> # $n^2 + (n+1)^2 + (n+2)^2 = prime$ **by** $H \cdot E$ '20 − 5 − 19 :

> $c := 0$:**for** n **from** 1 **to** 100000 **do if** $isprime(n^2 + (n+1)^2 + (n+2)^2)$ **then** $c := c+1$:
   if $(c \bmod 100 \le 10)$ **and** $c \le 1000$ **then** $print\left([n]^2 + [n+1]^2 + [n+2]^2 = prime[H \cdot E](c)\right)$ **fi fi:od**:

$$[2]^2 + [3]^2 + [4]^2 = prime_{H \cdot E}(1)$$

$$[6]^2 + [7]^2 + [8]^2 = prime_{H \cdot E}(2)$$

$$[12]^2 + [13]^2 + [14]^2 = prime_{H \cdot E}(3)$$

$$[14]^2 + [15]^2 + [16]^2 = prime_{H \cdot E}(4)$$

$$[24]^2 + [25]^2 + [26]^2 = prime_{H \cdot E}(5)$$

$$[34]^2 + [35]^2 + [36]^2 = prime_{H \cdot E}(6)$$

$$[52]^2 + [53]^2 + [54]^2 = prime_{H \cdot E}(7)$$

$$[56]^2 + [57]^2 + [58]^2 = prime_{H \cdot E}(8)$$

$$[62]^2 + [63]^2 + [64]^2 = prime_{H \cdot E}(9)$$

$$[66]^2 + [67]^2 + [68]^2 = prime_{H \cdot E}(10)$$

$$[1262]^2 + [1263]^2 + [1264]^2 = prime_{H \cdot E}(100)$$

$$[1274]^2 + [1275]^2 + [1276]^2 = prime_{H \cdot E}(101)$$

$$[1276]^2 + [1277]^2 + [1278]^2 = prime_{H \cdot E}(102)$$

$$[1284]^2 + [1285]^2 + [1286]^2 = prime_{H \cdot E}(103)$$

$$[1312]^2 + [1313]^2 + [1314]^2 = prime_{H \cdot E}(104)$$

$$[1326]^2 + [1327]^2 + [1328]^2 = prime_{H \cdot E}(105)$$

$$[1332]^2 + [1333]^2 + [1334]^2 = prime_{H \cdot E}(106)$$

$$[1354]^2 + [1355]^2 + [1356]^2 = prime_{H \cdot E}(107)$$

$$[1364]^2 + [1365]^2 + [1366]^2 = prime_{H \cdot E}(108)$$

$$[1374]^2 + [1375]^2 + [1376]^2 = prime_{H \cdot E}(109)$$

$$[1386]^2 + [1387]^2 + [1388]^2 = prime_{H \cdot E}(110)$$

$$[2802]^2 + [2803]^2 + [2804]^2 = prime_{H \cdot E}(200)$$

$$[2806]^2 + [2807]^2 + [2808]^2 = prime_{H \cdot E}(201)$$

$$[2824]^2 + [2825]^2 + [2826]^2 = prime_{H \cdot E}(202)$$

$$[2862]^2 + [2863]^2 + [2864]^2 = prime_{H \cdot E}(203)$$

$$[2872]^2 + [2873]^2 + [2874]^2 = prime_{H \cdot E}(204)$$

$$[2884]^2 + [2885]^2 + [2886]^2 = prime_{H \cdot E}(205)$$

$$[2912]^2 + [2913]^2 + [2914]^2 = prime_{H \cdot E}(206)$$

$$[3016]^2 + [3017]^2 + [3018]^2 = prime_{H \cdot E}(207)$$

$$[3034]^2 + [3035]^2 + [3036]^2 = prime_{H \cdot E}(208)$$

$$[3036]^2 + [3037]^2 + [3038]^2 = prime_{H \cdot E}(209)$$

$$[3064]^2 + [3065]^2 + [3066]^2 = prime_{H \cdot E}(210)$$

$$[4604]^2 + [4605]^2 + [4606]^2 = prime_{H \cdot E}(300)$$

$$[4626]^2 + [4627]^2 + [4628]^2 = prime_{H \cdot E}(301)$$

$$[4632]^2 + [4633]^2 + [4634]^2 = prime_{H \cdot E}(302)$$

