```
() Let h be an aphitpasy putered in has 2 cases either Cfor some
145 088 CM = 2 K HI) OB EVEN Ch = 2 K) TE h3- n + 7 13 088 5 5 m + cm K)
then it will be true for all guteges values of n
11 h: 15 033 Ch= 2k+1):
    h3-h+7
27 (2K41) 3- (2K41) +7 + 5 mb 2K41 in for h
 25 C2k410 C4K2+ 4k+11 -2k-1+7
 5 2 ( & K 3 + 15 K + 6 K + 1) - 5 K + 6
= 7 2a + 12k2 + 4k +7 + let a = 4k3 can interes)
29 20 426 +4K +7 + 1et 1 2 6 K2 can : weesen)
27 2 Ca 9 6 + 216 + 3) +1
                  + let . C = a+b+2K+3 Can Meses)
27 2 C +1
e: 18 h 15 000 h3-h + 7 hust be 000
2 h is even (h = zk)
 h3-h+7
=7 (2K)3 - 2K +7 + Sub h = 2K in
27 20 - 2K 47 K let a z4K3 Can integer)
=> 2 ca - k + 3) +1
                   ( let c = a - K + 3 Can intesex)
=> 26 41
-i if h is even h3- n +7 must be od)
.. Since the even case and the add case is the all
Three seb values OF 43-4+7 must be add
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