392, 3429, 7563, 105662, 0, 10, 223, 13453, 117786, 0, 5, 14, 155, 1383, 4109, 107179, 0, 7, 74, 367, 5456, 81503, 0, 6, 46, 88, 34, 117, 858, 3514, 6021, 58014, 0, 10, 28, 83, 358, 3598, 8724, 20405, 0, 8, 63, 478, 1805, 27141, 116771, 0, 7, 31, 1092, 808, 6855, 90232, 0, 7, 7, 1, 60, 838, 692, 20329, 22090, 0, 9, 79, 1281, 15058, 0, 5, 59, 408, 730, 9019, 43232, 0, 7, 20, 106, 2761, 12879, 112205, 0, 7, 7, 1, 28, 52, 237, 7497, 0, 8, 50, 1482, 55204, 0, 5, 27, 322, 576, 651, 9998, 96795, 0, 8, 13, 176, 2071, 5450, 98421, 0, 7, 27, 15, 215, 4087, 22953, 0, 7, 7, 1, 35, 1092, 72, 1541, 7104, 43732, 0, 10, 95, 552, 7658, 91357, 0, 6, 111, 1279, 2761, 58, 2089, 47659, 0, 8, 38, 507, 13844, 62134, 0, 6, 14, 138, 3442, 39239, 0, 6, 6, 1, 36, 418, 6455, 7392, 95363, 0, 9, 99, 4775, 0, 4, 561, 10371, 0, 4, 4, 1, 17, 188, 7314, 0, 7, 59, 109, 281, 3370, 71270, 0, 7, 7, 1, 14, 39, 493, 15038, 0, 8, 51, 325, 3325, 13308, 78341, 0, 7, 14, 13, 97, 1103, 7951, 29724, 0, 8, 15, 96, 1196, 1172, 27619, 0, 7, 15, 7, 2, 239, 2402, 25633, 0, 8, 15, 8, 2, 8, 2, 2, 1, 43, 513, 12566, 17007, 0, 13, 34, 211, 4341, 94204, 0, 6, 87, 1952, 10096, 58679, 0, 6, 6, 1, 20, 174, 1797, 6062, 5940, 59441, 0, 10, 130, 6808, 65641, 0, 5, 167, 1474, 7145, 0, 5, 5, 1, 20, 20, 1, 3, 311, 577, 31445, 0, 11, 730, 208, 2935, 18369, 0, 6, 36, 129, 3969, 20092, 0, 6, 6, 1, 20, 22, 997, 3606, 139781, 0, 9, 137, 5674, 4702, 2501, 5960, 106932, 0, 8, 81, 310, 19098, 0, 5, 44, 495, 15426, 52936, 0, 6, 27, 208, 40, 1116, 7350, 89207, 0, 8, 19, 658, 4885, 94022, 0, 6, 14, 133, 5861, 103034, 0, 6, 6, 1, 48, 666, 925, 460, 8759, 0, 9, 48, 7, 133, 16, 709, 9509, 0, 8, 29, 596, 966, 10280, 0, 6, 22, 68, 1413, 1529, 22618, 0, 7, 19, 42, 638, 19919, 0, 6, 13, 140, 2553, 1458, 39404, 0, 7, 13, 7, 2, 156, 3703, 1407, 8475, 24188, 0, 10, 134, 638, 22, 32, 991, 11414, 0, 8, 44, 87, 159, 2397, 3627, 20243, 0, 8, 8, 1, 69, 1921, 99462, 0, 7, 31, 367, 398, 13804, 12717, 0, 7, 7, 1, 14, 91, 1187, 12915, 0, 8, 21, 541, 7830, 108578, 0, 6, 61, 2350, 1104, 16143, 21216, 0, 7, 20, 150, 2281, 67993, 0, 6, 13, 67, 1718, 15022, 41378, 0, 7, 13, 7, 2, 74, 442, 3236, 3738, 11348, 94341, 0, 11, 188, 293, 713, 5467, 22069, 793, 7079, 42875, 0, 10, 85, 675, 4475, 0, 5, 169, 3512, 101937, 0, 5, 5, 1, 65, 1641, 27140, 65391, 0, 8, 65, 6, 48, 149, 2593, 77781, 65749, 11415, 34191, 0, 11, 39, 318, 1374, 7201, 84446, 0, 7, 55, 1246, 33186, 0, 5, 30, 765, 17779, 15954, 0, 6, 27, 205, 8408, 49052, 0, 6, 6, 1, 43, 302, 9782, 12753, 62660, 0, 9, 191, 827, 16888, 119804, 0, 6, 14, 121, 842, 9744, 85700, 0, 7, 39, 46, 530, 14865, 0, 6, 13, 102, 3054, 32051, 0, 6, 6, 1, 34, 330, 4382, 50476, 0, 8, 77, 2709, 43279, 52161, 0, 6, 13, 20, 136, 1559, 40934, 62948, 0, 8, 14, 41, 1725, 20075, 85734, 0, 7, 41, 6, 17, 422, 6173, 105203, 0, 8, 15, 378, 12270, 0, 5, 88, 582, 8418, 11333, 0, 6, 17, 17, 1, 49, 1931, 53668, 0, 8, 19, 251, 888, 20543, 27948, 26125, 0, 8, 8, 1, 15, 29, 275, 7251, 0, 8, 7, 44, 237, 551, 22452, 0, 7, 6, 32, 249, 4523, 39855, 19142, 0, 8, 15, 21, 222, 5839, 27372, 0, 7, 15, 7, 2, 202, 4659, 36188, 88282, 0, 9, 128, 1038, 5920, 47935, 0, 6, 29, 42, 304, 16039, 0, 6, 6, 1, 51, 488, 7648, 108756, 0, 8, 36, 402, 11965, 25019, 0, 6, 13, 115, 1412, 35632, 19585, 0, 7, 40, 379, 2969, 98887, 0, 6, 13, 13, 1, 28, 624, 2718, 14585, 0, 9, 48, 218, 2140, 15711, 0, 6, 15, 63, 681, 42667, 0, 6, 6, 1, 20, 150, 286, 8547, 49337, 0, 9, 21, 84, 1222, 16898, 0, 6, 14, 156, 358, 709, 393, 2967, 10481, 136559, 0, 10, 275, 120, 1976, 2795, 115459, 0, 7, 59, 581, 9781, 1189, 39042, 0, 7, 7, 1, 39, 216, 8728, 0, 7, 6, 32, 130, 517, 9839, 136439, 0, 8, 94, 2748, 39487, 0, 5, 180, 2527, 30685, 78656, 0, 6, 18, 1261, 16461, 10911, 11971, 10711, 0, 8, 19, 180, 15, 81, 495, 490, 7809, 0, 9, 73, 1482, 718, 13822, 0, 6, 23, 1495, 18220, 0, 5, 34, 254, 1972, 30281, 0, 6, 11, 321, 2337, 4270, 0, 6, 6, 1, 66, 1424, 37886, 0, 7, 66, 5, 21, 105, 3370, 662, 4187, 5025, 59628, 0, 11, 23, 35, 731, 11337, 0, 6, 23, 6, 2, 198, 2568, 15181, 0, 8, 64, 1097, 30367, 117886, 0, 6, 12, 996, 5346, 7731, 0, 6, 6, 1, 44, 241, 8003, 8045, 50221, 0, 9, 76, 1528, 11848, 0, 5, 49, 275, 139, 4110, 79856, 0, 7, 58, 760, 1608, 100074, 0, 6, 26, 1013, 31944, 0, 5, 18, 116, 1282, 10441, 25598, 0, 7, 18, 7, 2, 59, 159, 517, 144, 1045, 7672, 19821, 104696, 0, 13, 220, 3760, 23258, 109727, 0, 6, 31, 519, 5972, 20108, 0, 6, 6, 1, 64, 78, 2045, 9094, 87469, 0, 9, 64, 7, 34, 131, 1716, 17714, 14549, 0, 9, 9, 1, 18, 45, 1348, 32631, 0, 8, 102, 407, 2874, 21760, 19321, 131510, 0, 8, 8, 1, 16, 625, 15449, 0, 7, 30, 463, 3476, 25001, 35456, 0, 7, 7, 1, 14, 248, 1122, 11048, 68964, 0, 9, 38, 855, 4652, 15187, 0, 6, 62, 2768, 8771, 24535, 26500, 106945, 0, 8, 36, 324, 4298, 17821, 19086, 43182, 0, 8, 8, 1, 31, 87, 621, 17963, 0, 8, 7, 39, 260, 1344, 38814, 0, 7, 6, 32, 261, 5102, 0, 6, 5, 133, 691, 6314, 47350, 54597, 0, 8, 21, 207, 7586, 58522, 0, 6, 14, 64, 106, 979, 1344, 28, 350, 1840, 3254, 66163, 0, 12, 195, 2601, 91329, 0, 5, 30, 90, 2575, 2185, 35851, 0, 7, 44, 200, 4074, 38496, 0, 6, 30, 13, 158, 3812, 9307, 126194, 0, 8, 44, 14, 39, 66, 256, 2425, 84129, 0, 9, 104, 5179, 8464, 27394, 0, 6, 23, 251, 487, 13131, 0, 6, 6, 1, 94, 334, 1732, 15711, 400, 17802, 0, 10, 371, 16737, 42482, 0, 5, 57, 1319, 26502, 92015, 0, 6, 20, 405, 1307, 115628, 0, 6, 6, 1, 27, 618, 11157, 128055, 0, 8, 56, 1168, 11780, 98407, 0, 6, 13, 69, 745, 13310, 0, 6, 6, 1, 20, 28, 104, 63, 443, 14762, 0, 10, 47, 1295, 47272, 0, 5, 47, 5, 2, 260, 149, 681, 457, 5606, 128022, 0, 11, 336, 11185, 32178, 0, 5, 14, 98, 3677, 76245, 0, 6, 36, 186, 2394, 18645, 0, 6, 6, 1, 43, 673, 20982, 0, 7, 132, 1280, 13086, 0, 5, 24, 1263, 16496, 131791, 0, 6, 17, 608, 1791, 13204, 20059, 11942, 0, 8, 81, 426, 3700, 5334, 19647, 60121, 0, 8, 8, 1, 34, 288, 3214, 7283, 0, 8, 7, 36, 49, 357, 1823, 6002, 94619, 0, 9, 153, 2218, 17061, 0, 5, 44, 167, 997, 966, 904, 68959, 0, 8, 22, 873, 9759, 66203, 0, 6, 52, 1187, 848, 5508, 0, 6, 6, 1, 42, 607, 4863, 10904, 0, 8, 20, 125, 10924, 79036, 0, 6, 13, 139, 402, 607, 14, 106, 242, 3755, 69940, 0, 11, 118, 2495, 19246, 9987, 12470, 40722, 0, 8, 25, 1390, 22763, 0, 5, 58, 420, 5631, 82160, 0, 6, 30, 239, 1106, 8200, 0, 6, 6, 1, 50, 1240, 35721, 0, 7, 90, 264, 1534, 63190, 0, 6, 12, 277, 10161, 80867, 0, 6, 6, 1, 19, 550, 4163, 53668, 736, 8535, 0, 10, 188, 891, 38619, 0, 5, 46, 810, 5193, 78292, 0, 6, 20, 82, 2301, 55561, 0, 6, 6, 1, 27, 235, 6495, 0, 7, 46, 19, 33, 2095, 40713, 68433, 0, 8, 78, 447, 13405, 0, 5, 32, 360, 2965, 12646, 103435, 0, 7, 20, 33, 19, 21, 357, 158, 321, 581, 649, 1753, 9478, 0, 13, 121, 869, 5754, 0, 5, 25, 108, 3695, 54294, 0, 6, 50, 95, 1299, 17751, 0, 6, 6, 1, 57, 306, 4578, 0, 7, 37, 1783, 67534, 0, 5, 24, 229, 1621, 36408, 0, 6, 17, 229, 6, 3, 1180, 12930, 77244, 0, 9, 205, 934, 5007, 39945, 0, 6, 12, 123, 7269, 64154, 0, 6, 6, 1, 39, 379, 773, 7930, 0, 8, 89, 2821, 14712, 0, 5, 40, 784, 16633, 90322, 0, 6, 18, 530, 937, 15360, 0, 6, 6, 1, 25, 78, 109, 1321, 22418, 0, 9, 46, 123, 40, 23, 401, 2137, 7326, 0, 9, 9, 1, 18, 26, 614, 13683, 0, 8, 43, 317, 2901, 10025, 0, 6, 31, 507, 1386, 40785, 0, 6, 6, 1, 20, 134, 1145, 14588, 0, 8, 20, 6, 9, 30, 222, 893, 24107, 0, 9, 6, 8, 11, 250, 12755, 91395, 0, 8, 6, 8, 2, 384, 10436, 0, 7, 127, 3720, 5201, 71579, 0, 6, 12, 107, 4387, 75292, 0, 6, 6, 1, 44, 321, 173, 2523, 31001, 96934, 0, 10, 230, 4071, 63447, 0, 5, 109, 93, 1997, 4514, 50108, 0, 7, 34, 361, 3405, 65653, 0, 6, 27, 229, 156, 865, 5693, 37905, 95623, 0, 9, 64, 560, 5640, 33518, 57273, 0, 7, 22, 355, 5111, 0, 5, 34, 27, 22, 7, 9, 17, 182, 6253, 147360, 0, 11, 84, 901, 12188, 0, 5, 16, 667, 18920, 0, 5, 5, 1, 70, 1868, 46072, 0, 7, 24, 211, 1419, 3008, 20488, 0, 7, 7, 1, 14, 367, 1249, 9996, 16627, 0, 9, 39, 198, 813, 13966, 0, 6, 71, 2138, 103394, 0, 5, 33, 279, 3792, 33613, 0, 6, 11, 51, 1008, 37188, 0, 6, 6, 1, 32, 301, 3684, 95202, 0, 8, 141, 2058, 10027, 126339, 0, 6, 13, 294, 1730, 35769, 0, 6, 6, 1, 20, 174, 1466, 27052, 20854, 43520, 0, 10, 136, 1144, 18231, 0, 5, 47, 554, 3831, 80134, 0, 6, 20, 19, 332, 12719, 0, 6, 6, 1, 27, 115, 1050, 24981, 56479, 19991, 0, 10, 27, 8, 51, 64, 139, 461, 11237, 0, 9, 89, 281, 1581, 24260, 0, 6, 24, 111, 1633, 44769, 0, 6, 6, 1, 31, 246, 3355, 119895, 0, 8, 27, 29, 1108, 10724, 0, 6, 13, 78, 288, 548, 10585, 21069, 0, 8, 14, 130, 1020, 3451, 39814, 0, 7, 138, 1652, 73549, 0, 5, 77, 1234, 37407, 0, 5, 5, 1, 39, 142, 3470, 0, 7, 17, 186, 621, 797, 6926, 110445, 0, 8, 32, 130, 32, 2, 268, 2904, 136667, 0, 9, 75, 3983, 115668, 0, 5, 28, 677, 36871, 0, 5, 5, 1, 34, 220, 920, 4866, 0, 8, 27, 73,