$$[4662]^2 + [4663]^2 + [4664]^2 = prime_{H \cdot E}(303)$$

$$[4704]^2 + [4705]^2 + [4706]^2 = prime_{H \cdot E}(304)$$

$$[4706]^2 + [4707]^2 + [4708]^2 = prime_{H \cdot E}(305)$$

$$[4716]^2 + [4717]^2 + [4718]^2 = prime_{H \cdot E}(306)$$

$$[4742]^2 + [4743]^2 + [4744]^2 = prime_{H \cdot E}(307)$$

$$[4772]^2 + [4773]^2 + [4774]^2 = prime_{H \cdot E}(308)$$

$$[4776]^2 + [4777]^2 + [4778]^2 = prime_{H \cdot E}(309)$$

$$[4832]^2 + [4833]^2 + [4834]^2 = prime_{H \cdot E}(310)$$

$$[6244]^2 + [6245]^2 + [6246]^2 = prime_{H \cdot E}(400)$$

$$[6246]^2 + [6247]^2 + [6248]^2 = prime_{H \cdot E}(401)$$

$$[6254]^2 + [6255]^2 + [6256]^2 = prime_{H \cdot E}(402)$$

$$[6256]^2 + [6257]^2 + [6258]^2 = prime_{H \cdot E}(403)$$

$$[6272]^2 + [6273]^2 + [6274]^2 = prime_{H \cdot E}(404)$$

$$[6282]^2 + [6283]^2 + [6284]^2 = prime_{H \cdot E}(405)$$

$$[6292]^2 + [6293]^2 + [6294]^2 = prime_{H \cdot E}(406)$$

$$[6306]^2 + [6307]^2 + [6308]^2 = prime_{H \cdot E}(407)$$

$$[6334]^2 + [6335]^2 + [6336]^2 = prime_{H \cdot E}(408)$$

$$[6356]^2 + [6357]^2 + [6358]^2 = prime_{H \cdot E}(409)$$

$$[6372]^2 + [6373]^2 + [6374]^2 = prime_{H \cdot E}(410)$$

$$[7744]^2 + [7745]^2 + [7746]^2 = prime_{H \cdot E}(500)$$

$$[7756]^2 + [7757]^2 + [7758]^2 = prime_{H \cdot E}(501)$$

$$[7766]^2 + [7767]^2 + [7768]^2 = prime_{H \cdot E}(502)$$

$$[7776]^2 + [7777]^2 + [7778]^2 = prime_{H \cdot E}(503)$$

$$[7786]^2 + [7787]^2 + [7788]^2 = prime_{H \cdot E}(504)$$

$$[7794]^2 + [7795]^2 + [7796]^2 = prime_{H \cdot E}(505)$$

$$[7842]^2 + [7843]^2 + [7844]^2 = prime_{H \cdot E}(506)$$

$$[7856]^2 + [7857]^2 + [7858]^2 = prime_{H \cdot E}(507)$$

$$[7866]^2 + [7867]^2 + [7868]^2 = prime_{H \cdot E}(508)$$

$$[7896]^2 + [7897]^2 + [7898]^2 = prime_{H \cdot E}(509)$$

$$[7912]^2 + [7913]^2 + [7914]^2 = prime_{H \cdot E}(510)$$

$$[9506]^2 + [9507]^2 + [9508]^2 = prime_{H \cdot E}(600)$$

$$[9534]^2 + [9535]^2 + [9536]^2 = prime_{H \cdot E}(601)$$

$$[9544]^2 + [9545]^2 + [9546]^2 = prime_{H \cdot E}(602)$$

$$[9554]^2 + [9555]^2 + [9556]^2 = prime_{H \cdot E}(603)$$

$$[9576]^2 + [9577]^2 + [9578]^2 = prime_{H \cdot E}(604)$$

$$[9592]^2 + [9593]^2 + [9594]^2 = prime_{H \cdot E}(605)$$

$$[9606]^2 + [9607]^2 + [9608]^2 = prime_{H \cdot E}(606)$$

$$[9656]^2 + [9657]^2 + [9658]^2 = prime_{H \cdot E}(607)$$

$$[9672]^2 + [9673]^2 + [9674]^2 = prime_{H \cdot E}(608)$$

