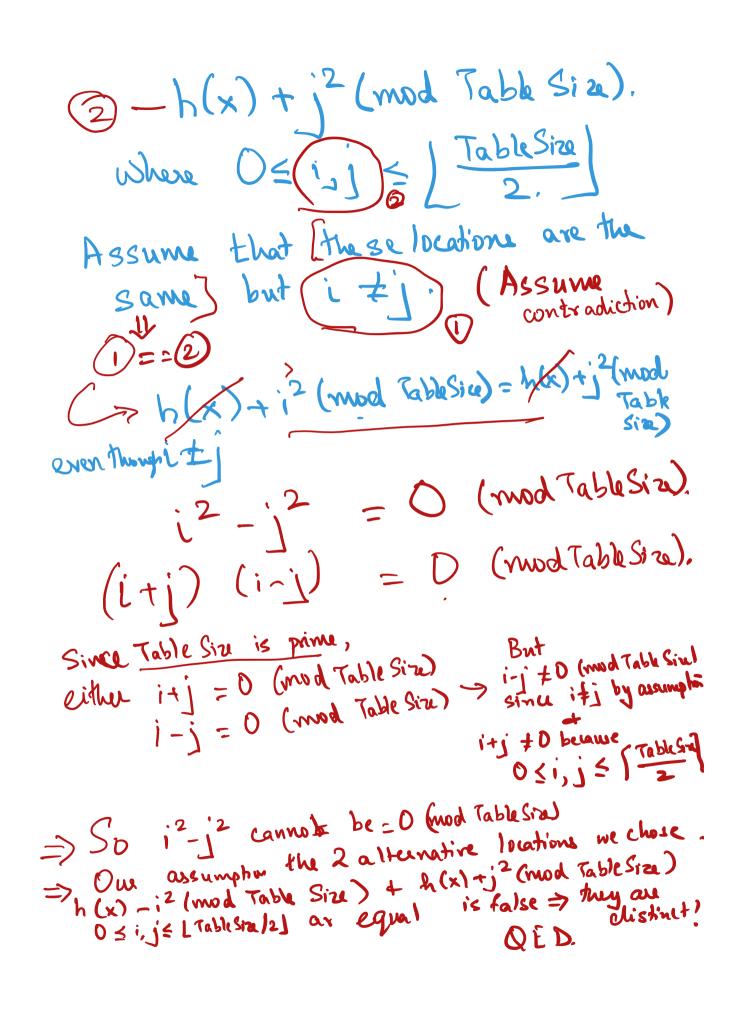
Quadratic Probing (Q.P).
Theorem: Assumption (1) Q.P / 2 Table Siz is prime /
Then a new element can always be inserted if the table is attend half empty.
Proof: Let Table Size be a prime grater than 3
alternative locations, including
Proof by contradiction: Consider 2 alternative locations in the first [Table Size] set, namely on h(x) + i 2 (mod Table Size)



N In QP example, if we remove 89. almost all other find ops will fail. Lazy deletion. Quadratic Pribing (Computing probing Equina.; Différence between 2 consequer. C 3 grave #'s is odd number! SUM ((1+1)2) (21 - f(1) => 2+21+1 -1 => (2i+) odd#. s(i+1) - f(i) = 2i+1. 3(i+1) = 5(i)+2i+1eq $f(7) = f(6) + 2 \times 6 + 1$ i=6 = 36+12+1.

The difference between consecutive odd #3 is 2! Check the code for contains, insert, remore 5,17