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2 1045, 933, 9582, 0, 7, 42, 579, 2881, 23440, 116696, 0, 7, 7, 1, 22, 240, 5272, 16659, 0, 8, 22, 6, 91, 1452, 85312, 0, 7, 14, 88, 1277, 2615, 7991, 116162, 0, 8, 15, 1088, 28307, 0, 5, 49, 648, 33098, 72767, 0, 6, 24, 135, 4543, 0, 5, 11, 218, 1191, 3030, 71851, 0, 7, 31, 139, 159, 996, 1045, 62, 915, 2772, 8366, 66055, 0, 12, 352, 17009, 0, 4, 1757, 10650, 105588, 0, 5, 28, 94, 820, 15352, 0, 6, 39, 127, 375, 23458, 31891, 97812, 9233, 29562, 0, 10, 199, 2401, 46386, 0, 5, 21, 550, 605, 10029, 0, 6, 21, 6, 2, 134, 427, 10608, 0, 8, 79, 1905, 3806, 33724, 89969, 0, 7, 63, 811, 11564, 132224, 0, 6, 19, 246, 208, 1664, 16402, 0, 7, 13, 203, 9461, 53565, 0, 6, 13, 6, 2, 34, 151, 4011, 8656, 0, 9, 169, 1522, 3558, 34100, 0, 6, 13, 15, 121, 597, 26250, 0, 7, 28, 83, 1984, 8742, 97457, 0, 7, 7, 1, 157, 2279, 9464, 0, 7, 6, 22, 157, 7, 4, 107, 463, 1055, 5392, 132474, 0, 12, 118, 739, 15082, 28141, 0, 6, 17, 231, 6092, 24474, 126084, 0, 7, 21, 95, 630, 3773, 60194, 0, 7, 7, 1, 39, 125, 778, 3390, 34778, 0, 9, 68, 1709, 38458, 0, 5, 122, 2195, 3255, 14195, 26576, 86499, 0, 8, 116, 1176, 3986, 22784, 0, 6, 42, 231, 42, 2, 97, 1893, 27855, 0, 9, 28, 83, 83, 1, 39, 39, 1, 3, 654, 6719, 57185, 18238, 0, 14, 231, 22, 83, 14, 4, 83, 3, 13, 111, 355, 500, 18751, 44048, 0, 15, 117, 2103, 8228, 58673, 0, 6, 44, 555, 22391, 77685, 0, 6, 6, 1, 36, 897, 40656, 0, 7, 84, 510, 18168, 67257, 0, 6, 12, 112, 4480, 72566, 0, 6, 6, 1, 19, 180, 1362, 54389, 0, 8, 83, 49, 274, 8269, 101305, 0, 7, 27, 322, 2079, 60470, 0, 6, 20, 446, 2657, 12457, 88125, 0, 7, 13, 67, 1739, 5561, 18326, 58151, 0, 8, 28, 96, 1988, 11163, 122643, 0, 7, 15, 75, 369, 3299, 6825, 0, 7, 7, 1, 50, 786, 7420, 57774, 0, 8, 22, 103, 3760, 1291, 61189, 0, 7, 14, 108, 805, 4437, 62515, 0, 7, 7, 1, 22, 16, 592, 11479, 40166, 0, 9, 141, 539, 3102, 13302, 33721, 88745, 0, 8, 31, 336, 1064, 6079, 22400, 0, 7, 23, 748, 4439, 7066, 64054, 0, 7, 7, 1, 31, 16, 31, 2, 174, 552, 2141, 29449, 80749, 0, 13, 87, 1254, 20426, 99665, 0, 6, 101, 2346, 92082, 0, 5, 210, 8666, 58236, 0, 5, 5, 1, 29, 513, 2064, 6490, 17330, 97061, 0, 10, 352, 377, 5561, 113, 3717, 71277, 0, 8, 61, 1874, 3768, 62704, 0, 6, 34, 318, 1810, 12026, 21651, 39971, 0, 8, 14, 99, 2162, 75675, 0, 6, 14, 6, 2, 64, 579, 473, 2919, 5472, 43139, 0, 11, 434, 6004, 89312, 0, 5, 53, 2349, 31050, 0, 5, 5, 1, 59, 1435, 75178, 0, 7, 94, 423, 2776, 45179, 0, 6, 32, 536, 7029, 94978, 0, 6, 6, 1, 19, 210, 86, 5738, 6245, 0, 9, 138, 578, 5294, 11863, 129116, 0, 7, 28, 190, 5991, 146486, 0, 6, 21, 336, 143, 6746, 8230, 95508, 0, 8, 76, 1515, 31027, 0, 5, 53, 59, 53, 2, 76, 9, 32, 47, 683, 5326, 54122, 0, 13, 142, 604, 20236, 0, 5, 18, 907, 38996, 0, 5, 5, 1, 58, 1113, 13943, 83767, 0, 8, 36, 293, 1969, 13840, 2529, 45824, 0, 8, 8, 1, 16, 180, 284, 11063, 48454, 0, 9, 42, 360, 1058, 19552, 122503, 0, 7, 74, 2001, 21921, 102190, 0, 6, 74, 6, 2, 60, 2412, 66691, 0, 8, 29, 180, 28, 90, 1141, 20769, 0, 8, 8, 1, 38, 1487, 14649, 44070, 0, 8, 7, 31, 224, 6882, 28005, 0, 7, 6, 30, 953, 21908, 0, 6, 5, 75, 300, 5860, 0, 6, 6, 1, 27, 336, 119, 4190, 2596, 44622, 0, 10, 217, 3003, 139158, 0, 5, 20, 343, 7698, 0, 5, 5, 1, 20, 7, 36, 97, 439, 4666, 96482, 0, 11, 199, 590, 6099, 22440, 0, 6, 36, 13, 130, 721, 43046, 0, 7, 20, 22, 320, 4224, 0, 6, 13, 12, 103, 445, 8047, 19796, 0, 7, 13, 7, 2, 100, 2667, 100904, 0, 8, 84, 426, 1345, 3515, 6599, 28826, 63838, 0, 9, 130, 35, 1733, 5460, 38828, 0, 7, 22, 36, 45, 1631, 7958, 0, 7, 7, 1, 68, 527, 23589, 0, 7, 6, 46, 1100, 33047, 0, 6, 5, 81, 1382, 4180, 54373, 0, 7, 13, 51, 865, 1010, 24088, 108863, 0, 8, 51, 7, 10, 109, 1035, 5283, 88417, 0, 9, 51, 9, 2, 68, 38, 154, 4527, 35661, 0, 10, 16, 198, 973, 6083, 78361, 0, 7, 24, 750, 24453, 0, 5, 45, 64, 324, 1646, 49640, 0, 7, 12, 103, 445, 7547, 65054, 0, 7, 7, 1, 73, 818, 29572, 0, 7, 6, 68, 41, 2086, 18299, 0, 7, 7, 1, 14, 356, 3131, 5188, 34378, 40244, 0, 10, 50, 482, 21682, 0, 5, 43, 1177, 17340, 37472, 0, 6, 27, 194, 4532, 57918, 0, 6, 6, 1, 27, 8, 90, 238, 3358, 40964, 0, 10, 27, 8, 8, 1, 12, 62, 808, 2677, 83830, 0, 11, 192, 3226, 112791, 0, 5, 38, 99, 413, 3433, 31595, 109674, 0, 8, 21, 353, 7120, 129046, 0, 6, 39, 646, 4392, 103333, 0, 6, 6, 1, 34, 443, 1594, 28343, 0, 8, 20, 212, 4513, 106667, 0, 6, 13, 154, 133, 1732, 1657, 75728, 0, 8, 14, 93, 1186, 75200, 0, 6, 14, 6, 2, 151, 789, 10485, 141371, 0, 9, 158, 1387, 21494, 4721, 37452, 0, 7, 116, 716, 10086, 65725, 0, 6, 20, 42, 355, 686, 9063, 39266, 0, 8, 36, 224, 324, 159, 903, 25918, 0, 8, 8, 1, 66, 1730, 1116, 2505, 19045, 0, 9, 38, 95, 776, 29812, 86168, 0, 7, 38, 7, 2, 54, 4194, 79821, 0, 8, 23, 591, 11711, 0, 5, 115, 1108, 1071, 9123, 14012, 56099, 0, 8, 13, 89, 1101, 7562, 0, 6, 59, 460, 2523, 1285, 6101, 26959, 0, 8, 14, 89, 14, 2, 36, 63, 903, 61, 571, 3477, 138162, 0, 13, 26, 1370, 9214, 107527, 0, 6, 27, 172, 3809, 149972, 0, 6, 6, 1, 76, 492, 7050, 140193, 0, 8, 33, 1225, 11963, 70504, 0, 6, 13, 27, 21, 170, 6188, 39476, 0, 8, 14, 45, 266, 4524, 73227, 0, 7, 87, 652, 27337, 21112, 0, 6, 21, 19, 563, 23298, 0, 6, 6, 1, 41, 263, 6327, 41381, 0, 8, 27, 34, 190, 563, 15, 749, 23666, 0, 9, 125, 891, 1599, 72343, 0, 6, 22, 373, 4254, 94702, 0, 6, 6, 1, 29, 497, 10224, 0, 7, 48, 2261, 44959, 0, 5, 129, 2695, 71976, 0, 5, 5, 1, 17, 939, 19489, 69699, 0, 8, 46, 389, 11778, 0, 5, 12, 274, 830, 11382, 8864, 99761, 0, 8, 13, 94, 650, 25360, 31263, 0, 7, 38, 175, 5754, 1599, 58, 588, 21773, 0, 9, 66, 198, 379, 1551, 26298, 0, 7, 16, 386, 3940, 87126, 0, 6, 66, 13, 30, 540, 10125, 0, 7, 13, 6, 9, 23, 199, 507, 1519, 22417, 0, 10, 332, 1316, 19285, 0, 5, 59, 192, 327, 3614, 80590, 0, 7, 22, 102, 2100, 87474, 0, 6, 26, 184, 3297, 47567, 0, 6, 6, 1, 91, 1202, 15541, 20083, 0, 8, 78, 1298, 5112, 32523, 0, 6, 13, 48, 116, 292, 4452, 0, 7, 33, 191, 2560, 50055, 0, 6, 13, 13, 1, 28, 631, 19567, 0, 8, 27, 164, 3883, 99009, 0, 6, 14, 197, 8095, 71491, 0, 6, 6, 1, 19, 191, 28, 21, 195, 2064, 835, 5823, 43752, 0, 13, 31, 646, 386, 108, 914, 64769, 0, 8, 33, 47, 734, 5815, 58614, 43154, 0, 8, 8, 1, 29, 184, 84, 583, 3966, 0, 9, 116, 69, 2008, 34614, 0, 6, 43, 469, 7861, 0, 5, 115, 321, 1593, 20027, 79814, 0, 7, 82, 1810, 863, 4814, 30649, 116867, 0, 8, 34, 239, 1865, 22314, 0, 6, 26, 123, 1689, 65924, 0, 6, 6, 1, 47, 56, 2055, 44485, 0, 8, 20, 401, 1700, 3911, 53611, 0, 7, 35, 631, 108, 77, 1412, 2524, 26120, 0, 9, 62, 498, 5286, 10717, 0, 6, 29, 75, 727, 3329, 42075, 0, 7, 22, 172, 344, 9761, 73572, 0, 7, 7, 1, 44, 1111, 20182, 0, 7, 6, 22, 15, 301, 1557, 40166, 1108, 7457, 0, 10, 208, 1277, 1378, 18286, 0, 6, 15, 14, 150, 2539, 80744, 0, 7, 23, 228, 13054, 42538, 14275, 0, 7, 7, 1, 37, 1844, 18866, 0, 7, 6, 22, 37, 7, 4, 1174, 11680, 0, 9, 73, 625, 2321, 23770, 0, 6, 14, 35, 89, 430, 13910, 64368, 0, 8, 103, 647, 11408, 119079, 0, 6, 14, 14, 1, 37, 30, 283, 20518, 0, 9, 29, 96, 1130, 28111, 0, 6, 15, 65, 2838, 0, 5, 164, 224, 522, 5030, 53453, 0, 7, 52, 2071, 3239, 49379, 33689, 0, 7, 7, 1, 33, 208, 93, 575, 7233, 48897, 0, 10, 100, 792, 3540, 77570, 0, 6, 35, 63, 489, 25684, 0, 6, 6, 1, 22, 86, 1002, 13175, 0, 8, 70, 1731, 17304, 0, 5, 49, 1217, 29685, 0, 5, 5, 1, 18, 970, 5606, 2213, 4606, 78605, 0, 10, 40, 1894, 59630, 0, 5, 14, 88, 1524, 37555, 0, 6, 38, 398, 2996, 45185, 0, 6, 6, 1, 27, 308, 6812, 0, 7, 73, 128, 2759, 37665, 86714, 0, 7, 7, 1, 14, 28, 307, 6305, 0, 8, 59, 382, 11712, 27744, 0, 6, 27, 26, 253, 8301, 4788, 16080, 0, 8, 14, 20, 247, 6295, 36584, 0, 7, 28, 26, 15, 131, 2512, 9768, 119595, 0, 9, 144, 2549, 47938, 0, 5, 69, 312, 21544, 0, 5, 5, 1, 48, 390, 5008, 0, 7, 26, 25, 1990, 5229, 24811, 0, 7, 7, 1, 14, 42, 689, 9669, 0, 8, 48, 20, 48, 2, 628, 4050, 85915, 0, 9, 41, 569, 21085, 0, 5, 35, 149, 2338, 14121, 133583, 0, 7, 28, 62, 300, 1020, 1730, 701, 6080, 0, 9, 21, 403, 16381, 69424, 0, 6, 92, 3969, 3252, 14816, 14620, 0, 7, 22, 170, 630, 1489, 13938, 0, 7, 7, 1, 58, 536, 1190, 18652, 100633, 0, 9, 29, 235, 2184, 73030, 0, 6, 29, 6, 2, 64, 913, 18559, 10708, 39138, 0, 10, 176, 3472, 36019, 97705, 0, 6, 14, 87, 656, 13125, 0, 6, 6, 1, 37, 271, 4634, 139186, 0, 8, 95, 764, 6876, 55860, 0, 6, 13, 467, 11666, 33537, 0, 6, 6, 1, 20, 108, 395, 6556, 36258, 0, 9, 57, 2184, 56, 417, 4415, 129999, 0, 8, 29, 59, 187, 4937, 136739, 0, 7, 80, 6310, 24092, 0, 5, 122, 1561, 122452, 0, 5, 5, 1, 34, 457, 2465, 12701, 56585, 0, 9, 34, 7, 21, 122, 17, 668, 8960, 0, 9, 9, 1, 18, 270, 6666, 63261, 0, 8, 43, 501, 4056, 3699, 148718, 0, 7, 22, 131, 213, 3960, 30120, 99713, 0, 8, 15, 221, 3740, 23182, 0, 6, 80, 57, 73, 267, 3722, 87513, 0, 8, 14, 115, 526, 4417, 35485, 0, 7, 29, 79, 1737, 34609, 0, 6, 21, 57, 21, 2, 145, 6038, 0, 8, 21, 6, 10, 145, 7, 19, 598, 52637, 0, 10, 7, 6, 10, 3, 1612, 14469, 0, 8, 18, 74, 1272, 16039, 3064, 20366, 0, 8, 8, 1, 84, 590, 1207, 42570, 0, 8, 7, 24, 1103, 3552, 72581, 0, 7, 6, 30, 440, 6624, 41334, 102237, 0, 8, 15, 84, 22, 94, 763, 6585, 77054, 0, 9, 115, 78, 693, 8376, 86787, 0, 7, 24, 30, 24, 2, 73, 96, 462, 4127, 8913, 78057, 0, 12, 796, 4035, 87838, 0, 5, 157, 1768, 5697, 0, 5, 5, 1, 61, 927, 11274, 62724, 85651, 0, 9, 38, 403, 283, 495, 3014, 84007, 0, 8, 55, 3310, 5348, 19437, 61192, 0, 7, 46, 836, 7019, 66680, 0, 6, 75, 605, 1880, 19355, 0, 6, 6, 1, 36, 966, 2583, 44535, 0, 8, 27, 404, 12184, 0, 5, 48, 351, 6029, 66271, 0, 6, 18, 124, 5409, 7593, 131796, 0, 7, 38, 53, 1462, 7767, 70153, 0, 7, 7, 