

G149 Gagner contre le hasard

CHANCES pour Zig de gagner CONTRE le hasard : modélisation

Les points répondant au problème de coordonnées entières b_1, b_2, b_3 avec $(b_1 \leq b_2)$ ET

$b_3 = 2016 - b_1 - b_2$ avec $b_3 \geq b_2$,

sont situés dans la lentille grise transparente en haut du triangle coloré des possibilités de jeux.

Les limites de la lentille, dont les chances de gagner sont de plus de 75% sont données par les couples à coordonnées entières, qui suivent :

[381,817] , [382,816] , [383,815] , [384,813] , [385,812] , [386,811] , [387,810] , [388,809] , [389,807] ,
[390,806] , [391,805] , [392,804] , [393,803] , [394,802] , [395,801] , [396,800] , [397,799] , [398,798] ,
[399,797] , [400,796] , [401,795] , [402,794] , [403,794] , [404,793] , [405,792] , [406,791] , [407,790] ,
[408,789] , [409,789] , [410,788] , [411,787] , [412,786] , [413,785] , [414,785] , [415,784] , [416,783] ,
[417,783] , [418,782] , [419,781] , [420,780] , [421,780] , [422,779] , [423,778] , [424,778] , [425,777] ,
[426,777] , [427,776] , [428,775] , [429,775] , [430,774] , [431,774] , [432,773] , [433,772] , [434,772] ,
[435,771] , [436,771] , [437,770] , [438,770] , [439,769] , [440,769] , [441,768] , [442,768] , [443,767] ,
[444,766] , [445,766] , [446,765] , [447,765] , [448,765] , [449,764] , [450,764] , [451,763] , [452,763] ,
[453,762] , [454,762] , [455,761] , [456,761] , [457,760] , [458,760] , [459,760] , [460,759] , [461,759] ,
[462,758] , [463,758] , [464,757] , [465,757] , [466,757] , [467,756] , [468,756] , [469,756] , [470,755] ,
[471,755] , [472,754] , [473,754] , [474,754] , [475,753] , [476,753] , [477,753] , [478,752] , [479,752] ,
[480,751] , [481,751] , [482,751] , [483,750] , [484,750] , [485,750] , [486,749] , [487,749] , [488,749] ,
[489,748] , [490,748] , [491,748] , [492,748] , [493,747] , [494,747] , [495,747] , [496,746] , [497,746] ,
[498,746] , [499,745] , [500,745] , [501,745] , [502,745] , [503,744] , [504,744] , [505,744] , [506,743] ,
[507,743] , [508,743] , [509,743] , [510,742] , [511,742] , [512,742] , [513,742] , [514,741] , [515,741] ,
[516,741] , [517,740] , [518,740] , [519,740] , [520,740] , [521,739] , [522,739] , [523,739] , [524,739] ,
[525,739] , [526,738] , [527,738] , [528,738] , [529,738] , [530,737] , [531,737] , [532,737] , [533,737] ,
[534,736] , [535,736] , [536,736] , [537,736] , [538,736] , [539,735] , [540,735] , [541,735] , [542,735] ,
[543,734] , [544,734] , [545,734] , [546,734] , [547,734] , [548,733] , [549,733] , [550,733]

Dans cette zone, on dénombre 2310 solutions donnant plus de 75% de chances de réussite. On peut choisir les 100 meilleures qui d'ailleurs excèdent toutes 76 %.

