11,65,73,77,97,113,120,232,233,235,242,249,250,260,263,265,273,281,289,316,326,327,350,356,363,378,389,391,397,400,416,494,507,515,517,523,556,579,587,650,660,689,747,820,827,862,864,865,877,892,952,953,956,957,986,1197,1206,1207,1233,1236,1237,1239,1240,1253,1265,1290,1314,1367,1381,1473,1490,1516,1544,1556,1603,1626,1634,1636,1643,1644,1791,1797,1804,1823,1836,1898,1922,1945,1964,2052,2058,2141,2153,2182,2212,2227,2279,2321,2339,2350,2427,2474,2580,2596,2620,2755,2868,2875,3073,3100,3112,3211,3292,3564,3594,3641,3697,3756,4067,4279,4760,4955,5208,5282,5326,5392,5625,5626,5627,5885,7538,7906,8001,8110,9378,9507,9627,9683,9750,9917,10123,10341,10354,10367,10409,10432,10458,10518,10547,10908,10968,11424,11439,11469,11731,11768,11979,11998,12090,12376,12470,12514,12651,12716,13014,13245,13326,13493,13668,13811,14004,14078,14567,14684,14768,14771,15223,15322,15668,15748,15846,15929,15973,16141,16321,16367,16522,16641,16741,17026,17201,17252,17260,17261,17276,17283,17360,18246,18703,19559,19830,20174,20180,20574,21247,21300,21692,21763,22597,22605,22684,23091,23381,23478,23895,23896,24038,24527,24780,24928,24929,25234,26008,26395,26551,26695,26741,26748,26777,26929,27269,27322,27394,27556,27625,27634,27689,27749,27861,28203,28215,28288,28935,29169,29713,30563,31126,31356,31418,31420,31821,31962,33811,33974,34233,34337,34403,35084,35104,35499,35676,36367,36930,37167,37774,38114,38878,38916,38928,39048,39170,39249,39655,39719,39918,40264,40265,40327,40419,40784,40929,41366,42041,42691,42955,43479,43918,44022,44205,44321,44368,44702,45500,46519,46602,46771,46912,47011,47122,47163,47501,47683,47732,47881,48199,48479,48851,49089,49941,50165,50191,50287,50537,50546,51566,53950,54403,55174,55334,55756,56680,56783,57068,57307,57968,58243,58432,59178,59706,60348,60438,63403,63486,63764,63970,64749,64766,65851,66158,67893,68437,69239,69836,71384,71676,72161,72581,72582,74380,74554,75043,75455,75471,77742,81941,82283,83208,83600,83882,84535,84757,86281,88771,88816,89829,92637,92942,93377,94870,95050,95719,95892,96217,99525,100741,101454,101500,102816,103729,104146,104564,104659,104874,105008,106225,107131,108018,108027,108531,108806,109931,110208,112254,112547,112576,113448,113774,114683,114941,114943,117255,118078,118248,118592,118627,119248,120127,120359,120670,120681,121340,121436,121447,121565,121824,122370,124829,125370,125756,127932,127954,129331,131078,132368,132539,132561,133360,134901,135101,135107,135174,135464,135904,136485,137812,138183,139957,140541,141278,141616,141815,144565,146864,148288,148398,148418,148665,148758,149241,149866,150911,152000,152678,152868,154056,154504,157041,159402,159576,159579,160030,160032,160752,161368,162357,163456,163470,163833,165252,166722,166880,167792,167813,170537,172652,172654,173030,173316,173782,174232,174313,176103,177276,177394,177707,178298,179237,179815,179985,32,130,142,171,243,262,266,270,272,286,336,340,493,560,565,566,786,856,873,875,909,939,1204,1228,1238,1267,1287,1312,1319,1387,1391,1468,1471,1483,1637,1713,1810,1828,1829,1840,1846,1847,1946,1952,1971,2012,2078,2082,2114,2155,2317,2329,2463,2534,2548,2622,2624,2630,2752,2754,2808,2958,2959,2999,3056,3133,3151,3157,3165,3702,3710,3717,3772,3885,4077,4164,4331,4404,4738,4809,5206,5362,5607,5688,5845,5884,6024,6180,7165,7303,7702,7777,8031,8092,8130,8267,8425,8514,9208,9341,9688,9697,10152,10396,10446,10602,10909,11544,11548,11551,11655,11703,11779,12131,12170,12536,13250,13362,13491,13624,13866,14393,14737,15224,16127,16185,16483,16571,16765,16985,17023,17264,17301,17315,17379,17387,17403,17405,18244,18469,19577,21770,21848,23177,23979,24057,24841,25922,26916,27070,27605,27719,28699,28911,29047,29939,30340,30352,31012,31419,32909,33795,34047,34473,35137,35144,35209,35736,35833,36438,37037,37263,37290,37627,38039,38126,39234,39260,39729,39926,39970,40191,40211,40793,40988,41531,42599,42603,42781,42866,42908,42968,43109,43186,43552,43628,44479,45064,45180,45252,45259,45748,46432,46434,47222,47830,49118,49864,49943,49947,49971,50539,50655,51007,51376,52887,53805,53830,53834,54408,54467,54485,55338,55750,55978,56183,56954,57153,57402,58027,58216,58338,58348,58736,58978,59120,59176,59411,59432,59581,60244,60299,60346,62998,63523,63524,63705,64313,64747,65313,66161,66293,66426,66957,67101,67694,69450,69804,71671,73