1, 33, 524, 17995, 12444, 0, 8, 33, 6, 24, 99, 1148, 7797, 44260, 0, 9, 77, 674, 10277, 0, 5, 42, 400, 2779, 13507, 0, 6, 18, 42, 7, 30, 121, 1895, 36823, 0, 9, 20, 301, 659, 7088, 0, 6, 15, 150, 650, 911, 16243, 0, 7, 19, 201, 4594, 33392, 0, 6, 13, 328, 6541, 22473, 48743, 0, 7, 13, 7, 2, 153, 2687, 25244, 0, 8, 63, 578, 1567, 23100, 54592, 0, 7, 13, 15, 36, 111, 1834, 51479, 0, 8, 15, 7, 10, 232, 10116, 71137, 0, 8, 8, 1, 94, 200, 2893, 32306, 0, 8, 7, 15, 17, 323, 4344, 93149, 0, 8, 8, 1, 16, 957, 7137, 62311, 9868, 0, 9, 82, 814, 8702, 38211, 0, 6, 69, 525, 10556, 0, 5, 108, 393, 3260, 62494, 0, 6, 11, 1280, 2801, 31301, 0, 6, 6, 1, 32, 1608, 3121, 8676, 0, 8, 39, 1274, 20510, 126212, 0, 6, 13, 78, 254, 3212, 83748, 0, 7, 60, 1569, 32618, 0, 5, 38, 175, 1029, 16311, 57759, 0, 7, 12, 255, 4891, 62344, 0, 6, 25, 568, 23881, 0, 5, 18, 158, 1268, 14561, 0, 6, 11, 56, 448, 4345, 11097, 117896, 0, 8, 50, 1381, 5137, 27786, 0, 6, 14, 383, 16330, 133371, 0, 6, 6, 1, 70, 708, 12625, 81124, 0, 8, 20, 183, 5670, 27025, 44277, 0, 7, 52, 758, 24067, 0, 5, 46, 277, 2765, 134553, 0, 6, 25, 57, 402, 2820, 62759, 0, 7, 18, 59, 494, 9833, 0, 6, 13, 95, 530, 2637, 47080, 0, 7, 13, 7, 2, 195, 1006, 19431, 0, 8, 46, 34, 490, 3338, 38731, 0, 7, 13, 15, 171, 10178, 0, 6, 28, 631, 939, 1167, 90512, 0, 7, 13, 13, 1, 75, 328, 233, 6898, 0, 9, 176, 593, 9557, 43999, 0, 6, 22, 406, 1616, 39324, 0, 6,

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2 6, 1, 20, 89, 880, 30812, 111661, 0, 9, 21, 472, 12033, 122350, 0, 6, 14, 116, 1036, 7067, 6053, 94534, 0, 8, 64, 635, 9791, 104909, 0, 6, 14, 14, 1, 30, 308, 794, 8979, 0, 9, 29, 515, 5483, 0, 5, 118, 2182, 5865, 79191, 0, 6, 20, 47, 1030, 6906, 0, 6, 6, 1, 25, 126, 7856, 44153, 0, 8, 40, 844, 7124, 107815, 0, 6, 13, 89, 67, 2064, 1123, 26475, 0, 8, 14, 47, 28, 107, 2226, 36782, 0, 8, 8, 1, 30, 55, 447, 2880, 11492, 15956, 122508, 0, 11, 210, 1905, 2309, 103953, 0, 6, 33, 401, 1076, 22627, 0, 6, 6, 1, 23, 1018, 1036, 95, 168, 4898, 28550, 0, 11, 23, 9, 83, 2135, 13667, 0, 7, 147, 4646, 43675, 0, 5, 88, 906, 6878, 22124, 0, 6, 28, 58, 766, 4511, 0, 6, 6, 1, 35, 811, 2351, 28015, 0, 8, 65, 1000, 26528, 0, 5, 25, 99, 453, 7297, 10240, 147114, 0, 8, 13, 95, 52, 246, 2366, 31182, 0, 8, 8, 1, 29, 136, 2633, 34477, 0, 8, 7, 55, 93, 1009, 4714, 107268, 0, 8, 8, 1, 16, 385, 6886, 0, 7, 14, 118, 153, 438, 15106, 0, 7, 7, 1, 14, 9, 85, 3911, 1178, 9669, 892, 37647, 0, 12, 345, 8006, 23275, 0, 5, 63, 455, 4583, 13542, 46915, 0, 7, 23, 107, 147, 102, 1345, 1836, 36947, 0, 9, 29, 61, 610, 6045, 72567, 0, 7, 16, 52, 77, 534, 11378, 0, 7, 7, 1, 47, 173, 2852, 10661, 8675, 8945, 0, 10, 477, 10297, 29865, 0, 5, 45, 1524, 1039, 7279, 125916, 0, 7, 21, 262, 8702, 459, 5381, 21417, 107375, 0, 9, 45, 16, 39, 439, 1930, 39367, 30907, 0, 9, 9, 1, 40, 228, 1199, 7188, 20551, 0, 9, 8, 110, 4522, 7798, 8050, 72827, 0, 8, 7, 36, 534, 63, 90, 1777, 41710, 0, 9, 17, 518, 4853, 87833, 0, 6, 177, 5241, 114155, 0, 5, 62, 984, 18231, 2784, 62966, 0, 7, 26, 1028, 5688, 64127, 0, 6, 18, 401, 237, 3885, 63205, 0, 7, 13, 182, 2896, 12212, 0, 6, 13, 6, 2, 401, 15, 389, 1544, 18550, 0, 10, 103, 1233, 34655, 0, 5, 41, 1038, 3882, 154250, 0, 6, 19, 630, 1009, 192, 1499, 30278, 112465, 0, 9, 67, 311, 4291, 29538, 0, 6, 15, 32, 552, 2302, 5222, 6662, 106340, 0, 9, 15, 9, 2, 45, 120, 3830, 4800, 78507, 0, 10, 45, 7, 63, 100, 1231, 53222, 0, 8, 109, 1969, 2160, 41204, 14054, 0, 7, 13, 70, 516, 11641, 0, 6, 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Van Eck Sequence

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Van Eck Sequence

2 22, 384, 2031, 40580, 5384, 16630, 0, 8, 67, 1297, 6542, 55282, 0, 6, 21, 233, 5387, 69186, 0, 6, 6, 1, 108, 1222, 12729, 139751, 0, 8, 20, 122, 1859, 741, 595, 938, 1807, 4302, 87169, 0, 11, 565, 1127, 43899, 0, 5, 81, 361, 4510, 45674, 0, 6, 29, 667, 3330, 112474, 6331, 155575, 0, 8, 30, 940, 15864, 96819, 0, 6, 14, 149, 4231, 88199, 0, 6, 6, 1, 50, 1034, 19148, 57457, 0, 8, 20, 50, 7, 81, 37, 1013, 12623, 0, 9, 100, 5077, 51391, 0, 5, 48, 346, 528, 7972, 33719, 0, 7, 18, 220, 490, 1085, 23168, 0, 7, 7, 1, 36, 815, 20166, 0, 7, 6, 43, 274, 8364, 31861, 0, 7, 7, 1, 14, 58, 537, 6571, 73654, 0, 9, 42, 1897, 28178, 0, 5, 42, 5, 2, 173, 5195, 99749, 0, 8, 64, 280, 3857, 130304, 0, 6, 34, 201, 1238, 34174, 0, 6, 6, 1, 34, 8, 16, 564, 639, 7577, 132320, 0, 11, 126, 1838, 47284, 0, 5, 34, 14, 49, 1079, 20868, 0, 7, 56, 807, 6043, 72260, 0, 6, 28, 371, 7791, 129710, 0, 6, 6, 1, 35, 230, 4515, 155320, 0, 8, 39, 971, 611, 1568, 24719, 0, 7, 27, 290, 4884, 150308, 0, 6, 20, 132, 5260, 99842, 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105166, 0, 9, 43, 302, 1190, 10974, 29078, 0, 7, 15, 60, 372, 1658, 32268, 100174, 0, 8, 38, 153, 1159, 9133, 37377, 0, 7, 15, 15, 1, 32, 164, 1682, 8159, 0, 9, 31, 60, 24, 663, 1957, 4933, 47678, 0, 9, 9, 1, 17, 2347, 2555, 5970, 0, 8, 33, 742, 6074, 90179, 0, 6, 84, 126, 884, 67622, 63075, 0, 7, 39, 760, 5078, 73707, 0, 6, 13, 284, 12148, 0, 5, 153, 56, 133, 1489, 11055, 0, 7, 18, 238, 1192, 20310, 18913, 0, 7, 7, 1, 46, 199, 4895, 52813, 0, 8, 46, 6, 29, 349, 2123, 36493, 0, 8, 8, 1, 16, 741, 1158, 21135, 0, 8, 7, 24, 78, 1535, 5889, 557, 591, 3165, 76687, 0, 11, 214, 8895, 0, 4, 1731, 11271, 84043, 30102, 0, 6, 35, 327, 3794, 51053, 0, 6, 6, 1, 35, 8, 31, 110, 5183, 0, 9, 105, 406, 606, 20440, 0, 6, 14, 342, 4021, 95567, 0, 6, 6, 1, 21, 305, 1828, 17602, 63876, 0, 9, 21, 7, 58, 385, 4748, 33795, 0, 8, 34, 359, 8490, 81658, 0, 6, 22, 188, 880, 10525, 0, 6, 6, 1, 29, 93, 1492, 19591, 0, 8, 20, 325, 7859, 14984, 0, 6, 13, 134, 7072, 0, 5, 134, 4, 83, 673, 13531, 0, 7, 44, 1688, 6367, 19210, 40225, 20354, 0, 8, 26, 1379, 1017, 5514, 51003, 0, 7, 15, 205, 7021, 66907, 0, 6, 33, 186, 458, 24184, 48047, 0, 7, 13, 40, 265, 6431, 122320, 0, 7, 7, 1, 61, 421, 1964, 7342, 30876, 0, 9, 90, 1085, 1240, 2675, 17499, 0, 7, 15, 36, 302, 265, 24, 157, 10996, 102423, 0, 10, 497, 2481, 138430, 0, 5, 73, 1042, 3029, 4099, 48052, 0, 7, 22, 105, 141, 6406, 116618, 0, 7, 7, 1, 45, 395, 11211, 0, 7, 6, 67, 772, 5061, 79363, 0, 7, 7, 1, 14, 157, 41, 467, 5716, 61897, 0, 10, 43, 317, 914, 11706, 119781, 0, 7, 16, 220, 1309, 15861, 19370, 0, 7, 7, 1, 24, 65, 861, 3846, 65906, 0, 9, 83, 132, 826, 37764, 81428, 0, 7, 15, 83, 8, 129, 673, 142, 1556, 51095, 0, 10, 40, 115, 2499, 38055, 0, 6, 62, 1649, 22668, 0, 5, 89, 2091, 44564, 0, 5, 5, 1, 42, 578, 9386, 41624, 0, 8, 31, 240, 532, 15663, 135988, 0, 7, 41, 77, 584, 2749, 122285, 0, 7, 7, 1, 22, 111, 2196, 57674, 0, 8, 22, 6, 42, 30, 1179, 23509, 45307, 0, 9, 72, 1913, 10239, 0, 5, 43, 100, 1415, 17363, 73694, 0, 7, 28, 896, 8398, 0, 5, 12, 534, 10468, 23863, 0, 6, 30, 29, 247, 3141, 29543, 0, 7, 18, 363, 3415, 75231, 0, 6, 13, 207, 1974, 30616, 0, 6, 6, 1, 59, 1175, 7568, 0, 7, 19, 528, 1053, 37592, 0, 6, 12, 38, 453, 9789, 55295, 0, 7, 13, 26, 254, 6152, 47689, 42979, 106204, 0, 9, 71, 535, 4680, 10210, 19996, 18202, 0, 8, 88, 2110, 6347, 1878, 15644, 0, 7, 24, 165, 936, 8792, 0, 6, 37, 743, 1071, 5050, 34041, 0, 7, 13, 37, 8, 23, 1358, 2770, 38652, 0, 9, 37, 8, 8, 1, 68, 1773, 21686, 0, 9, 9, 1, 7, 21, 365, 1237, 19289, 0, 9, 8, 16, 215, 2174, 24909, 110644, 0, 8, 7, 15, 200, 685, 1699, 21813, 96127, 0, 9, 17, 513, 12789, 0, 5, 131, 2072, 44305, 0, 5, 5, 1, 36, 302, 302, 1, 4, 364, 2182, 10875, 0, 12, 109, 4532, 12399, 143781, 0, 6, 79, 1740, 62612, 0, 5, 22, 185, 1191, 13210, 105753, 0, 7, 48, 1108, 12271, 0, 5, 12, 24, 103, 6038, 11415, 14630, 0, 8, 62, 245, 2763, 4292, 62490, 0, 7, 20, 420, 13826, 152119, 0, 6, 38, 153, 550, 1269, 39494, 0, 7, 13, 117, 1960, 24680, 0, 6, 13, 6, 2, 698, 1447, 1027, 50496, 0, 9, 88, 152, 1493, 8213, 22907, 102202, 0, 8, 43, 234, 807, 1559, 14601, 5890, 50884, 0, 9, 17, 105, 374, 25409, 0, 6, 30, 231, 1524, 1951, 50287, 0, 7, 45, 378, 4358, 0, 5, 78, 566, 5313, 27211, 61220, 0, 7, 12, 85, 830, 5777, 52126, 0, 7, 7, 1, 123, 1103, 1938, 26052, 0, 8, 49, 1015, 37517, 0, 5, 27, 993, 3502, 9278, 2428, 19070, 0, 8, 13, 79, 131, 155, 5426, 87770, 0, 8, 8, 1, 29, 287, 3551, 86999, 0, 8, 7, 37, 210, 3493, 27168, 0, 7, 6, 71, 254, 262, 10265, 0, 7, 7, 1, 22, 157, 436, 21230, 0, 8, 22, 6, 16, 214, 633, 3706, 86720, 0, 9, 100, 342, 608, 4529, 96876, 0, 7, 23, 253, 8200, 13971, 45591, 0, 7, 7, 1, 31, 395, 481, 8883, 57799, 0, 9, 23, 16, 31, 9, 4, 216, 3430, 1026, 107298, 0, 11, 673, 443, 4793, 95703, 0, 6, 47, 2111, 108828, 0, 5, 100, 45, 133, 733, 20106, 91151, 0, 8, 62, 205, 585, 9323, 0, 6, 19, 358, 14604, 0, 5, 19, 5, 2, 190, 1571, 9837, 97290, 0, 9, 46, 739, 13318, 0, 5, 12, 153, 217, 3207, 22167, 0, 7, 70, 1412, 12631, 0, 5, 12, 12, 1, 77, 464, 876, 2264, 9302, 0, 10, 503, 1631, 12796, 15611, 0, 6, 47, 66, 1219, 2123, 771, 7128, 142126, 0, 9, 42, 470, 3447, 28279, 0, 6, 15, 334, 3671, 3599, 64568, 0, 7, 43, 237, 2589, 57658, 0, 6, 13, 181, 1628, 36991, 0, 6, 6, 1, 49, 202, 2342, 29180, 0, 8, 95, 924, 36452, 77665, 0, 6, 13, 20, 300, 1174, 8361, 134636, 0, 8, 14, 613, 2860, 65162, 0, 6, 14, 6, 2, 