Les 100 meilleures solutions avec leur pourcentage sont les suivantes :

(466,775) --> 76.7629794973545
(464,776) --> 76.76209372637945
(468,774) --> 76.76179846938776
(462,777) --> 76.75943641345427
(470,773) --> 76.7588458994709
(460,778) --> 76.7547123015873
(472,772) --> 76.75382653061224
(458,779) --> 76.74821664777022
(474,771) --> 76.74703561980348
(456,780) --> 76.73965419501134
(476,770) --> 76.73817791005291
(454,781) --> 76.72932020030234
(478,769) --> 76.72754865835223
(452,782) --> 76.71691940665156
(465,775) --> 76.71691940665156
(467,774) --> 76.71632889266817
(463,776) --> 76.7157383786848
(480,768) --> 76.71485260770974
(469,773) --> 76.713671579743

(461,777) --> 76.71249055177627
(471,772) --> 76.70924272486772
(459,778) --> 76.70747118291762
(473,771) --> 76.70274707105064
(450,783) --> 76.70274707105064
(482,767) --> 76.70038501511716
(457,779) --> 76.70038501511716
(475,770) --> 76.69447987528345
(455,780) --> 76.69152730536659
(448,784) --> 76.68650793650794
(477,769) --> 76.68414588057445
(484,766) --> 76.68385062358277
(453,781) --> 76.68060279667422
(479,768) --> 76.67204034391534
(464,775) --> 76.6708593159486
(466,774) --> 76.67056405895691
(462,776) --> 76.66908777399848
(468,773) --> 76.66849726001512
(446,785) --> 76.66849726001512
(451,782) --> 76.66790674603175
(460,777) --> 76.66554469009826
(486,765) --> 76.66554469009826
(470,772) --> 76.66436366213152
(458,778) --> 76.65993480725623
(472,771) --> 76.6584585222978
(481,767) --> 76.65786800831444
(449,783) --> 76.65314389644747
(456,779) --> 76.65255338246409
(474,770) --> 76.6504865835223
(444,786) --> 76.6484197845805
(488,764) --> 76.64517195767196
(454,780) --> 76.64310515873017
(483,766) --> 76.64192413076341
(476,769) --> 76.64074310279668
(447,784) --> 76.63660950491308
(452,781) --> 76.6318853930461
(478,768) --> 76.62893282312925
(442,787) --> 76.62657076719577
(465,774) --> 76.62509448223734
(463,775) --> 76.62479922524565
(485,765) --> 76.62391345427059
(467,773) --> 76.62332294028722
(490,763) --> 76.62302768329555
(461,776) --> 76.62273242630386
(469,772) --> 76.619779856387
(459,777) --> 76.61859882842026
(450,782) --> 76.61859882842026
(445,785) --> 76.61800831443689
(480,767) --> 76.61535100151171
(471,771) --> 76.61416997354497
(457,778) --> 76.61269368858655
(473,770) --> 76.60678854875283
(455,779) --> 76.60472174981103
(487,764) --> 76.60413123582767
(448,783) --> 76.6035407218443
(440,788) --> 76.60265495086924
(482,766) --> 76.59970238095238
(492,762) --> 76.59881660997732
(443,786) --> 76.59763558201058

(475,769) --> 76.59734032501889
(453,780) --> 76.59497826908542
(446,784) --> 76.58641581632654
(477,768) --> 76.58612055933484
(451,781) --> 76.58316798941799
(489,763) --> 76.58228221844293
(484,765) --> 76.58228221844293
(464,774) --> 76.57932964852608
(462,775) --> 76.5787391345427
(466,773) --> 76.57814862055933
(438,789) --> 76.5769675925926
(460,776) --> 76.57608182161754
(441,787) --> 76.57519605064248
(468,772) --> 76.5749007936508
(494,761) --> 76.572833994709
(479,767) --> 76.572833994709
(458,777) --> 76.57165296674225
(470,771) --> 76.56988142479214
(449,782) --> 76.56958616780045
(444,785) --> 76.56751936885865
(456,778) --> 76.56515731292517
(472,770) --> 76.56279525699169

Voici la liste des 2310 solutions :

