

> # $P1 \cdot P2 + P1 + P2 = \text{Prime}$ by H.E

> $c := 0$:for h from 1 to 1000 do $P3 := \text{ithprime}(h) + \text{ithprime}(h + 1) + \text{ithprime}(h) \cdot \text{ithprime}(h + 1)$:if $\text{isprime}(P3)$ then $c := c + 1$: if $c \leq 100$
then print([$\text{ithprime}(h)$ [$\{h\}$ th p], $\text{ithprime}(h + 1)$, $P3[c]$]) fi fi:od:

[2_{1} th p, 3, 11₁]

[3_{2} th p, 5, 23₂]

[5_{3} th p, 7, 47₃]

[11_{5} th p, 13, 167₄]

[13_{6} th p, 17, 251₅]

[17_{7} th p, 19, 359₆]

[19_{8} th p, 23, 479₇]

[23_{9} th p, 29, 719₈]

[41_{13} th p, 43, 1847₉]

[43_{14} th p, 47, 2111₁₀]

[47_{15} th p, 53, 2591₁₁]

[59_{17} th p, 61, 3719₁₂]

[79_{22} th p, 83, 6719₁₃]

[83_{23} th p, 89, 7559₁₄]

[89_{24} th p, 97, 8819₁₅]

[101_{26} th p, 103, 10607₁₆]

[109_{29} th p, 113, 12539₁₇]

[113_{30} th p, 127, 14591₁₈]

[137_{33} th p, 139, 19319₁₉]

[163_{38} th p, 167, 27551₂₀]

[167_{39} th p, 173, 29231₂₁]

[173_{40} th p, 179, 31319₂₂]

[223_{48} th p, 227, 51071₂₃]

[229_{50} th p, 233, 53819₂₄]

[257_{55} th p, 263, 68111₂₅]

[311_{64} th p, 313, 97967₂₆]

[383_{76} th p, 389, 149759₂₇]

[389_{77} th p, 397, 155219₂₈]

[409_{80} th p, 419, 172199₂₉]

[419_{81} th p, 421, 177239₃₀]

[439_{85} th p, 443, 195359₃₁]

[443_{86} th p, 449, 199799₃₂]

[479_{92} th p, 487, 234239₃₃]

[521_{98} th p, 523, 273527₃₄]

[547_{101} *th p*^o 557, 305783₃₅]
[557_{102} *th p*^o 563, 314711₃₆]
[577_{106} *th p*^o 587, 339863₃₇]
[593_{108} *th p*^o 599, 356399₃₈]
[613_{112} *th p*^o 617, 379451₃₉]
[643_{117} *th p*^o 647, 417311₄₀]
[647_{118} *th p*^o 653, 423791₄₁]
[683_{124} *th p*^o 691, 473327₄₂]
[773_{137} *th p*^o 787, 609911₄₃]
[797_{139} *th p*^o 809, 646379₄₄]
[809_{140} *th p*^o 811, 657719₄₅]
[811_{141} *th p*^o 821, 667463₄₆]
[853_{147} *th p*^o 857, 732731₄₇]
[953_{162} *th p*^o 967, 923471₄₈]
[983_{166} *th p*^o 991, 976127₄₉]
[1019_{171} *th p*^o 1021, 1042439₅₀]
[1049_{176} *th p*^o 1051, 1104599₅₁]
[1097_{184} *th p*^o 1103, 1212191₅₂]
[1109_{186} *th p*^o 1117, 1240979₅₃]
[1151_{190} *th p*^o 1153, 1329407₅₄]
[1171_{193} *th p*^o 1181, 1385303₅₅]
[1223_{200} *th p*^o 1229, 1505519₅₆]
[1229_{201} *th p*^o 1231, 1515359₅₇]
[1319_{215} *th p*^o 1321, 1745039₅₈]
[1373_{220} *th p*^o 1381, 1898867₅₉]
[1399_{222} *th p*^o 1409, 1973999₆₀]
[1427_{225} *th p*^o 1429, 2042039₆₁]
[1471_{233} *th p*^o 1481, 2181503₆₂]
[1511_{240} *th p*^o 1523, 2304287₆₃]
[1523_{241} *th p*^o 1531, 2334767₆₄]
[1579_{249} *th p*^o 1583, 2502719₆₅]
[1627_{258} *th p*^o 1637, 2666663₆₆]
[1663_{261} *th p*^o 1667, 2775551₆₇]
[1693_{264} *th p*^o 1697, 2876411₆₈]
[1699_{266} *th p*^o 1709, 2906999₆₉]
[1709_{267} *th p*^o 1721, 2944619₇₀]

[1913_{293} th p^r 1931, 3697847₇₁]
[1951_{297} th p^r 1973, 3853247₇₂]
[1979_{299} th p^r 1987, 3936239₇₃]
[1999_{303} th p^r 2003, 4007999₇₄]
[2017_{306} th p^r 2027, 4092503₇₅]
[2111_{318} th p^r 2113, 4464767₇₆]
[2153_{325} th p^r 2161, 4656947₇₇]
[2207_{329} th p^r 2213, 4888511₇₈]
[2213_{330} th p^r 2221, 4919507₇₉]
[2237_{332} th p^r 2239, 5013119₈₀]
[2267_{336} th p^r 2269, 5148359₈₁]
[2297_{342} th p^r 2309, 5308379₈₂]
[2389_{355} th p^r 2393, 5721659₈₃]
[2393_{356} th p^r 2399, 5745599₈₄]
[2417_{359} th p^r 2423, 5861231₈₅]
[2477_{367} th p^r 2503, 6204911₈₆]
[2539_{371} th p^r 2543, 6461759₈₇]
[2557_{375} th p^r 2579, 6599639₈₈]
[2609_{379} th p^r 2617, 6832979₈₉]
[2659_{385} th p^r 2663, 7086239₉₀]
[2663_{386} th p^r 2671, 7118207₉₁]
[2741_{400} th p^r 2749, 7540499₉₂]
[2767_{403} th p^r 2777, 7689503₉₃]
[2917_{422} th p^r 2927, 8543903₉₄]
[2939_{424} th p^r 2953, 8684759₉₅]
[2957_{426} th p^r 2963, 8767511₉₆]
[2971_{429} th p^r 2999, 8915999₉₇]
[3079_{440} th p^r 3083, 9498719₉₈]
[3119_{444} th p^r 3121, 9740639₉₉]
[3229_{457} th p^r 3251, 10503959₁₀₀]