104, 3855, 41342, 0, 8, 14, 8, 2, 8, 2, 2, 1, 41, 555, 2550, 44135, 0, 13, 34, 774, 10853, 46433, 0, 6, 25, 1313, 25639, 0, 5, 110, 818, 12816, 0, 5, 5, 1, 24, 366, 17423, 16867, 0, 8, 33, 739, 140, 7926, 21004, 5923, 0, 8, 8, 1, 16, 199, 895, 4249, 31278, 0, 9, 115, 632, 2574, 58385, 0, 6, 41, 53, 1341, 4609, 0, 6, 6, 1, 21, 472, 11341, 86644, 0, 8, 28, 586, 2499, 653, 20456, 0, 7, 129, 667, 2051, 53187, 0, 6, 20, 108, 2086, 4447, 8441, 0, 7, 13, 82, 1414, 35192, 131880, 0, 7, 7, 1, 35, 900, 20062, 0, 7, 6, 22, 294, 5658, 0, 6, 5, 85, 365, 519, 14646, 96206, 31488, 127920, 0, 10, 200, 512, 4612, 48347, 0, 6, 16, 83, 719, 1902, 18862, 0, 7, 29, 350, 1504, 16033, 66815, 0, 7, 7, 1, 43, 194, 1175, 627, 23348, 0, 9, 99, 2406, 4112, 31505, 0, 6, 29, 22, 51, 4806, 70965, 0, 7, 21, 98, 2299, 23770, 12333, 0, 7, 7, 1, 29, 16, 46, 280, 2055, 1309, 790, 2694, 68448, 0, 13, 91, 1865, 12461, 0, 5, 76, 1788, 40227, 0, 5, 5, 1, 23, 351, 1647, 22686, 0, 8, 130, 4014, 0, 4, 356, 7554, 95952, 0, 5, 16, 37, 420, 535, 668, 12024, 0, 8, 17, 497, 884, 1103, 465, 5314, 35724, 0, 9, 77, 313, 6608, 156602, 0, 6, 77, 6, 2, 233, 2244, 15978, 0, 8, 23, 46, 68, 658, 7935, 22565, 0, 8, 8, 1, 56, 1117, 16286, 0, 7, 85, 144, 1612, 11992, 0, 6, 27, 496, 4759, 3398, 30704, 0, 7, 13, 87, 1252, 27229, 0, 6, 13, 6, 2, 42, 342, 457, 12101, 0, 9, 57, 2801, 11739, 0, 5, 79, 514, 5349, 126327, 0, 6, 18, 792, 8666, 13476, 0, 6, 6, 1, 52,

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2 1471, 16915, 0, 7, 39, 1186, 12995, 106492, 0, 6, 12, 402, 4937, 12154, 30522, 127751, 0, 8, 72, 849, 19867, 0, 5, 38, 645, 3832, 0, 5, 5, 1, 31, 488, 15120, 61558, 0, 8, 18, 45, 474, 17354, 0, 6, 32, 1260, 43524, 0, 5, 18, 11, 498, 12595, 32037, 0, 7, 50, 1542, 18664, 0, 5, 12, 49, 401, 11295, 75208, 0, 7, 12, 7, 2, 95, 404, 7803, 59255, 0, 9, 95, 6, 35, 281, 1853, 111723, 0, 8, 47, 460, 4344, 4610, 18668, 0, 7, 22, 237, 445, 6550, 89158, 0, 7, 7, 1, 69, 3377, 70456, 0, 7, 6, 28, 338, 6331, 2380, 8321, 102036, 0, 9, 38, 90, 1100, 13280, 0, 6, 14, 426, 13316, 29710, 0, 6, 6, 1, 28, 22, 38, 16, 224, 10724, 5179, 14802, 0, 12, 70, 535, 229, 1590, 25897, 0, 7, 40, 1030, 11683, 128890, 0, 6, 24, 426, 31, 122, 2451, 8700, 120324, 0, 9, 46, 221, 10366, 0, 5, 105, 746, 18345, 0, 5, 5, 1, 44, 1201, 7286, 16644, 0, 8, 94, 3021, 10240, 11608, 0, 6, 33, 453, 958, 23499, 0, 6, 6, 1, 20, 411, 6152, 959, 43522, 0, 9, 39, 194, 359, 1267, 5633, 20977, 0, 8, 29, 338, 101, 1896, 73718, 0, 7, 69, 114, 4092, 151202, 0, 6, 29, 13, 249, 7596, 35948, 0, 7, 13, 6, 9, 31, 77, 301, 1480, 16211, 0, 10, 419, 8930, 0, 4, 339, 23434, 93092, 0, 5, 75, 2169, 78537, 0, 5, 5, 1, 61, 1245, 29017, 0, 7, 31, 28, 131, 787, 9750, 0, 7, 7, 1, 14, 147, 3512, 15556, 0, 8, 66, 648, 14148, 0, 5, 26, 1045, 14132, 0, 5, 5, 1, 18, 237, 194, 87, 321, 4037, 93802, 0, 11, 244, 9105, 122316, 0, 5, 15, 660, 11404, 0, 5, 5, 1, 21, 446, 3286, 163817, 0, 8, 39, 113, 1641, 15594, 0, 6, 89, 1192, 1480, 87, 33, 138, 3843, 34834, 0, 10, 91, 448, 3556, 0, 5, 28, 74, 3597, 57619, 0, 6, 21, 33, 18, 56, 394, 20629, 0, 8, 35, 269, 2875, 37783, 0, 6, 14, 86, 2859, 7404, 33949, 0, 7, 94, 182, 1897, 2558, 22715, 17956, 0, 8, 21, 29, 149, 2631, 3155, 74078, 0, 8, 8, 1, 72, 359, 178, 3449, 76468, 0, 9, 155, 911, 11340, 40614, 0, 6, 38, 261, 8297, 110439, 0, 6, 6, 1, 21, 31, 142, 1291, 13951, 0, 9, 21, 7, 48, 1055, 14141, 0, 7, 5, 81, 2659, 104251, 0, 6, 21, 13, 193, 7109, 10839, 61815, 0, 8, 50, 372, 1661, 17861, 46695, 0, 7, 21, 15, 136, 4449, 31075, 0, 7, 7, 1, 44, 271, 3258, 90360, 0, 8, 22, 320, 13665, 142148, 0, 6, 36, 1130, 12898, 0, 5, 46, 300, 787, 201, 2450, 37050, 0, 8, 19, 886, 47247, 0, 5, 13, 53, 719, 649, 6810, 43675, 11938, 31120, 0, 10, 155, 98, 623, 4922, 99434, 0, 7, 48, 82, 702, 17275, 0, 6, 41, 742, 1690, 80202, 0, 6, 6, 1, 61, 251, 2500, 98411, 0, 8, 42, 535, 372, 84, 1701, 79552, 0, 8, 8, 1, 16, 389, 3547, 49124, 0, 8, 7, 37, 619, 7168, 3115, 26277, 0, 8, 8, 1, 16, 16, 1, 3, 2559, 23120, 18311, 7530, 2310, 19763, 7499, 4198, 35308, 0, 17, 635, 7874, 0, 4, 314, 20273, 85757, 0, 5, 87, 239, 2084, 42931, 0, 6, 63, 2419, 41513, 0, 5, 11, 278, 6195, 31919, 0, 6, 11, 6, 2, 510, 2927, 85929, 0, 8, 50, 158, 3627, 15953, 0, 6, 12, 454, 4062, 37599, 0, 6, 6, 1, 60, 1809, 49699, 0, 7, 77, 373, 2570, 49641, 0, 6, 12, 19, 143, 2224, 7965, 63004, 51428, 0, 9, 213, 1971, 34558, 0, 5, 53, 150, 2270, 31456, 0, 6, 20, 438, 5465, 115510, 0, 6, 6, 1, 39, 326, 5352, 86461, 0, 8, 59, 1430, 20575, 0, 5, 25, 936, 1392, 6624, 12659, 37140, 0, 8, 13, 184, 2420, 45383, 0, 6, 26, 385, 1736, 23863, 1476, 35245, 0, 8, 14, 318, 3395, 5429, 90109, 0, 7, 74, 344, 6511, 72840, 0, 6, 21, 250, 10692, 30428, 97552, 0, 7, 13, 34, 985, 22826, 0, 6, 13, 6, 2, 120, 3125, 42848, 0, 8, 34, 13, 9, 89, 390, 12996, 7506, 35274, 0, 10, 232, 3230, 9918, 57852, 0, 6, 22, 272, 6161, 67938, 0, 6, 6, 1, 91, 401, 668, 820, 5050, 1468, 16963, 0, 11, 160, 6952, 0, 4, 187, 5735, 58103, 0, 5, 98, 263, 2166, 8087, 0, 6, 25, 104, 1065, 8859, 0, 6, 6, 1, 32, 718, 11705, 75862, 0, 8, 62, 1196, 8994, 78199, 0, 6, 13, 67, 1715, 25580, 89065, 0, 7, 89, 72, 403, 11442, 59095, 0, 7, 7, 1, 28, 456, 10226, 0, 7, 6, 22, 74, 118, 4128, 19182, 42701, 0, 9, 95, 727, 2210, 31579, 0, 6, 14, 138, 487, 6298, 65354, 0, 7, 22, 21, 133, 1253, 27053, 0, 7, 7, 1, 36, 370, 5753, 0, 7, 6, 22, 15, 397, 10221, 2545, 96676, 0, 9, 36, 14, 31, 441, 7326, 15102, 0, 8, 80, 2205, 11724, 0, 5, 105, 687, 40118, 0, 5, 5, 1, 34, 154, 8030, 81643, 0, 8, 18, 524, 3487, 5119, 28574, 0, 7, 42, 362, 20393, 117126, 0, 6, 47, 794, 11028, 36883, 0, 6, 6, 1, 27, 927, 10563, 49912, 0, 8, 27, 6, 9, 56, 553, 9318, 8421, 0, 9, 6, 8, 11, 166, 5650, 36041, 0, 8, 6, 8, 2, 212, 3534, 17978, 0, 8, 6, 8, 2, 8, 2, 2, 1, 38, 533, 10687, 75959, 0, 13, 156, 3388, 82751, 0, 5, 77, 331, 7056, 28174, 0, 6, 23, 1003, 18955, 69095, 0, 6, 6, 1, 25, 196, 3885, 4203, 134508, 0, 9, 55, 2746, 105680, 0, 5, 26, 298, 4589, 34358, 0, 6, 19, 356, 1066, 27185, 0, 6, 6, 1, 26, 14, 136, 541, 6485, 4610, 893, 15204, 0, 12, 374, 1565, 64605, 0, 5, 29, 621, 3557, 22162, 95836, 0, 7, 125, 4789, 94670, 0, 5, 12, 18, 138, 194, 718, 244, 713, 16309, 135285, 0, 11, 109, 1678, 9775, 69162, 0, 6, 45, 981, 47345, 0, 5, 22, 193, 604, 4133, 60760, 0, 7, 34, 172, 2367, 54828, 0, 6, 18, 34, 7, 9, 85, 1088, 14921, 6582, 62662, 0, 11, 35, 701, 7375, 43911, 0, 6, 17, 504, 6026, 80946, 18820, 0, 7, 21, 244, 55, 107, 3474, 18025, 0, 8, 148, 2640, 29675, 0, 5, 50, 489, 4188, 53325, 0, 6, 26, 105, 229, 942, 19295, 9642, 0, 8, 19, 121, 5359, 0, 5, 19, 5, 2, 173, 3084, 80526, 0, 8, 13, 172, 70, 965, 10256, 58328, 0, 8, 8, 1, 136, 134, 2148, 51834, 0, 8, 7, 57, 1137, 10442, 21149, 0, 7, 6, 45, 106, 2906, 59947, 0, 7, 7, 1, 22, 109, 121, 46, 676, 3097, 7621, 0, 11, 94, 782, 7682, 0, 5, 52, 1147, 24501, 17546, 0, 6, 28, 364, 1824, 5444, 71420, 0, 7, 28, 7, 2, 67, 389, 643, 5594, 41077, 0, 10, 455, 4845, 51762, 0, 5, 28, 15, 344, 498, 1128, 50822, 0, 8, 66, 910, 7091, 17317, 107545, 0, 7, 28, 15, 15, 1, 61, 690, 4008, 136524, 0, 10, 30, 1776, 47137, 0, 5, 30, 5, 2, 45, 83, 1384, 49061, 0, 9, 173, 118, 418, 2686, 7627, 132165, 0, 8, 39, 584, 2075, 34238, 0, 6, 75, 982, 18478, 0, 5, 26, 153, 1637, 3738, 16544, 6388, 50556, 0, 9, 28, 52, 96, 3179, 5503, 117739, 0, 8, 28, 8, 2, 45, 45, 1, 62, 489, 182, 897, 14885, 17882, 0, 14, 287, 1782, 6621, 47709, 0, 6, 42, 398, 9301, 4076, 113924, 0, 7, 87, 717, 7011, 41816, 0, 6, 13, 182, 26, 52, 43, 1447, 1892, 93076, 0, 10, 93, 2345, 41746, 27633, 0, 6, 16, 762, 4390, 163004, 0, 6, 6, 1, 51, 1452, 15200, 0, 7, 35, 264, 4569, 138236, 0, 6, 12, 316, 2826, 2898, 33131, 0, 7, 13, 42, 56, 432, 8912, 30309, 0, 8, 81, 919, 11202, 0, 5, 105, 257, 5503, 94, 199, 1600, 12266, 0, 9, 105, 9, 2, 97, 4556, 0, 7, 29, 364, 201, 893, 376, 3690, 130301, 0, 9, 14, 100, 1801, 20978, 47593, 11033, 35602, 0, 9, 9, 1, 67, 211, 3847, 41244, 0, 8, 47, 502, 3409, 6115, 146350, 0, 7, 33, 1047, 56614, 9593, 26837, 56148, 0, 8, 15, 203, 5349, 1409, 17333, 0, 7, 15, 7, 2, 55, 342, 1430, 762, 108, 1627, 48574, 0, 12, 95, 611, 3542, 42123, 0, 6, 102, 3254, 16129, 0, 5, 87, 148, 357, 3905, 33300, 0, 7, 28, 182, 149, 1064, 8046, 21728, 0, 8, 45, 186, 2448, 73672, 0, 6, 26, 161, 3299, 15012, 0, 6, 6, 1, 80, 607, 15929, 11693, 0, 8, 20, 830, 2016, 36218, 0, 6, 13, 141, 2421, 19618, 0, 6, 6, 1, 20, 14, 112, 5331, 160943, 0, 9, 108, 72, 701, 434, 10516, 135600, 0, 8, 29, 135, 5087, 12582, 40600, 0, 7, 64, 3680, 19486, 0, 5, 76, 1616, 10476, 94312, 0, 6, 34, 469, 6580, 46509, 0, 6, 6, 1, 41, 1019, 42265, 0, 7, 24, 1369, 29809, 0, 5, 24, 5, 2, 123, 2076, 72266, 0, 8, 44, 1090, 42190, 0, 5, 11, 397, 706, 8946, 0, 6, 30, 339, 1304, 5256, 129115, 0, 7, 31, 710, 11816, 65827, 0, 6, 13, 91, 829, 10746, 0, 6, 6, 1, 50, 491, 9420, 116151, 0, 8, 38, 647, 14030, 99421, 0, 6, 13, 20, 104, 825, 37959, 0, 7, 33, 197, 10855, 67320, 0, 6, 13, 13, 1, 28, 161, 147, 1327, 87824, 0, 10, 307, 2965, 15974, 0, 5, 67, 231, 2181, 103287, 0, 6, 21, 550, 2231, 75754, 67062, 0, 7, 34, 111, 2463, 