[381,817] , [382,817] , [382,816] , [383,816] , [383,815] , [384,816] , [384,815] , [384,814] , [384,813] , [385,815] ,
[385,814] , [385,813] , [385,812] , [386,815] , [386,814] , [386,813] , [386,812] , [386,811] , [387,814] , [387,813] ,
[387,812] , [387,811] , [387,810] , [388,814] , [388,813] , [388,812] , [388,811] , [388,810] , [388,809] , [389,813] ,
[389,812] , [389,811] , [389,810] , [389,809] , [389,808] , [389,807] , [390,813] , [390,812] , [390,811] , [390,810] ,
[390,809] , [390,808] , [390,807] , [390,806] , [391,812] , [391,811] , [391,810] , [391,809] , [391,808] , [391,807] ,
[391,806] , [391,805] , [392,812] , [392,811] , [392,810] , [392,809] , [392,808] , [392,807] , [392,806] , [392,805] ,
[392,804] , [393,811] , [393,810] , [393,809] , [393,808] , [393,807] , [393,806] , [393,805] , [393,804] , [393,803] ,
[394,811] , [394,810] , [394,809] , [394,808] , [394,807] , [394,806] , [394,805] , [394,804] , [394,803] , [394,802] ,
[395,810] , [395,809] , [395,808] , [395,807] , [395,806] , [395,805] , [395,804] , [395,803] , [395,802] , [395,801] ,
[396,810] , [396,809] , [396,808] , [396,807] , [396,806] , [396,805] , [396,804] , [396,803] , [396,802] , [396,801] ,
[396,800] , [397,809] , [397,808] , [397,807] , [397,806] , [397,805] , [397,804] , [397,803] , [397,802] , [397,801] ,
[397,800] , [397,799] , [398,809] , [398,808] , [398,807] , [398,806] , [398,805] , [398,804] , [398,803] , [398,802] ,
[398,801] , [398,800] , [398,799] , [398,798] , [399,808] , [399,807] , [399,806] , [399,805] , [399,804] , [399,803] ,
[399,802] , [399,801] , [399,800] , [399,799] , [399,798] , [399,797] , [400,808] , [400,807] , [400,806] , [400,805] ,
[400,804] , [400,803] , [400,802] , [400,801] , [400,800] , [400,799] , [400,798] , [400,797] , [400,796] , [401,807] ,
[401,806] , [401,805] , [401,804] , [401,803] , [401,802] , [401,801] , [401,800] , [401,799] , [401,798] , [401,797] ,
[401,796] , [401,795] , [402,807] , [402,806] , [402,805] , [402,804] , [402,803] , [402,802] , [402,801] , [402,800] ,
[402,799] , [402,798] , [402,797] , [402,796] , [402,795] , [402,794] , [403,806] , [403,805] , [403,804] , [403,803] ,
[403,802] , [403,801] , [403,800] , [403,799] , [403,798] , [403,797] , [403,796] , [403,795] , [403,794] , [404,806] ,
[404,805] , [404,804] , [404,803] , [404,802] , [404,801] , [404,800] , [404,799] , [404,798] , [404,797] , [404,796] ,
[404,795] , [404,794] , [404,793] , [405,805] , [405,804] , [405,803] , [405,802] , [405,801] , [405,800] , [405,799] ,
[405,798] , [405,797] , [405,796] , [405,795] , [405,794] , [405,793] , [405,792] , [406,805] , [406,804] , [406,803] ,
[406,802] , [406,801] , [406,800] , [406,799] , [406,798] , [406,797] , [406,796] , [406,795] , [406,794] , [406,793] ,
[406,792] , [406,791] , [407,804] , [407,803] , [407,802] , [407,801] , [407,800] , [407,799] , [407,798] , [407,797] ,
[407,796] , [407,795] , [407,794] , [407,793] , [407,792] , [407,791] , [407,790] , [408,804] , [408,803] , [408,802] ,
[408,801] , [408,800] , [408,799] , [408,798] , [408,797] , [408,796] , [408,795] , [408,794] , [408,793] , [408,792] ,
[408,791] , [408,790] , [408,789] , [409,803] , [409,802] , [409,801] , [409,800] , [409,799] , [409,798] , [409,797] ,
[409,796] , [409,795] , [409,794] , [409,793] , [409,792] , [409,791] , [409,790] , [409,789] , [410,803] , [410,802] ,
[410,801] , [410,800] , [410,799] , [410,798] , [410,797] , [410,796] , [410,795] , [410,794] , [410,793] , [410,792] ,
[410,791] , [410,790] , [410,789] , [410,788] , [411,802] , [411,801] , [411,800] , [411,799] , [411,798] , [411,797] ,
[411,796] , [411,795] , [411,794] , [411,793] , [411,792] , [411,791] , [411,790] , [411,789] , [411,788] , [411,787] ,
[412,802] , [412,801] , [412,800] , [412,799] , [412,798] , [412,797] , [412,796] , [412,795] , [412,794] , [412,793] ,
[412,792] , [412,791] , [412,790] , [412,789] , [412,788] , [412,787] , [412,786] , [413,801] , [413,800] , [413,799] ,

