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> # p1+p2+p3=prime^2 by H•E' 20 - 11 - 1 :
> c := 0 :for h from 1 to 1000000 do for e from 1 to 100 do for he from 2 to 5 do
  if ithprime(h) + ithprime(h+1) + ithprime(h+2) = ithprime(e)^he then c := c + 1 :
    print(ithprime(h)[{h} thp] + ithprime(h+1)[{h+1} ithp] + ithprime(h+2)[{h+2} thp] = [ithprime(e)[{e} thp]][Prime[H•E](c)]^he) fi:od:od:od:

$$13_{\{6\}} \text{thp} + 17_{\{7\}} \text{ithp} + 19_{\{8\}} \text{thp} = [7_{\{4\}} \text{thp}]_{\text{Prime}_{H•E}(1)}^2$$


$$37_{\{12\}} \text{thp} + 41_{\{13\}} \text{ithp} + 43_{\{14\}} \text{thp} = [11_{\{5\}} \text{thp}]_{\text{Prime}_{H•E}(2)}^2$$


$$277_{\{59\}} \text{thp} + 281_{\{60\}} \text{ithp} + 283_{\{61\}} \text{thp} = [29_{\{10\}} \text{thp}]_{\text{Prime}_{H•E}(3)}^2$$


$$313_{\{65\}} \text{thp} + 317_{\{66\}} \text{ithp} + 331_{\{67\}} \text{thp} = [31_{\{11\}} \text{thp}]_{\text{Prime}_{H•E}(4)}^2$$


$$439_{\{85\}} \text{thp} + 443_{\{86\}} \text{ithp} + 449_{\{87\}} \text{thp} = [11_{\{5\}} \text{thp}]_{\text{Prime}_{H•E}(5)}^3$$


$$613_{\{112\}} \text{thp} + 617_{\{113\}} \text{ithp} + 619_{\{114\}} \text{thp} = [43_{\{14\}} \text{thp}]_{\text{Prime}_{H•E}(6)}^2$$


$$7591_{\{965\}} \text{thp} + 7603_{\{966\}} \text{ithp} + 7607_{\{967\}} \text{thp} = [151_{\{36\}} \text{thp}]_{\text{Prime}_{H•E}(7)}^2$$


$$8209_{\{1029\}} \text{thp} + 8219_{\{1030\}} \text{ithp} + 8221_{\{1031\}} \text{thp} = [157_{\{37\}} \text{thp}]_{\text{Prime}_{H•E}(8)}^2$$


$$12157_{\{1455\}} \text{thp} + 12161_{\{1456\}} \text{ithp} + 12163_{\{1457\}} \text{thp} = [191_{\{43\}} \text{thp}]_{\text{Prime}_{H•E}(9)}^2$$


$$23053_{\{2573\}} \text{thp} + 23057_{\{2574\}} \text{ithp} + 23059_{\{2575\}} \text{thp} = [263_{\{56\}} \text{thp}]_{\text{Prime}_{H•E}(10)}^2$$


$$32233_{\{3457\}} \text{thp} + 32237_{\{3458\}} \text{ithp} + 32251_{\{3459\}} \text{thp} = [311_{\{64\}} \text{thp}]_{\text{Prime}_{H•E}(11)}^2$$


$$34603_{\{3696\}} \text{thp} + 34607_{\{3697\}} \text{ithp} + 34613_{\{3698\}} \text{thp} = [47_{\{15\}} \text{thp}]_{\text{Prime}_{H•E}(12)}^3$$


$$42953_{\{4490\}} \text{thp} + 42961_{\{4491\}} \text{ithp} + 42967_{\{4492\}} \text{thp} = [359_{\{72\}} \text{thp}]_{\text{Prime}_{H•E}(13)}^2$$


$$44887_{\{4664\}} \text{thp} + 44893_{\{4665\}} \text{ithp} + 44909_{\{4666\}} \text{thp} = [367_{\{73\}} \text{thp}]_{\text{Prime}_{H•E}(14)}^2$$


$$235747_{\{20887\}} \text{thp} + 235751_{\{20888\}} \text{ithp} + 235783_{\{20889\}} \text{thp} = [29_{\{10\}} \text{thp}]_{\text{Prime}_{H•E}(15)}^4$$


$$3696493_{\{263166\}} \text{thp} + 3696523_{\{263167\}} \text{ithp} + 3696551_{\{263168\}} \text{thp} = [223_{\{48\}} \text{thp}]_{\text{Prime}_{H•E}(16)}^3$$


$$4002991_{\{283353\}} \text{thp} + 4002997_{\{283354\}} \text{ithp} + 4003001_{\{283355\}} \text{thp} = [229_{\{50\}} \text{thp}]_{\text{Prime}_{H•E}(17)}^3$$


$$4615267_{\{323448\}} \text{thp} + 4615283_{\{323449\}} \text{ithp} + 4615291_{\{323450\}} \text{thp} = [61_{\{18\}} \text{thp}]_{\text{Prime}_{H•E}(18)}^4$$


$$10221397_{\{678277\}} \text{thp} + 10221443_{\{678278\}} \text{ithp} + 10221457_{\{678279\}} \text{thp} =$$


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$$\begin{aligned}
 & [313_{\{65\} \text{ thp}}]_{Prime_{H \star E}^{(19)}}^3 \\
 & 14662309_{\{950264\} \text{ thp}} + 14662331_{\{950265\} \text{ ithp}} + 14662337_{\{950266\} \text{ thp}} = \\
 & [353_{\{71\} \text{ thp}}]_{Prime_{H \star E}^{(20)}}^3
 \end{aligned} \tag{1}$$