67413, 0, 6, 13, 33, 41, 111, 8, 58, 2702, 100084, 0, 10, 34, 16, 336, 3116, 41866, 0, 7, 23, 700, 10308, 85944, 0, 6, 23, 6, 2, 122, 1496, 34310, 0, 8, 26, 209, 8313, 86382, 0, 6, 12, 248, 3033, 30984, 104354, 0, 7, 27, 776, 3218, 141874, 0, 6, 13, 50, 110, 1958, 11833, 61354, 0, 8, 27, 14, 208, 7384, 76411, 0, 7, 21, 78, 2254, 4162, 21131, 0, 7, 7, 1, 105, 351, 1806, 22829, 0, 8, 22, 571, 9424, 118848, 0, 6, 36, 871, 10323, 75894, 33500, 0, 7, 20, 139, 7977, 10551, 57224, 0, 7, 7, 1, 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7906, 0, 5, 114, 1729, 24854, 0, 5, 5, 1, 59, 1307, 9197, 56441, 0, 8, 27, 177, 8134, 118831, 0, 6, 32, 31, 413, 3390, 15668, 23072, 0, 8, 14, 64, 170, 3867, 7522, 22377, 0, 8, 8, 1, 30, 437, 4480, 15597, 36393, 114270, 0, 10, 137, 8801, 33653, 43995, 0, 6, 32, 32, 1, 17, 59, 48, 94, 117, 2615, 15888, 143465, 0, 13, 333, 5862, 99650, 0, 5, 63, 168, 6971, 0, 5, 5, 1, 22, 316, 702, 1530, 19940, 145651, 0, 10, 39, 806, 20107, 0, 5, 14, 62, 119, 4693, 9186, 93135, 0, 8, 61, 847, 3343, 29274, 0, 6, 52, 761, 7351, 135116, 0, 6, 6, 1, 35, 743, 2793, 71167, 0, 8, 20, 344, 885, 123, 536, 4044, 117620, 0, 9, 131, 1810, 14660, 91823, 59685, 0, 7, 172, 975, 12632, 57182, 0, 6, 29, 265, 3059, 52386, 0, 6, 6, 1, 36, 381, 3438, 20737, 100879, 0, 9, 28, 268, 6031, 0, 5, 70, 1000, 13540, 99869, 0, 6, 19, 1016, 9180, 26185, 0, 6, 6, 1, 26, 273, 362, 1246, 5544, 30447, 0, 10, 97, 266, 7029, 15531, 22650, 45505, 0, 8, 72, 378, 2702, 505, 4755, 6146, 60811, 0, 9, 44, 609, 3986, 15827, 0, 6, 32, 152, 2747, 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2 8, 8, 1, 25, 41, 19, 199, 107, 435, 28539, 98883, 0, 12, 654, 15978, 2382, 61605, 0, 6, 108, 841, 8183, 158747, 0, 6, 6, 1, 24, 48, 331, 1396, 71341, 0, 9, 49, 562, 6303, 108565, 0, 6, 14, 87, 919, 1011, 40630, 0, 7, 78, 660, 2051, 2575, 17050, 97803, 0, 8, 53, 1734, 26135, 137835, 0, 6, 21, 116, 4031, 54370, 0, 6, 6, 1, 42, 505, 237, 2088, 97353, 0, 9, 42, 7, 31, 150, 1757, 9662, 94720, 0, 9, 9, 1, 18, 1353, 37376, 54639, 0, 8, 38, 825, 817, 46281, 0, 6, 31, 21, 39, 376, 1047, 1018, 9627, 110169, 0, 10, 287, 1148, 14296, 26277, 1884, 42015, 88700, 0, 9, 32, 273, 304, 12251, 67909, 0, 7, 47, 173, 1215, 58432, 0, 6, 32, 13, 428, 10643, 26283, 27363, 0, 8, 46, 1306, 23152, 108139, 0, 6, 14, 105, 751, 4795, 123661, 0, 7, 27, 498, 1278, 22366, 65266, 0, 7, 7, 1, 74, 1668, 22593, 90987, 0, 8, 28, 372, 1959, 28279, 2837, 29853, 81136, 0, 9, 58, 850, 37116, 0, 5, 259, 5083, 48829, 0, 5, 5, 1, 27, 36, 401, 1763, 68308, 0, 9, 19, 190, 2914, 95016, 0, 6, 56, 1177, 7468, 61896, 0, 6, 6, 1, 21, 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133, 425, 11074, 8920, 26294, 0, 10, 179, 839, 11682, 0, 5, 45, 578, 4679, 114996, 0, 6, 67, 365, 4009, 72456, 0, 6, 6, 1, 27, 126, 2045, 18654, 0, 8, 34, 465, 3914, 68768, 0, 6, 13, 94, 478, 8985, 29798, 0, 7, 63, 1832, 27197, 0, 5, 38, 390, 1128, 2673, 42364, 0, 7, 12, 96, 2614, 22900, 0, 6, 25, 477, 6926, 17813, 0, 6, 6, 1, 45, 59, 1873, 38807, 0, 8, 45, 6, 9, 221, 3719, 68884, 0, 8, 8, 1, 16, 88, 1252, 3921, 124672, 0, 9, 14, 141, 2428, 44429, 30379, 0, 7, 44, 169, 981, 2883, 40711, 0, 7, 7, 1, 23, 286, 13518, 0, 7, 6, 37, 566, 4480, 1935, 96249, 0, 8, 37, 7, 10, 119, 533, 3002, 110227, 0, 9, 38, 82, 1101, 16842, 0, 6, 22, 509, 1156, 26775, 0, 6, 6, 1, 36, 1454, 152687, 0, 7, 26, 544, 12724, 13494, 0, 6, 12, 100, 2594, 94501, 0, 6, 6, 1, 19, 241, 9253, 124190, 0, 8, 48, 548, 469, 2465, 16097, 0, 7, 27, 152, 1227, 23370, 0, 6, 20, 232, 3270, 55923, 0, 6, 6, 1, 27, 14, 99, 1007, 43218, 0, 9, 67, 181, 4347, 157812, 0, 6, 14, 12, 49, 478, 168, 1995, 30435, 28842, 58204, 0, 11, 305, 5097, 0, 4, 3278, 39492, 0, 4, 4, 1, 34, 194, 3022, 37600, 0, 8, 61, 651, 19704, 0, 5, 187, 3295, 53446, 90889, 0, 6, 38, 111, 413, 637, 7970, 0, 7, 72, 1917, 70626, 0, 5, 18, 577, 15084, 0, 5, 5, 1, 36, 116, 309, 9225, 115761, 0, 9, 70, 1065, 1046, 25921, 145028, 0, 7, 26, 125, 308, 1097, 18984, 0, 7, 7, 1, 23, 175, 7300, 115379, 0, 8, 59, 219, 1063, 10814, 72143, 29238, 0, 8, 8, 1, 16, 214, 1522, 17868, 0, 8, 7, 24, 390, 258, 436, 983, 9926, 106734, 0, 10, 191, 6924, 62360, 0, 5, 61, 90, 4008, 2928, 49138, 0, 7, 21, 538, 20624, 0, 5, 12, 128, 6198, 64515, 0, 6, 97, 605, 5853, 33718, 0, 6, 6, 1, 47, 1386, 8374, 153940, 0, 8, 47, 6, 9, 88, 269, 867, 27640, 0, 9, 6, 8, 11, 150, 832, 1524, 4742, 123439, 0, 10, 56, 474, 4135, 151203, 0, 6, 15, 765, 11230, 0, 5, 50, 835, 16823, 13928, 115646, 0, 7, 62, 690, 2997, 126629, 0, 6, 18, 142, 3797, 29698, 0, 6, 6, 1, 57, 438, 3575, 45289, 0, 8, 46, 665, 21522, 0, 5, 32, 675, 6594, 166321, 0, 6, 18, 25, 360, 12409, 6062, 19743, 0, 8, 19, 265, 2147, 33308, 56828, 0, 7, 46, 26, 162, 1097, 161, 2032, 11362, 22525, 7916, 55512, 0, 12, 114, 1521, 80020, 0, 5, 38, 211, 753, 27917, 0, 6, 38, 6, 2, 633, 4750, 123109, 0, 8, 38, 8, 2, 8, 2, 2, 1, 70, 206, 1754, 63482, 0, 13, 442, 12198, 105027, 0, 5, 32, 70, 12, 40, 4144, 26250, 18047, 62431, 0, 10, 123, 1167, 12298, 0, 5, 15, 122, 1233, 15528, 9492, 0, 7, 71, 4813, 93168, 0, 5, 12, 25, 91, 2757, 77527, 0, 7, 12, 7, 2, 49, 316, 1010, 17475, 54361, 0, 10, 34, 304, 1492, 850, 1853, 4254, 17140, 37704, 0, 10, 10, 1, 67, 343, 14912, 0, 7, 25, 33, 643, 3184, 68855, 0, 7, 7, 1, 14, 351, 2658, 9349, 76797, 0, 9, 200, 4545, 154853, 0, 5, 55, 2196, 5212, 25323, 0, 6, 112, 1459, 853, 12911, 104827, 0, 7, 26, 143, 3770, 135648, 0, 6, 13, 107, 2078, 89305, 0, 6, 6, 1, 39, 1991, 74421, 0, 7, 19, 170, 749, 17219, 27092, 0, 7, 7, 1, 14, 53, 2052, 70619, 0, 8, 143, 33, 68, 4477, 118190, 0, 7, 14, 13, 36, 362, 2306, 31477, 0, 8, 15, 129, 4656, 11999, 45331, 0, 7, 15, 7, 2, 117, 727, 3637, 1744, 9252, 11959, 0, 11, 282, 10679, 0, 4, 427, 12333, 4589, 3491, 12651, 94663, 0, 8, 30, 1140, 1636, 13169, 11625, 27803, 0, 8, 8, 1, 61, 348, 1943, 39996, 0, 8, 7, 38, 209, 1354, 30137, 0, 7, 6, 90, 361, 6078, 43851, 0, 7, 7, 1, 22, 554, 18533, 78321, 0, 8, 22, 6, 16, 399, 6333, 56929, 0, 8, 8, 1, 16, 8, 3, 3971, 1521, 262, 5016, 24135, 0, 12, 197, 728, 31800, 0, 5, 155, 4040, 48613, 0, 5, 5, 1, 22, 32, 245, 5165, 157486, 0, 9, 174, 1983, 139081, 0, 5, 13, 119, 617, 9526, 107703, 0, 7, 58, 2070, 11683, 4404, 15541, 17242, 0, 8, 47, 403, 3776, 37063, 0, 6, 63, 718, 3558, 12002, 0, 6, 6, 1, 41, 1802, 33442, 0, 7, 27, 584, 3354, 26481, 0, 6, 12, 65, 838, 20296, 58985, 39360, 0, 8, 33, 174, 54, 1517, 7879, 0, 7, 21, 468, 24863, 11943, 0, 6, 21, 6,

2 2, 166, 867, 448, 4279, 92221, 0, 10, 272, 3891, 22478, 0, 5, 76, 3117, 83754, 0, 5, 5, 1, 54, 33, 36, 203, 1753, 11834, 56008, 0, 11, 186, 3193, 26315, 0, 5, 15, 202, 4979, 8715, 162510, 0, 7, 49, 323, 6190, 0, 5, 12, 69, 1597, 11843, 102947, 0, 7, 12, 7, 2, 55, 293, 6716, 60750, 11900, 0, 10, 55, 7, 10, 3, 161, 431, 992, 34615, 24375, 0, 11, 45, 802, 31181, 0, 5, 33, 58, 136, 1069, 10079, 10501, 0, 8, 102, 3272, 100519, 0, 5, 13, 155, 175, 613, 5019, 49275, 0, 8, 13, 8, 2, 47, 151, 1899, 52554, 0, 9, 177, 1691, 52393, 0, 5, 22, 189, 13726, 0, 5, 5, 1, 101, 951, 31543, 0, 7, 61, 261, 4340, 31930, 0, 6, 132, 1078, 54877, 0, 5, 17, 1443, 1334, 75228, 74419, 0, 7, 18, 527, 17920, 0, 5, 12, 96, 897, 3497, 164509, 0, 7, 12, 7, 2, 56, 591, 5891, 52327, 0, 9, 56, 6, 35, 2553, 20166, 6990, 47778, 119135, 0, 10, 109, 1758, 24997, 0, 5, 31, 1002, 1319, 6386, 86948, 0, 7, 29, 1198, 14083, 76730, 0, 6, 26, 417, 12145, 122103, 0, 6, 6, 1, 80, 3352, 86295, 0, 7, 19, 411, 4619, 24869, 0, 6, 12, 56, 48, 848, 9047, 0, 7, 13, 119, 282, 378, 2046, 22532, 0, 8, 125, 755, 21211, 91183, 0, 6, 21, 235, 10899, 75753, 0, 6, 6, 1, 40, 557, 2548, 2312, 1572, 47744, 0, 10, 74, 1388, 68670, 0, 5, 74, 5, 2, 98, 4115, 31395, 0, 8, 35, 95, 3454, 102991, 6265, 112855, 0, 8, 8, 1, 31, 92, 3053, 77899, 0, 8, 7, 60, 1129, 36018, 0, 6, 44, 988, 45134, 0, 5, 33, 210, 5406, 43458, 0, 6, 11, 222, 1336, 58997, 0, 6, 6, 1, 31, 31, 1, 3, 240, 5772, 82374, 0, 11, 16, 409, 1704, 13499, 0, 6, 16, 6, 2, 64, 2954, 0, 7, 46, 693, 6656, 58999, 0, 6, 11, 20, 953, 7572, 158269, 0, 7, 13, 119, 119, 1, 36, 320, 4498, 131042, 0, 10, 99, 959, 4759, 4994, 111817, 0, 7, 17, 218, 8366, 18811, 39804, 40737, 65985, 0, 9, 199, 2660, 92148, 0, 5, 80, 168, 966, 13031, 106998, 0, 7, 21, 143, 567, 27438, 0, 6, 51, 1198, 195, 8021, 123104, 0, 7, 13, 51, 8, 114, 748, 18511, 112809, 0, 9, 34, 673, 5452, 88594, 0, 6, 22, 290, 1516, 1874, 18471, 0, 7, 22, 7, 2, 93, 1829, 97410, 0, 8, 27, 448, 417, 227, 1360, 22293, 107852, 0, 9, 30, 573, 1907, 16030, 40170, 0, 7, 22, 24, 933, 18956, 0, 6, 37, 1123, 16562, 0, 5, 77, 1745, 22841, 120456, 0, 6, 11, 121, 1802, 487, 4249, 5317, 0, 8, 41, 494, 16714, 37059, 0, 6, 14, 649, 1617, 63167, 0, 6, 6, 1, 132, 342, 3674, 34324, 0, 8, 20, 148, 1367, 2229, 21187, 0, 7, 52, 2388, 52816, 0, 5, 46, 167, 8374, 949, 14547, 26868, 0, 8, 20, 20, 1, 29, 316, 785, 12643, 125729, 0, 10, 162, 876, 1967, 13683, 6811, 0, 7, 30, 89, 4343, 14374, 0, 6, 50, 944, 8646, 67944, 0, 6, 6, 1, 28, 1803, 33387, 0, 7, 19, 330, 10780, 0, 5, 49, 500, 1354, 669, 2438, 8526, 0, 8, 49, 8, 2, 138, 1670, 11403, 