$$[9686]^2 + [9687]^2 + [9688]^2 = prime_{H \cdot E}(609)$$

$$[9694]^2 + [9695]^2 + [9696]^2 = prime_{H \cdot E}(610)$$

$$[11504]^2 + [11505]^2 + [11506]^2 = prime_{H \cdot E}(700)$$

$$[11506]^2 + [11507]^2 + [11508]^2 = prime_{H \cdot E}(701)$$

$$[11524]^2 + [11525]^2 + [11526]^2 = prime_{H \cdot E}(702)$$

$$[11546]^2 + [11547]^2 + [11548]^2 = prime_{H \cdot E}(703)$$

$$[11552]^2 + [11553]^2 + [11554]^2 = prime_{H \cdot E}(704)$$

$$[11556]^2 + [11557]^2 + [11558]^2 = prime_{H \cdot E}(705)$$

$$[11604]^2 + [11605]^2 + [11606]^2 = prime_{H \cdot E}(706)$$

$$[11606]^2 + [11607]^2 + [11608]^2 = prime_{H \cdot E}(707)$$

$$[11622]^2 + [11623]^2 + [11624]^2 = prime_{H \cdot E}(708)$$

$$[11682]^2 + [11683]^2 + [11684]^2 = prime_{H \cdot E}(709)$$

$$[11692]^2 + [11693]^2 + [11694]^2 = prime_{H \cdot E}(710)$$

$$[13592]^2 + [13593]^2 + [13594]^2 = prime_{H \cdot E}(800)$$

$$[13594]^2 + [13595]^2 + [13596]^2 = prime_{H \cdot E}(801)$$

$$[13606]^2 + [13607]^2 + [13608]^2 = prime_{H \cdot E}(802)$$

$$[13624]^2 + [13625]^2 + [13626]^2 = prime_{H \cdot E}(803)$$

$$[13636]^2 + [13637]^2 + [13638]^2 = prime_{H \cdot E}(804)$$

$$[13664]^2 + [13665]^2 + [13666]^2 = prime_{H \cdot E}(805)$$

$$[13676]^2 + [13677]^2 + [13678]^2 = prime_{H \bullet E}(806)$$

$$[13692]^2 + [13693]^2 + [13694]^2 = prime_{H \bullet E}(807)$$

$$[13702]^2 + [13703]^2 + [13704]^2 = prime_{H \bullet E}(808)$$

$$[13772]^2 + [13773]^2 + [13774]^2 = prime_{H \bullet E}(809)$$

$$[13786]^2 + [13787]^2 + [13788]^2 = prime_{H \bullet E}(810)$$

$$[15584]^2 + [15585]^2 + [15586]^2 = prime_{H \bullet E}(900)$$

$$[15596]^2 + [15597]^2 + [15598]^2 = prime_{H \bullet E}(901)$$

$$[15606]^2 + [15607]^2 + [15608]^2 = prime_{H \bullet E}(902)$$

$$[15616]^2 + [15617]^2 + [15618]^2 = prime_{H \bullet E}(903)$$

$$[15622]^2 + [15623]^2 + [15624]^2 = prime_{H \bullet E}(904)$$

$$[15634]^2 + [15635]^2 + [15636]^2 = prime_{H \bullet E}(905)$$

$$[15652]^2 + [15653]^2 + [15654]^2 = prime_{H \bullet E}(906)$$

$$[15686]^2 + [15687]^2 + [15688]^2 = prime_{H \bullet E}(907)$$

$$[15692]^2 + [15693]^2 + [15694]^2 = prime_{H \bullet E}(908)$$

$$[15694]^2 + [15695]^2 + [15696]^2 = prime_{H \bullet E}(909)$$

$$[15696]^2 + [15697]^2 + [15698]^2 = prime_{H \bullet E}(910)$$

$$[17246]^2 + [17247]^2 + [17248]^2 = prime_{H \bullet E}(1000)$$

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