32,63,72,120,171,231,232,243,248,250,273,305,311,326,336,391,397,437,479,493,494,517,522,523,560,579,620,660,689,728,737,803,820,862,892,913,917,953,956,986,1202,1215,1221,1227,1228,1233,1238,1239,1249,1265,1273,1312,1314,1348,1387,1418,1471,1513,1520,1557,1603,1604,1626,1636,1672,1779,1791,1797,1828,1829,1835,1840,1860,1944,1945,1952,1971,1984,1990,2015,2040,2052,2078,2141,2145,2155,2212,2227,2234,2317,2370,2384,2405,2471,2534,2548,2581,2624,2712,2806,2868,2959,3126,3151,3157,3474,3564,3662,3710,3862,4067,4164,4246,4279,4404,4738,4955,5086,5207,5208,5607,5625,5626,5627,5742,5885,5902,6024,7303,7538,7706,8001,8218,8307,8425,9341,9955,10123,10341,10367,10379,10446,10518,10545,11547,11548,11564,11731,11998,12019,12502,12587,13294,13491,14078,14448,14567,14768,15104,15468,15609,15760,15846,16127,16217,16321,16741,17026,17252,17287,17320,17346,17405,17430,18244,18469,18483,19543,20174,20180,20507,20574,20775,20862,21583,21848,21903,22597,22777,23091,23177,23478,23895,23896,24831,26395,27070,27689,28203,28273,28288,28604,29029,29499,30332,31126,31208,31358,31394,31420,31904,33974,33976,34047,34403,35083,35137,36367,36930,37167,37290,37627,38124,38126,38445,39048,39218,39353,39498,39524,39926,39970,40235,40265,40389,40391,40784,40933,41479,42041,42599,42603,42691,43479,43520,45064,45311,45501,46519,46683,46844,46912,47222,47555,47683,48020,48187,48311,48479,49185,49941,49992,51007,51376,53639,53777,53781,53786,53805,53834,54467,55099,55128,55174,56523,56772,56783,57716,58027,58138,58245,58278,58447,58506,58736,58872,58978,59176,59178,60244,60325,62998,63403,63684,64040,66649,67405,67896,69074,69239,69450,69947,70432,72302,72814,73105,73485,73881,74398,74402,74917,75058,75318,75480,77860,81941,82343,82530,82620,83882,84301,86281,87889,88663,88744,88816,89117,90324,90471,93645,94164,94534,94966,97739,98378,98576,99291,99296,99401,101424,102816,103729,104543,104659,104874,104937,105512,105740,106195,106225,106235,107843,107994,108479,108625,111563,112254,112475,112546,113448,113941,114595,116985,117860,117920,118240,118248,118357,118629,120120,120127,120359,120753,121436,122181,123057,124085,124620,124627,124631,126570,127318,127453,128940,129743,129876,131078,131279,131591,131806,131809,131811,131813,132558,134529,135101,135107,135243,135307,135401,135792,136139,136396,136602,137951,139843,140541,141012,141567,141616,142351,142709,144391,145732,145733,145737,147474,147947,148288,148398,148441,148758,149241,149867,149974,152099,154501,154702,154872,155442,156918,158376,158618,159214,159879,160030,161840,162304,162586,162617,163281,163470,164430,165585,165950,166044,166334,166347,166880,167548,167793,169350,169362,169470,171386,172731,173043,173914,177132,177276,177459,177707,177854,178418,180752,180867,180996,181356,181864,11,70,130,142,233,234,235,236,260,270,277,281,286,289,329,368,384,389,525,565,587,644,729,747,786,792,844,873,877,882,909,952,1207,1210,1222,1229,1334,1367,1381,1383,1521,1544,1653,1715,1788,1796,1818,1841,1846,1847,1902,2018,2025,2114,2121,2200,2321,2350,2427,2463,2474,2498,2534,2580,2622,2630,2752,2958,3112,3165,3211,3292,3558,3597,3641,3756,3772,3858,3865,3885,4760,5326,5362,5392,5628,6180,7165,7281,7583,7906,8031,8110,8267,8514,9156,9208,9378,9384,9388,9627,10185,10318,10547,10602,10605,11203,11551,11703,11788,12090,12170,12260,12376,12514,13250,13403,13564,13811,14219,14393,14619,14684,14780,14973,14990,15613,15929,16187,16367,16426,16483,16512,16765,17261,17277,17301,17360,17387,17403,18081,19226,19498,19548,19559,19577,19732,19946,21247,22524,23123,23730,23868,24038,24057,24527,24780,24841,24928,25313,26055,26237,26748,26916,27394,27613,28935,31223,31356,31371,31409,31440,31441,31962,34393,35084,35529,35660,35834,37037,37843,38039,38707,38802,39249,39260,39399,39532,39969,40400,40419,40836,40975,40986,41011,41456,43109,43635,44201,44368,44461,44470,45180,45252,45478,45713,47121,47732,48482,48831,49186,50164,50300,50498,50537,50655,52887,53782,54062,54353,54408,54421,55228,55407,55750,55822,55863,55978,56183,56298,56754,57501,58122,58243,58245,58432,58920,60348,63459,63486,63764,64749,64765,64783,65506,66426,67356,67440,67579,69778,70486,70553,71384,72161,73488,73588,73596,74400,75028,75043,75455,81936,82283,83363,84460,84757,85996,86520,86955,87119,88212,88771,90772,91385,91595,92107,92635,92942,95801,95810,98722,99948,100974,101420,101715,104146,104191,104261,104511,104876,105315,105529,105713,105786,105842,106912,107319,108018,108027,108833,108835,109794,110208,112292,112476,112576,113391,113618,114497,114570,114827,114906,114941,115088,117654,118055,118078,118251,118592,118688,120545,120670,120681,121448,122009,122216,122370,123844,124097,124613,124619,124621,124623,124625,124630,124641,124822,124829,124894,125232,125756,127434,127932,127937,129656,129798,130192,130902,131146,131175,132561,133462,134413,134594,134901,134915,135174,135294,135320,135354,137378,139259,140412,140414,140415,143258,143259,143261,144394,144565,144855,145119,145732,145738,145875,146864,146977,147262,148055,14866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