37132, 0, 9, 130, 2621, 8349, 0, 5, 22, 128, 1034, 7423, 34372, 0, 7, 34, 172, 3099, 22370, 0, 6, 46, 84, 4669, 15167, 65109, 0, 7, 13, 194, 1162, 22350, 0, 6, 13, 6, 2, 40, 351, 841, 2876, 7921, 32003, 28609, 0, 12, 388, 2210, 4402, 0, 5, 43, 1812, 10989, 0, 5, 5, 1, 82, 1285, 18120, 74155, 0, 8, 68, 807, 5814, 41056, 0, 6, 34, 55, 563, 8270, 28893, 0, 7, 49, 83, 1798, 38502, 0, 6, 13, 49, 7, 9, 84, 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1828, 2020, 81713, 0, 7, 17, 507, 13, 226, 8028, 0, 7, 7, 1, 22, 89, 354, 9837, 5892, 22123, 25680, 0, 11, 205, 5913, 37727, 0, 5, 149, 2360, 11858, 9560, 0, 6, 53, 1086, 2247, 24058, 0, 6, 6, 1, 28, 368, 2889, 7259, 119841, 0, 9, 86, 1831, 45563, 0, 5, 26, 718, 953, 580, 3682, 58258, 0, 8, 107, 1136, 14023, 115677, 0, 6, 27, 506, 43828, 0, 5, 19, 106, 156, 4607, 14518, 0, 7, 67, 1200, 31530, 0, 5, 12, 111, 1504, 5716, 6479, 73438, 51476, 0, 9, 45, 162, 442, 1277, 18067, 0, 7, 21, 255, 132, 486, 15984, 0, 7, 7, 1, 68, 348, 1102, 29099, 0, 8, 54, 953, 61, 849, 5561, 19048, 28952, 0, 9, 31, 162, 31, 2, 394, 5248, 134490, 0, 9, 9, 1, 26, 82, 381, 199, 344, 2081, 15436, 0, 11, 122, 1305, 8212, 121707, 0, 6, 83, 375, 8772, 0, 5, 71, 1310, 29361, 0, 5, 5, 1, 27, 95, 758, 13468, 0, 8, 53, 135, 2775, 83325, 0, 6, 24, 596, 21051, 101695, 0, 6, 6, 1, 20, 303, 2683, 53220, 0, 8, 20, 6, 9, 57, 1449, 63425, 0, 8, 8, 1, 16, 399, 1161, 24203, 83736, 0, 9, 14, 290, 659, 17526, 0, 6, 21, 111, 127, 2393, 26927, 0, 7, 110, 4005, 23358, 0, 5, 62, 351, 489, 331, 2136, 51277, 0, 8, 34, 464, 6083, 18819, 92305, 0, 7, 20, 50, 574, 10983, 31260, 0, 7, 7, 1, 49, 455, 437, 3730, 45020, 0, 9, 49, 7, 10, 260, 20312, 56802, 0, 8, 31, 136, 1040, 8088, 0, 6, 57, 77, 681, 3002, 1806, 4035, 17709, 0, 9, 23, 290, 72, 1692, 27725, 0, 7, 28, 243, 16489, 0, 5, 66, 3538, 30459, 28929, 0, 6, 27, 133, 1959, 3288, 55666, 0, 7, 18, 1016, 3656, 11980, 106751, 0, 7, 7, 1, 64, 386, 2327, 97598, 0, 8, 55, 431, 1108, 6428, 63602, 0, 7, 14, 119, 843, 23838, 28860, 0, 7, 7, 1, 22, 320, 849, 217, 2369, 37687, 23780, 0, 11, 198, 11016, 109800, 0, 5, 58, 1125, 76415, 0, 5, 5, 1, 21, 143, 836, 8370, 99831, 0, 9, 84, 577, 1769, 15352, 19660, 15900, 0, 8, 52, 740, 13680, 150591, 0, 6, 80, 864, 23725, 0, 5, 27, 85, 392, 9309, 53609, 0, 7, 55, 70, 1564, 3687, 26214, 83493, 0, 8, 26, 260, 139, 2149, 25507, 0, 7, 15, 1226, 35282, 0, 5, 27, 27, 1, 56, 494, 808, 18918, 0, 9, 55, 29, 772, 3184, 1532, 10628, 3130, 52978, 0, 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36297, 88049, 0, 8, 46, 35, 70, 160, 3917, 102218, 0, 8, 8, 1, 23, 378, 1292, 4351, 96042, 0, 9, 71, 507, 658, 6186, 98256, 0, 7, 32, 1601, 9325, 93444, 0, 6, 37, 163, 4342, 46280, 0, 6, 6, 1, 28, 399, 485, 10387, 0, 8, 35, 43, 237, 3780, 17253, 0, 7, 27, 288, 730, 21652, 0, 6, 20, 464, 471, 14284, 0, 6, 6, 1, 27, 14, 387, 2661, 99107, 0, 9, 55, 231, 4575, 27176, 0, 6, 14, 12, 640, 15777, 0, 6, 6, 1, 21, 161, 1523, 39763, 0, 8, 48, 105, 3752, 111558, 0, 6, 13, 218, 1246, 4088, 68427, 0, 7, 54, 635, 926, 3419, 8990, 37823, 126449, 0, 9, 42, 249, 3173, 22601, 0, 6, 22, 127, 553, 2518, 41327, 29683, 110158, 0, 9, 15, 372, 3767, 146599, 0, 6, 15, 6, 2, 218, 39, 1852, 62002, 0, 9, 15, 9, 2, 9, 2, 2, 1, 65, 1011, 3914, 2427, 113096, 0, 14, 79, 322, 15518, 8028, 798, 9551, 10393, 95397, 60019, 0, 11, 197, 1759, 13873, 141413, 0, 6, 38, 258, 2174, 6986, 24042, 0, 7, 77, 558, 3402, 34050, 114153, 0, 7, 7, 1, 40, 1102, 726, 12999, 59339, 0, 9, 50, 604, 5281, 15078, 0, 6, 29, 250, 4140, 110781, 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0, 9, 16, 570, 30652, 58161, 0, 6, 31, 816, 8373, 148721, 0, 6, 6, 1, 29, 214, 2448, 5109, 111097, 0, 9, 21, 236, 1214, 30843, 0, 6, 14, 185, 4638, 7904, 37468, 0, 7, 101, 1843, 17532, 0, 5, 94, 2735, 10262, 0, 5, 5, 1, 32, 449, 8510, 98996, 0, 8, 61, 1007, 2593, 3390, 4624, 23047, 0, 8, 8, 1, 16, 62, 912, 28402, 0, 8, 7, 35, 452, 8507, 3759, 24193, 0, 8, 8, 1, 16, 16, 1, 3, 1705, 86038, 0, 10, 732, 16612, 52198, 37979, 0, 6, 65, 202, 1988, 20201, 102228, 0, 7, 30, 285, 8253, 36088, 0, 6, 13, 174, 2050, 30954, 0, 6, 6, 1, 32, 67, 645, 6625, 61717, 0, 9, 99, 1702, 13579, 152861, 0, 6, 14, 99, 7, 30, 30, 1, 19, 1132, 16218, 0, 11, 160, 561, 10728, 86841, 0, 6, 17, 335, 12446, 0, 5, 103, 3416, 43814, 0, 5, 5, 1, 23, 354, 1213, 11326, 58084, 0, 9, 42, 222, 1797, 22217, 122575, 0, 7, 40, 405, 11005, 0, 5, 20, 346, 3859, 90738, 0, 6, 37, 358, 7138, 39308, 0, 6, 6, 1, 33, 621, 5733, 46020, 0, 8, 117, 2289, 12736, 150368, 0, 6, 13, 95, 1110, 4926, 97147, 0, 7, 38, 289, 10860, 77329, 0, 6, 13, 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Van Eck Sequence

2 , 0, 5, 5, 1, 23, 216, 103, 225, 12804, 0, 9, 31, 372, 676, 5778, 42675, 0, 7, 117, 191, 2804, 25854, 0, 6, 53, 1295,
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Van Eck Sequence

2 4472, 117407, 0, 9, 71, 496, 6505, 70961, 0, 6, 58, 851, 7031, 145843, 0, 6, 6, 1, 21, 228, 573, 80, 1675, 35997, 0, 10, 57, 618, 12309, 138862, 0, 6, 15, 121, 432, 7911, 145615, 0, 7, 78, 418, 1815, 89289, 0, 6, 13, 86, 1480, 3832, 5822, 62069, 0, 8, 57, 27, 540, 2193, 75394, 0, 7, 21, 42, 634, 12453, 0, 6, 21, 6, 2, 107, 1191, 9927, 31864, 0, 9, 71, 71, 1, 60, 281, 1077, 59365, 0, 9, 9, 1, 8, 34, 529, 6699, 123622, 0, 9, 8, 7, 35, 149, 716, 1981, 13622, 31856, 0, 10, 77, 1285, 4090, 35414, 0, 6, 41, 1047, 1020, 19962, 0, 6, 6, 1, 31, 536, 7258, 2519, 31722, 0, 9, 31, 7, 31, 2, 59, 337, 17155, 51532, 0, 10, 31, 8, 42, 75, 420, 7596, 9121, 33643, 0, 10, 10, 1, 29, 213, 1335, 39376, 0, 8, 16, 155, 1515, 22728, 0, 6, 42, 22, 475, 6705, 96020, 0, 7, 39, 1727, 85118, 0, 5, 190, 3003, 22626, 0, 5, 5, 1, 31, 43, 338, 6084, 40462, 0, 9, 60, 106, 197, 3114, 106413, 0, 7, 26, 582, 24560, 0, 5, 20, 445, 9309, 3557, 8412, 106994, 0, 8, 52, 993, 3433, 3484, 42244, 0, 7, 20, 15, 180, 12957, 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0, 7, 25, 1024, 28577, 0, 5, 67, 3199, 11112, 15815, 112641, 0, 7, 12, 168, 4881, 90178, 0, 6, 50, 333, 7854, 116027, 0, 6, 6, 1, 40, 327, 4561, 42456, 87480, 0, 9, 38, 40, 8, 53, 871, 8169, 0, 8, 5, 37, 128, 2404, 91682, 0, 7, 36, 334, 7129, 0, 5, 11, 167, 4799, 0, 5, 1, 34, 113, 324, 6870, 51779, 0, 9, 34, 7, 21, 101, 411, 1406, 45247, 0, 9, 9, 1, 18, 1479, 7046, 159760, 0, 8, 43, 502, 1100, 424, 1689, 22505, 0, 8, 8, 1, 16, 580, 2066, 62869, 0, 8, 7, 32, 1106, 24390, 46802, 0, 7, 6, 83, 228, 728, 5434, 149679, 0, 8, 15, 222, 1086, 4463, 0, 6, 13, 146, 2167, 12808, 0, 6, 6, 1, 35, 672, 18048, 0, 7, 27, 179, 931, 12348, 20816, 68237, 0, 8, 27, 8, 2, 266, 2858, 62136, 0, 8, 6, 23, 916, 18822, 110390, 0, 7, 23, 6, 8, 10, 168, 148, 468, 5408, 142906, 0, 11, 114, 1198, 5024, 7861, 22614, 49029, 0, 8, 16, 82, 245, 5489, 6699, 729, 12487, 76057, 0, 10, 25, 186, 1946, 18752, 74035, 0, 7, 36, 145, 1362, 23644, 40292, 0, 7, 7, 1, 73, 3256, 68238, 0, 7, 6, 49, 857, 69575, 0, 6, 5, 155, 699, 16409, 29825, 68503, 0, 8, 45, 258, 2319, 2155, 16517, 35882, 0, 8, 8, 1, 29, 723, 19915, 0, 7, 29, 5, 24, 469, 6109, 29736, 65059, 0, 9, 168, 84, 359, 8328, 99737, 0, 7, 16, 76, 5478, 20199, 74147, 0, 7, 7, 1, 30, 994, 15482, 53763, 0, 8, 37, 225, 3202, 54817, 0, 6, 60, 727, 5676, 67408, 0, 6, 6, 1, 20, 640, 3937, 39997, 0, 8, 20, 6, 9, 45, 69, 2584, 61218, 0, 9, 6, 8, 11, 131, 2022, 1213, 3452, 70707, 0, 10, 120, 4069, 68187, 0, 5, 73, 109, 952, 6524, 90914, 0, 7, 58, 946, 15784, 0, 5, 12, 311, 21372, 20899, 0, 6, 32, 228, 221, 2829, 6983, 31098, 0, 8, 39, 810, 13108, 100260, 0, 6, 14, 417, 2543, 69449, 41802, 0, 7, 32, 21, 282, 5369, 26081, 0, 7, 7, 1, 78, 958, 10017, 16494, 0, 8, 28, 502, 281, 926, 3996, 0, 7, 14, 29, 137, 6566, 34048, 88140, 0, 8, 15, 265, 5993, 38570, 0, 6, 43, 302, 2252, 47609, 0, 6, 6, 1, 35, 265, 14, 24, 159, 2424, 34894, 122399, 0, 12, 80, 1021, 29819, 0, 5, 86, 650, 22103, 0, 5, 5, 1, 22, 895, 10517, 67012, 0, 8, 42, 612, 31773, 0, 5, 12, 24, 31, 663, 11481, 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90989, 0, 6, 15, 2744, 1824, 9344, 171120, 0, 7, 35, 34, 595, 12800, 0, 6, 13, 99, 3849, 29891, 0, 6, 6, 1, 48, 2330, 32078, 0, 7, 19, 77, 981, 2785, 56717, 0, 7, 7, 1, 14, 219, 4175, 7259, 5028, 106207, 0, 10, 183, 22214, 0, 4, 196, 9594, 50533, 0, 5, 225, 438, 6344, 124406, 0, 6, 38, 679, 795, 17569, 0, 6, 6, 1, 31, 183, 24, 294, 10762, 0, 9, 79, 1057, 47694, 66754, 0, 6, 14, 44, 901, 24709, 0, 6, 6, 1, 21, 123, 6289, 14266, 61364, 0, 9, 21, 7, 62, 165, 11337, 25512, 17577, 102926, 0, 10, 61, 901, 24, 38, 49, 554, 1114, 27748, 0, 10, 10, 1, 29, 158, 2284, 3845, 0, 8, 143, 2133, 90735, 0, 5, 75, 1282, 19524, 0, 5, 5, 1, 18, 710, 2201, 20288, 55540, 0, 9, 47, 191, 1559, 11228, 165548, 0, 7, 52, 923, 2425, 25320, 75322, 0, 7, 7, 1, 23, 654, 8339, 134261, 0, 8, 41, 341, 18180, 0, 5, 35, 161, 1692, 4924, 35409, 0, 7, 19, 149, 232, 5230, 43897, 0, 7, 7, 1, 27, 315, 2139, 29566, 0, 8, 27, 6, 106, 1299, 3265, 42590, 0, 8, 8, 1, 16, 262, 6185, 17550, 0, 8, 7, 24, 101, 792, 3518, 106408, 0, 8, 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523, 2012, 