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[> #  $x^2 + (x + 1)^2 + (x + 2)^2 + z^2 = y^2$  by H•E 2019 - 11 - 11 :
> c := 0 : for h from 1 to 100000 do for x from 1 to 10 do e :=  $h^2 + (h + 1)^2 + (h + 2)^2$ 
+  $x^2$  :if floor( evalf(  $e^{\frac{1}{2}}$  ) ) = e then c := c + 1 : print( [h]2 + [h + 1]2 + [ h + 2 ]2
+ [x]2 = [ simplify(  $e^{\frac{1}{2}}$  ) ]2 [No = c] ) fi :od:od:
[4]2 + [5]2 + [6]2 + [2]2 = [9]2 [No = 1]
[18]2 + [19]2 + [20]2 + [2]2 = [33]2 [No = 2]
[70]2 + [71]2 + [72]2 + [2]2 = [123]2 [No = 3]
[264]2 + [265]2 + [266]2 + [2]2 = [459]2 [No = 4]
[988]2 + [989]2 + [990]2 + [2]2 = [1713]2 [No = 5]
[3690]2 + [3691]2 + [3692]2 + [2]2 = [6393]2 [No = 6]
[13774]2 + [13775]2 + [13776]2 + [2]2 = [23859]2 [No = 7]
[51408]2 + [51409]2 + [51410]2 + [2]2 = [89043]2 [No = 8]
[>

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(1)