[514,746] , [514,745] , [514,744] , [514,743] , [514,742] , [514,741] , [515,750] , [515,749] , [515,748] , [515,747] , [515,746] , [515,745] , [515,744] , [515,743] , [515,742] , [515,741] , [516,750] , [516,749] , [516,748] , [516,747] , [516,746] , [516,745] , [516,744] , [516,743] , [516,742] , [516,741] , [517,749] , [517,748] , [517,747] , [517,746] , [517,745] , [517,744] , [517,743] , [517,742] , [517,741] , [517,740] , [518,749] , [518,748] , [518,747] , [518,746] , [518,745] , [518,744] , [518,743] , [518,742] , [518,741] , [518,740] , [519,748] , [519,747] , [519,746] , [519,745] , [519,744] , [519,743] , [519,742] , [519,741] , [519,740] , [520,748] , [520,747] , [520,746] , [520,745] , [520,744] , [520,743] , [520,742] , [520,741] , [520,740] , [521,747] , [521,746] , [521,745] , [521,744] , [521,743] , [521,742] , [521,741] , [521,740] , [521,739] , [522,747] , [522,746] , [522,745] , [522,744] , [522,743] , [522,742] , [522,741] , [522,740] , [522,739] , [523,746] , [523,745] , [523,744] , [523,743] , [523,742] , [523,741] , [523,740] , [523,739] , [524,746] , [524,745] , [524,744] , [524,743] , [524,742] , [524,741] , [524,740] , [524,739] , [525,745] , [525,744] , [525,743] , [525,742] , [525,741] , [525,740] , [525,739] , [526,745] , [526,744] , [526,743] , [526,742] , [526,741] , [526,740] , [526,739] , [526,738] , [527,744] , [527,743] , [527,742] , [527,741] , [527,740] , [527,739] , [527,738] , [528,744] , [528,743] , [528,742] , [528,741] , [528,740] , [528,739] , [528,738] , [529,743] , [529,742] , [529,741] , [529,740] , [529,739] , [529,738] , [530,743] , [530,742] , [530,741] , [530,740] , [530,739] , [530,738] , [530,737] , [531,742] , [531,741] , [531,740] , [531,739] , [531,738] , [531,737] , [532,742] , [532,741] , [532,740] , [532,739] , [532,738] , [532,737] , [533,741] , [533,740] , [533,739] , [533,738] , [533,737] , [534,741] , [534,740] , [534,739] , [534,738] , [534,737] , [534,736] , [535,740] , [535,739] , [535,738] , [535,737] , [535,736] , [536,740] , [536,739] , [536,738] , [536,737] , [536,736] , [537,739] , [537,738] , [537,737] , [537,736] , [538,739] , [538,738] , [538,737] , [538,736] , [539,738] , [539,737] , [539,736] , [539,735] , [540,738] , [540,737] , [540,736] , [540,735] , [541,737] , [541,736] , [541,735] , [542,737] , [542,736] , [542,735] , [543,736] , [543,735] , [543,734] , [544,736] , [544,735] , [544,734] , [545,735] , [545,734] , [546,735] , [546,734] , [547,734] , [548,734] , [548,733] , [549,733] , [550,733]