55100, 0, 8, 71, 665, 5901, 137965, 0, 6, 29, 542, 418, 1912, 55912, 0, 7, 30, 420, 1820, 4737, 5876, 74928, 0, 8, 21, 335, 4492, 0, 5, 127, 1424, 26111, 0, 5, 5, 1, 55, 204, 8085, 14002, 0, 8, 18, 172, 1452, 7581, 98043, 0, 7, 33, 231, 810, 1016, 5432, 20805, 0, 8, 15, 706, 9664, 19918, 0, 6, 54, 885, 9147, 0, 5, 33, 19, 543, 9331, 113393, 56743, 87844, 0, 9, 82, 280, 11352, 77250, 0, 6, 20, 245, 1209, 39915, 0, 6, 6, 1, 55, 55, 1, 3, 524, 10375, 0, 10, 633, 6982, 167088, 0, 5, 36, 159, 1010, 6927, 0, 6, 20, 27, 122, 5651, 74396, 0, 7, 68, 1570, 29717, 0, 5, 18, 80, 1022, 40853, 0, 6, 18, 6, 2, 170, 4823, 16103, 0, 8, 79, 253, 3691, 36309, 0, 6, 12, 265, 1051, 50506, 0, 6, 6, 1, 56, 2719, 50425, 0, 7, 38, 697, 17414, 0, 5, 38, 5, 2, 32, 287, 8898, 0, 8, 32, 5, 8, 3, 77, 185, 3823, 34029, 0, 10, 79, 42, 953, 5747, 0, 6, 35, 665, 181, 7332, 51120, 0, 7, 36, 87, 4869, 0, 5, 26, 210, 351, 1741, 15444, 0, 7, 12, 61, 749, 6949, 94438, 0, 7, 7, 1, 62, 280, 135, 2832, 39224, 0, 9, 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112485, 0, 9, 79, 205, 6045, 22881, 95788, 0, 7, 48, 1018, 9130, 70560, 0, 6, 41, 605, 7402, 56432, 0, 6, 6, 1, 28, 157, 3108, 50374, 0, 8, 86, 1151, 12857, 155941, 0, 6, 13, 135, 203, 4689, 109263, 0, 7, 33, 355, 8780, 162203, 0, 6, 13, 13, 1, 28, 28, 1, 3, 264, 10269, 163329, 0, 12, 237, 92, 1783, 19462, 142371, 0, 7, 25, 560, 2436, 35758, 0, 6, 25, 6, 2, 131, 1461, 30476, 0, 8, 52, 963, 2576, 80890, 0, 6, 12, 28, 36, 279, 1859, 13914, 115760, 0, 9, 94, 2166, 10875, 12293, 0, 6, 15, 149, 957, 23413, 148353, 0, 7, 42, 311, 1470, 18248, 0, 6, 13, 66, 2782, 54611, 108876, 0, 7, 13, 7, 2, 49, 1047, 2338, 23906, 0, 9, 35, 328, 16643, 0, 5, 142, 298, 4585, 77865, 0, 6, 27, 175, 2098, 45946, 0, 6, 6, 1, 96, 6922, 46088, 0, 7, 31, 849, 2133, 541, 8582, 135116, 9637, 0, 9, 33, 122, 434, 5276, 3375, 41460, 0, 8, 91, 3178, 75478, 0, 5, 41, 162, 1867, 21036, 0, 6, 34, 719, 11236, 127860, 0, 6, 6, 1, 41, 14, 283, 2664, 16774, 0, 9, 34, 15, 97, 3376, 43121, 0, 7, 50, 683, 5693, 25894, 0, 6, 21, 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0, 6, 12, 146, 1989, 1595, 19532, 23054, 0, 8, 46, 1159, 3024, 0, 5, 44, 544, 2236, 42112, 0, 6, 19, 25, 126, 5648, 105704, 0, 7, 32, 108, 1599, 24734, 0, 6, 13, 51, 542, 831, 8434, 142852, 0, 8, 32, 14, 226, 2183, 52280, 97350, 0, 8, 8, 1, 61, 653, 8242, 89842, 0, 8, 7, 31, 197, 2620, 47033, 0, 7, 6, 32, 24, 102, 77, 613, 7321, 40084, 0, 10, 516, 16859, 0, 4, 1486, 29882, 126975, 0, 5, 69, 213, 951, 7310, 0, 6, 24, 23, 287, 253, 761, 9997, 109834, 0, 9, 203, 486, 2921, 38763, 0, 6, 15, 170, 780, 13929, 19277, 0, 7, 47, 1175, 3038, 36529, 0, 6, 13, 84, 669, 5636, 47328, 0, 7, 13, 7, 2, 169, 2961, 87409, 0, 8, 75, 1321, 4974, 90549, 0, 6, 21, 183, 1527, 16747, 91823, 10021, 114482, 0, 9, 49, 330, 1258, 15192, 18283, 118861, 0, 8, 23, 65, 972, 16458, 44166, 0, 7, 36, 498, 2324, 106886, 0, 6, 30, 958, 1918, 14546, 140213, 0, 7, 13, 51, 142, 466, 2534, 46629, 125137, 0, 9, 37, 2026, 8675, 23471, 0, 6, 22, 1023, 2405, 2599, 32960, 0, 7, 22, 7, 2, 73, 1767, 1297, 14471, 30755, 116788, 0, 11, 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Van Eck Sequence

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2 , 0, 9, 94, 139, 4990, 62131, 0, 6, 27, 161, 264, 3224, 37343, 0, 7, 27, 7, 2, 58, 243, 3317, 50603, 0, 9, 22, 43, 315, 10041, 57528, 66597, 0, 8, 67, 1295, 4402, 15523, 140747, 0, 7, 22, 15, 316, 5307, 31418, 0, 7, 7, 1, 80, 55, 3135, 110136, 0, 8, 22, 15, 15, 1, 10, 84, 177, 253, 1043, 50263, 47728, 0, 13, 220, 698, 3400, 181419, 0, 6, 65, 379, 13113, 0, 5, 85, 2446, 62856, 52784, 0, 6, 11, 185, 1644, 7171, 51562, 0, 7, 44, 125, 1464, 27081, 136358, 0, 7, 7, 1, 42, 348 , 805, 24283, 0, 8, 52, 1308, 57996, 0, 5, 33, 669, 8738, 7526, 82719, 0, 7, 19, 1088, 7109, 20395, 0, 6, 40, 598, 32867 , 0, 5, 18, 325, 889, 1005, 4565, 0, 7, 18, 7, 2, 121, 250, 1931, 30555, 0, 9, 121, 6, 23, 190, 5781, 23964, 78597, 0, 9 , 9, 1, 56, 2569, 549, 645, 2261, 2094, 56059, 0, 11, 80, 117, 7473, 179052, 0, 6, 24, 498, 1494, 78056, 0, 6, 6, 1, 23 , 32, 535, 5360, 13260, 119930, 0, 10, 128, 1841, 8712, 51976, 0, 6, 15, 137, 2007, 8012, 129908, 0, 7, 62, 953, 9572, 0 , 5, 76, 712, 43463, 0, 5, 5, 1, 33, 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Van Eck Sequence

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40391, 0, 6, 35, 162, 29, 64, 6070, 14995, 0, 8, 14, 288, 716, 12839, 53860, 0, 7, 28, 258, 94, 66, 1914, 32659, 0, 8, 15, 672 , 7445, 1033, 66714, 0, 7, 15, 7, 2, 67, 141, 3094, 42762, 0, 9, 67, 6, 41, 511, 46216, 0, 7, 14, 38, 362, 968, 3114, 11794, 9472, 150419, 5947, 63627, 99678, 0, 13, 95, 4727, 45193, 128873, 0, 6, 24, 682, 173, 2453, 13844, 1328, 8646, 21304, 103317, 0, 11, 138, 631, 911, 26055, 0, 6, 17, 592, 39980, 0, 5, 150, 1707, 2865, 109854, 0, 6, 11, 18, 144, 14710, 82539, 0, 7, 54, 740, 18531, 0, 5, 18, 11, 13, 49, 331, 9625, 103537, 0, 9, 75, 1618, 2266, 20055, 0, 6, 27, 258 , 105, 3610, 94120, 0, 7, 27, 7, 2, 97, 517, 3575, 22288, 74660, 0, 10, 251, 3545, 97798, 0, 5, 37, 1260, 19016, 134167 , 0, 6, 28, 133, 5015, 113804, 0, 6, 6, 1, 168, 772, 7598, 0, 7, 32, 607, 5386, 114995, 0, 6, 12, 241, 1251, 3150, 972, 14425, 23363, 0, 9, 62, 1019, 25024, 9197, 24589, 90355, 0, 8, 161, 4026, 60233, 0, 5, 47, 340, 12963, 0, 5, 5, 1, 40, 365, 4789, 25563, 0, 8, 18, 97, 73, 808, 4518, 47770, 0, 8, 8, 1, 16, 482, 1667, 72865, 0, 8, 7, 58, 1759, 3625, 74519, 0, 7, 6, 59, 312, 462, 9338, 0, 7, 7, 1, 22, 255, 8920, 22796, 0, 8, 22, 6, 16, 30, 1430, 3644, 59997, 0, 9, 73, 45, 703 , 45089, 0, 6, 13, 148, 2114, 113670, 0, 6, 6, 1, 29, 261, 2822, 6561, 13043, 161480, 0, 10, 134, 1591, 4190, 8086, 0, 6 , 15, 247, 3324, 0, 5, 87, 2581, 65747, 0, 5, 5, 1, 26, 493, 11588, 148021, 0, 8, 55, 2776, 40069, 0, 5, 12, 133, 152, 571, 22890, 0, 7, 74, 722, 29291, 45517, 0, 6, 36, 676, 3966, 19416, 0, 6, 6, 1, 32, 160, 2509, 48920, 0, 8, 32, 6, 9, 81, 1000, 5439, 99204, 0, 9, 6, 8, 11, 232, 8214, 47845, 0, 8, 6, 8, 2, 217, 6399, 0, 7, 44, 430, 1837, 48042, 0, 6, 12 , 57, 2133, 4039, 85976, 0, 7, 13, 109, 627, 588, 2665, 83838, 0, 8, 26, 83, 913, 7316, 147622, 0, 7, 15, 102, 1947, 4827, 8196, 3949, 54882, 0, 9, 52, 519, 3889, 98824, 0, 6, 37, 252, 3474, 25694, 0, 6, 6, 1, 81, 72, 907, 3070, 96381, 0 , 9, 21, 780, 14715, 52713, 0, 6, 14, 369, 8661, 126232, 0, 6, 6, 1, 21, 14, 9, 17, 344, 8308, 167150, 0, 11, 93, 5053, 49610, 65351, 0, 6, 16, 196, 876, 4847, 97005, 0, 7, 66, 427, 9325, 9625, 338, 2820, 38467, 0, 9, 28, 306, 14339, 4416, 173593, 0, 7, 16, 23, 518, 1213, 1319, 3974, 101403, 0, 9, 16, 9, 2, 126, 1445, 4474, 31925, 0, 9, 7, 19, 859, 12161, 0 , 6, 47, 296, 736, 1910, 57564, 0, 7, 12, 135, 1383, 25094, 0, 6, 13, 134, 228, 1896, 26654, 46787, 0, 8, 134, 7, 16, 38 , 462, 282, 4529, 27354, 0, 10, 245, 7880, 12833, 45541, 0, 6, 24, 457, 4526, 4340, 22155, 0, 7, 21, 106, 4070, 143553, 0, 6, 13, 37, 142, 2536, 14059, 0, 7, 13, 7, 2, 72, 142, 9, 69, 1414, 14643, 0, 11, 121, 667, 13514, 0, 5, 258, 437, 1026, 11342, 0, 6, 29, 301, 613, 2487, 99406, 0, 7, 27, 444, 1331, 76326, 0, 6, 13, 35, 578, 4283, 43361, 0, 7, 13, 7, 2 , 42, 2256, 36349, 0, 8, 86, 1061, 10208, 0, 5, 39, 1326, 86276, 0, 5, 5, 1, 181, 11865, 12697, 7835, 0, 8, 18, 408, 772 , 455, 4465, 73930, 0, 8, 8, 1, 16, 112, 2113, 19360, 70434, 0, 9, 79, 764, 9879, 58708, 0, 6, 56, 1109, 18729, 0, 5, 35 , 60, 1554, 47840, 0, 6, 11, 92, 2328, 11109, 130034, 0, 7, 65, 1149, 1829, 21996, 93535, 76380, 0, 8, 40, 463, 6512, 44752, 0, 6, 21, 136, 1800, 7943, 0, 6, 6, 1, 53, 3202, 16925, 78960, 0, 8, 20, 988, 9754, 4728, 11391, 125407, 0, 8, 8 , 1, 16, 69, 142, 145, 6443, 156827, 0, 10, 181, 93, 266, 3251, 11149, 0, 7, 53, 31, 990, 30356, 0, 6, 38, 201, 3450, 18990, 0, 6, 6, 1, 29, 154, 2134, 29467, 0, 8, 36, 411, 13764, 60101, 0, 6, 13, 146, 9718, 34738, 0, 6, 6, 1, 20, 59, 513, 12929, 9590, 48549, 0, 10, 49, 638, 16367, 66714, 722, 442, 5290, 66206, 0, 10, 10, 1, 20, 20, 1, 3, 858, 2571, 91676, 0, 11, 122, 2427, 7783, 4701, 2198, 34449, 0, 8, 51, 2052, 22728, 17780, 53600, 107221, 0, 8, 8, 1, 24, 263, 2465 , 23176, 0, 8, 7, 88, 3185, 32336, 0, 6, 60, 158, 1582, 32244, 0, 6, 6, 1, 20, 46, 1003, 880, 28230, 0, 9, 185, 6393, 34053, 0, 5, 179, 1007, 4545, 21285, 8830, 50390, 0, 8, 34, 1076, 6766, 143460, 0, 6, 27, 260, 2335, 59171, 0, 6, 6, 1, 34, 14, 416, 3347, 36329, 0, 9, 34, 7, 56, 215, 2278, 31413, 0, 8, 29, 136, 189, 875, 13431, 121579, 0, 8, 8, 1, 25, 1193, 11909, 0, 7, 21, 204, 1928, 8751, 1053, 11769, 9714, 128902, 0, 10, 122, 112, 259, 1582, 83, 510, 4315, 68684, 0, 10, 10, 1, 27, 60, 95, 834, 9675, 142983, 0, 10, 9, 54, 800, 20003, 136026, 0, 7, 37, 370, 3821, 58759, 51638, 0, 7, 7, 1, 24, 130, 2753, 16850, 0, 8, 58, 702, 17597, 0, 5, 109, 561, 3892, 12915, 29668, 126529, 0, 8, 13, 204, 65, 285, 6357 , 67155, 0, 8, 8, 1, 29, 90, 4914, 65679, 0, 8, 7, 37, 45, 702, 31, 249, 3840, 135056, 19725, 0, 11, 194, 9021, 0, 4, 1790, 49607, 0, 4, 4, 1, 27, 80, 1229, 10410, 0, 8, 27, 6, 141, 945, 32357, 100425, 0, 8, 8, 1, 