105,73781,74917,75058,75480,77860,81513,82530,82614,84460,84647,84972,85996,86684,86798,87125,87972,88663,89965,89980,90471,92107,92635,94534,94966,95443,95801,95810,99401,100719,101716,104137,104261,104543,104592,105227,105245,105460,105512,105713,105740,105840,105842,106188,106221,106266,106851,106912,106918,107396,107548,107994,108087,108479,108625,109422,110737,112292,112586,114497,114827,114970,115088,115610,117442,117654,117873,118240,118322,118454,118688,120776,120951,122009,122195,122216,122222,122311,122375,124822,124826,125086,125232,125907,127087,127453,127937,128372,129656,129743,129798,129876,130869,130902,131175,135007,135037,135267,135294,135354,135401,135487,135655,135792,136141,136227,136396,137287,137702,139259,139843,140108,140530,141012,141566,141864,142382,142674,142709,144298,144537,147262,147947,148273,148441,148737,148890,149974,150866,151010,151457,152099,152624,152970,154501,154741,155865,156668,156672,156696,157372,158211,158569,158667,159754,159779,159879,160029,160686,160708,161917,162586,162587,165881,166044,166334,167548,167793,168145,168283,169354,169470,171499,172351,173048,173315,173317,175086,177390,177678,178420,179631,179809,180670,180750,180965,63,72,129,218,231,236,248,254,305,329,332,365,384,386,437,496,503,522,525,578,722,728,729,734,748,758,792,838,869,882,887,913,917,955,974,1202,1210,1215,1223,1227,1229,1249,1264,1273,1306,1334,1335,1383,1407,1418,1472,1489,1513,1521,1555,1557,1569,1604,1633,1638,1653,1672,1715,1788,1789,1796,1814,1825,1835,1860,1944,1949,1965,1984,1985,1988,1990,2015,2018,2025,2070,2121,2143,2166,2200,2223,2284,2383,2405,2434,2471,2581,2806,2995,3075,3086,3126,3288,3358,3474,3556,3597,3653,3662,3858,3862,3865,4246,4265,5086,5207,5391,5528,5628,5742,5882,5902,6726,6943,7023,7706,8307,8426,8481,9025,9384,9863,9955,10185,10318,10379,10431,10545,10594,10605,10637,10826,11266,11446,11547,11650,11654,12009,12036,12089,12200,12204,12286,12420,12502,12503,12587,12652,13339,13403,13411,13564,13625,13694,13752,14002,14003,14080,14128,14219,14438,14448,14499,14780,14973,15163,15760,16126,16188,16512,16569,16650,17320,17346,18202,18483,19498,19499,19543,19548,19732,19946,20502,20507,20775,20862,21253,21583,21664,21903,22758,22777,22905,23217,23712,23730,23761,23868,24158,24831,25313,25343,25745,25940,26023,26237,26801,27613,27623,27700,28273,28605,28949,29059,30332,30333,30622,31223,31358,31371,31409,31440,31830,31904,35083,35094,35529,35532,35660,35834,37164,37802,37843,38124,38380,38707,38924,39524,39913,39969,40400,40933,40987,40989,41011,41044,41824,43207,43211,43635,44362,44470,44539,44609,44674,44884,44901,44903,45169,45478,46683,46810,46836,46844,47118,47918,48187,48831,49185,49186,49482,49826,49946,49992,50160,50183,50432,50498,52008,53639,53777,54404,54434,55099,55239,55583,55822,56298,56509,56711,56989,57501,57716,57989,57996,58138,58183,58230,58245,58278,58428,58447,59000,59169,60212,60219,60331,62207,63173,63358,63531,63538,63543,63684,64765,65506,65508,66959,67470,67579,67896,68790,69805,69810,70553,72302,72813,72814,72815,72942,74166,74500,74899,75452,81936,82243,83363,84301,87119,87398,88212,88262,88662,88801,89117,89396,91595,93645,95043,97427,98603,98722,99821,100254,101037,101185,101359,101420,101700,102047,103946,104191,104876,105219,105905,106195,106235,107843,109490,109794,112373,112475,112546,113391,113820,114570,114715,114906,117860,118055,120120,123305,124045,124091,124828,126109,126570,130589,130866,131146,131161,131898,132295,132303,132558,133462,135082,135243,135277,136139,136258,137378,137951,139577,141127,141479,142116,142533,142795,144502,144854,144855,145119,147125,147230,147246,148055,148769,148772,148955,149863,149867,149869,150679,152231,152769,153099,154201,155041,155929,156611,157343,157471,159358,161840,161842,163243,163325,163575,163642,165176,165950,166053,166353,166410,166819,169186,169350,170155,170157,172547,172731,173047,173137,173710,175429,176713,177577,177854,177859,178230,178418,180867,51335,64783,73477,89909,95357,104103,111563,113618,115429,118357,119999,120545,120753,122181,122850,130865,131529,131591,134628,134726,135083,135307,135320,135483,137345,139933,140288,141567,142351,143148,144252,147471,148745,150626,151531,154040,154505,155344,161923,164200,164430,165585,169770,173773,175826,176101,178937,