16, 298, 4325, 3591, 74827, 0, 9, 94, 977, 6437, 7133, 0, 6, 21, 131, 2193, 10833, 44458, 0, 7, 56, 159, 2175, 149263, 0, 6, 13, 79, 387, 1737, 29777, 57990, 0, 8, 35, 383, 13693, 0, 5, 100, 2482, 5818, 56101, 0, 6, 19, 552, 2274, 51268, 0, 6, 6, 1, 53, 336 , 2302, 38602, 0, 8, 25, 182, 2411, 18430, 115600, 0, 7, 46, 247, 776, 2526, 1812, 1580, 72642, 0, 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2 1415, 53, 181, 525, 8204, 150884, 0, 12, 735, 11888, 135773, 0, 5, 23, 49, 488, 4994, 22643, 147300, 0, 8, 36, 165, 68, 181, 22, 147, 5797, 0, 9, 107, 4892, 45935, 0, 5, 22, 10, 121, 704, 9892, 29322, 0, 8, 22, 8, 2, 679, 3407, 4481, 6426, 144314, 0, 10, 16, 286, 2188, 8312, 0, 6, 63, 2274, 246, 3534, 25130, 0, 7, 95, 393, 2649, 25818, 0, 6, 13, 120, 1955, 24394, 0, 6, 6, 1, 135, 807, 22439, 0, 7, 19, 89, 4816, 34197, 81858, 0, 7, 7, 1, 14, 474, 3102, 123, 1546, 52373, 111018, 0, 11, 362, 1275, 19573, 162191, 0, 6, 30, 1086, 9868, 39473, 34280, 0, 7, 23, 103, 5019, 3537, 87224, 0, 7, 7, 1, 31, 391, 6631, 9513, 108594, 0, 9, 102, 972, 1182, 37658, 0, 6, 29, 290, 4877, 110584, 0, 6, 6, 1, 21, 366, 7727, 119154, 0, 8, 107, 122, 173, 1307, 5893, 45402, 0, 8, 8, 1, 16, 109, 457, 861, 3815, 9645, 134800, 0, 11, 68, 148, 1136, 12725, 0, 6, 32, 1070, 14669, 0, 5, 147, 156, 10418, 0, 5, 5, 1, 27, 432, 13607, 56506, 30209, 0, 9, 64, 299, 5544, 25660, 0, 6, 25, 204, 488, 189, 569, 1431, 7272, 21733, 0, 10, 159, 259, 552, 401, 7552, 13876, 45129, 0, 9, 25, 19, 137, 1745, 8653, 54915, 0, 8, 68, 58, 529, 2132, 20357, 54849, 0, 8, 8, 1, 50, 2620, 15811, 109875, 0, 8, 7, 122, 93, 769, 34349, 0, 7, 6, 51, 698, 1742, 33363, 0, 7, 7, 1, 22, 218, 2538, 62241, 0, 8, 22, 6, 16, 107, 118, 2667, 41055, 0, 9, 55, 291, 418, 16704, 0, 6, 13, 210, 1854, 51174, 0, 6, 6, 1, 29, 152, 1209, 4055, 8602, 0, 9, 21, 151, 6618, 33710, 0, 6, 14, 209, 8228, 41527, 122650, 0, 7, 50, 71, 2816, 49275, 23194, 0, 7, 7, 1, 29, 29, 1, 3, 377, 11075, 170456, 0, 11, 157, 4892, 298, 562, 8193, 152727, 0, 8, 69, 866, 2601, 9846, 162673, 0, 7, 25, 122, 98, 3674, 22848, 167858, 0, 8, 15, 481, 6204, 119566, 0, 6, 54, 677, 9930, 65662, 0, 6, 6, 1, 43, 480, 8115, 33490, 47206, 104716, 0, 10, 161, 1409, 20393, 27084, 0, 6, 15, 28, 467, 2954, 23038, 0, 7, 43, 21, 90, 663, 4160, 76644, 0, 8, 43, 8, 2, 351, 14348, 85668, 0, 8, 6, 24, 708, 20987, 0, 6, 5, 221, 7525, 176059, 0, 6, 6, 1, 51, 163, 7673, 2837, 612, 6639, 68612, 0, 11, 97, 1442, 13398, 0, 5, 21, 43, 37, 701, 25742, 0, 7, 51, 21, 8, 38, 950, 9361, 119468, 0, 9, 149, 1787, 5600, 101852, 0, 6, 37, 20, 868, 4705, 171129, 0, 7, 22, 192, 2429, 33308, 23812, 57402, 0, 8, 27, 278, 2080, 4965, 50171, 0, 7, 15, 95, 409, 5493, 73688, 0, 7, 7, 1, 67, 1664, 37580, 0, 7, 6, 37, 37, 1, 9, 47, 1228, 21732, 0, 10, 125, 2070, 23532, 0, 5, 73, 1474, 43593, 0, 5, 5, 1, 18, 533, 7526, 7284, 65719, 0, 9, 24, 114, 1780, 6920, 61514, 0, 7, 36, 503, 3500, 25103, 0, 6, 41, 1709, 41811, 0, 5, 26, 545, 2579, 62814, 0, 6, 11, 117, 2798, 13198, 0, 6, 6, 1, 39, 1172, 8771, 42899, 0, 8, 88, 983, 24027, 0, 5, 25, 217, 1434, 1872, 9533, 79917, 0, 8, 13, 286, 515, 13737, 0, 6, 26, 39, 26, 2, 181, 554, 2337, 43105, 0, 10, 86, 1212, 16251, 56581, 0, 6, 16, 321, 610, 5572, 9154, 0, 7, 73, 94, 824, 34616, 0, 6, 13, 35, 803, 10893, 164608, 0, 7, 13, 7, 2, 35, 9, 98, 270, 4082, 0, 10, 36, 96, 2504, 63043, 0, 6, 23, 510, 963, 14720, 103092, 0, 7, 21, 195, 6067, 0, 5, 78, 1878, 9222, 19209, 0, 6, 18, 134, 1359, 18663, 71927, 0, 7, 18, 7, 2, 41, 124, 806, 6949, 16888, 43470, 0, 11, 120, 589, 2718, 43306, 0, 6, 24, 151, 371, 3720, 36997, 0, 7, 22, 216, 4752, 90660, 0, 6, 13, 71, 371, 13, 3, 363, 12511, 184044, 0, 10, 71, 9, 78, 55, 418, 417, 3934, 10696, 0, 10, 10, 1, 154, 1204, 51073, 0, 7, 33, 1996, 61964, 0, 5, 75, 1819, 95405, 0, 5, 5, 1, 17, 1514, 15690, 0, 7, 17, 5, 8, 160, 1626, 3252, 40543, 0, 9, 41, 80, 983, 180, 6452, 55601, 0, 8, 14, 439, 7276, 95863, 0, 6, 67, 265, 7980, 174292, 0, 6, 6, 1, 36, 136, 1122, 43119, 0, 8, 20, 309, 16466, 0, 5, 40, 1328, 1918, 16230, 71468, 0, 7, 49, 760, 3509, 113330, 0, 6, 25, 220, 5300, 16429, 0, 6, 6, 1, 32, 611, 5682, 13279, 57292, 0, 9, 61, 2625, 60442, 0, 5, 33, 92, 1376, 4334, 19827, 0, 7, 33, 7, 2, 156, 627, 1665, 5301, 3385, 151088, 0, 11, 156, 8, 58, 590, 12166, 51170, 0, 8, 6, 40, 60, 1156, 9126, 8529, 5676, 18297, 0, 10, 134, 191, 4290, 57012, 0, 6, 15, 368, 11002, 84224, 0, 6, 6, 1, 62, 1894, 35305, 0, 7, 46, 1022, 17169, 0, 5, 60, 32, 73, 265, 114, 346, 3108, 16897, 67434, 0, 11, 53, 870, 10325, 81353, 0, 6, 28, 497, 4386, 100747, 0, 6, 6, 1, 35, 272, 1021, 18222, 88807, 0, 9, 97, 467, 512, 13634, 134991, 0, 7, 44, 1768, 16222, 0, 5, 44, 5, 2, 97, 15, 66, 1684, 7280, 92081, 0, 11, 44, 11, 2, 11, 2, 2, 1, 37, 432, 733, 10813, 44790, 0, 14, 186, 2285, 38188, 0, 5, 28, 57, 1797, 21820, 7939, 21077, 0, 8, 116, 4007, 108033, 0, 5, 13, 263, 1382, 41690, 0, 6, 69, 617, 10376, 62277, 0, 6, 6, 1, 39, 386, 2770, 29272, 0, 8, 25, 187, 5533, 20875, 45320, 18272, 0, 8, 8, 1, 16, 387, 1183, 5026, 69803, 0, 9, 92, 183, 6159, 129594, 0, 6, 30, 881, 11314, 62228, 0, 6, 6, 1, 21, 365, 2022, 18440, 0, 8, 28, 70, 2310, 16129, 27168, 29100, 35289, 0, 9, 29, 693, 2384, 68103, 0, 6, 22, 344, 1813, 3531, 48015, 0, 7, 127, 2461, 67013, 0, 5, 84, 1141, 11855, 123923, 0, 6, 18, 386, 76, 4137, 0, 6, 6, 1, 47, 552, 832, 3519, 74603, 0, 9, 39, 91, 3521, 6928, 74627, 0, 7, 33, 252, 1885, 5775, 49990, 0, 7, 7, 1, 23, 442, 1538, 7676, 106914, 0, 9, 23, 7, 10, 242, 7067, 40232, 0, 8, 79, 1289, 11251, 0, 5, 57, 153, 2644, 26130, 0, 6, 50, 784, 13820, 78266, 0, 6, 6, 1, 34, 1124, 9113, 0, 7, 30, 117, 566, 9880, 84675, 0, 7, 7, 1, 14, 188, 2863, 54564, 119713, 0, 9, 48, 3380, 93370, 0, 5, 40, 301, 1784, 62314, 0, 6, 33, 75, 422, 18419, 19983, 165757, 0, 8, 59, 1623, 4542, 36498, 0, 6, 14, 32, 288, 2361, 12502, 0, 7, 40, 27, 689, 14285, 62736, 0, 7, 7, 1, 48, 41, 431, 4994, 1151, 4983, 159263, 0, 11, 254, 7738, 14091, 9229, 109443, 0, 7, 17, 455, 1788, 28879, 0, 6, 38, 746, 28604, 31725, 0, 6, 6, 1, 30, 87, 2133, 2057, 7629, 14478, 0, 10, 124, 547, 7208, 0, 5, 79, 124, 6, 17, 30, 17, 2, 293, 2842, 25013, 127222, 0, 13, 272, 334, 9450, 0, 5, 18, 188, 109, 1064, 8144, 75181, 0, 8, 91, 180, 497, 357, 7242, 88139, 0, 8, 8, 1, 49, 469, 9437, 88385, 0, 8, 7, 70, 245, 1955, 1178, 3918, 48980, 0, 9, 135, 1178, 6, 51, 824, 663, 874, 13088, 69649, 0, 11, 96, 648, 28579, 0, 5, 49, 31, 1150, 7726, 147080, 0, 7, 31, 6, 22, 264, 8160, 61741, 0, 8, 40, 134, 454, 11874, 160472, 0, 7, 15, 388, 9004, 81201, 0, 6, 19, 1080, 6743, 0, 5, 33, 173, 1154, 18499, 117076, 0, 7, 18, 89, 1229, 1563, 82189, 0, 7, 7, 1, 80, 588, 2177, 35208, 0, 8, 40, 40, 1, 9, 75, 198, 6941, 33079, 0, 10, 137, 1116, 11033, 27556, 0, 6, 43, 914, 3988, 22848, 1001, 11517, 0, 8, 24, 685, 29630, 0, 5, 51, 97, 452, 6299, 85416, 0, 7, 43, 20, 604, 11767, 20729, 0, 7, 7, 1, 42, 2007, 4198, 28412, 0, 8, 27, 224, 5785, 72530, 0, 6, 41, 221, 978, 5785, 7, 18, 77, 4826, 159867, 0, 11, 128, 5035, 119466, 0, 5, 44, 487, 3839, 0, 5, 5, 1, 35, 524, 4658, 58432, 26564, 0, 9, 83, 1753, 20858, 0, 5, 13, 202, 3275, 22029, 0, 6, 41, 41, 1, 21, 432, 508, 13296, 6211, 0, 10, 98, 822, 9868, 1328, 672, 1534, 43457, 0, 9, 30, 235, 9909, 173537, 0, 6, 25, 485, 2740, 80174, 0, 6, 6, 1, 30, 14, 313, 16721, 0, 8, 86, 882, 9825, 0, 5, 50, 377, 1149, 2041, 14915, 0, 7, 87, 283, 10147, 105536, 0, 6, 25, 32, 336, 1665, 675, 11032, 67071, 0, 9, 47, 448, 13281, 0, 5, 27, 118, 1228, 1006, 40717, 0, 7, 27, 7, 2, 294, 8472, 91825, 0, 8, 47, 20, 148, 1343, 11900, 24435, 0, 8, 8, 1, 63, 1464, 8317, 32417, 0, 8, 7, 23, 455, 350, 5467, 44416, 0, 8, 8, 1, 16, 562, 1209, 1249, 10935, 0, 9, 53, 675, 59, 406, 3010, 45544, 0, 8, 16, 15, 259, 1343, 41, 130, 1863, 13205, 163343, 0, 11, 168, 2629, 64429, 0, 5, 72, 2245, 15500, 108985, 87960, 0, 7, 47, 64, 1382, 630, 36073, 0, 7, 7, 1, 47, 9, 42, 214, 3151, 75815, 0, 10, 157, 1266, 50719, 0, 5, 29, 586, 11911, 0, 5, 5, 1, 20, 92, 623, 4801, 10015, 33417, 159544, 0, 11, 50, 144, 2741, 122154, 0, 6, 137, 282, 2331, 15359, 123479, 0, 7, 43, 263, 681, 6286, 51909, 0, 7, 7, 1, 31, 356, 11435, 0, 7, 6, 22, 360, 16863, 123053, 0, 7, 7, 1, 14, 190, 3250, 46334, 0, 8, 103, 1540, 14016, 12286, 0, 6, 20, 57, 576, 9216, 0, 6, 6, 1, 20, 8, 16, 119, 3291, 54934, 83886, 104031, 0, 12, 1673, 0, 3, 998, 22214, 18727, 0, 5, 84, 658, 17431, 71942, 0, 6, 25, 211, 5292, 116958, 0, 6, 6, 1, 32, 218, 1442, 1279, 27443, 136324, 0, 10, 117, 603, 4456, 19722, 0, 6, 15, 162, 2937, 33084, 0, 6, 6, 1, 22, 82, 1767, 15498, 0, 8, 58, 911, 2874, 12624, 0, 6, 13, 316, 5946, 0, 5, 53, 196, 2524, 34023, 0, 6, 11, 134, 459, 8855, 0, 6, 6, 1, 31, 119, 83, 342, 8710, 93418, 0, 10, 53, 22, 40, 436, 5206, 108003, 0, 8, 41, 214, 184, 1777, 40635, 21447, 39562, 100672, 0, 10, 18, 391, 1657, 33764, 0, 6, 33, 481, 1437, 50972, 87383, 0, 7, 145, 2323, 12703, 150103, 0, 6, 13, 64, 224, 422, 668, 8160, 521, 15535, 45989, 0, 11, 63, 289, 18976, 0, 5, 75, 484, 4807, 58422]
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