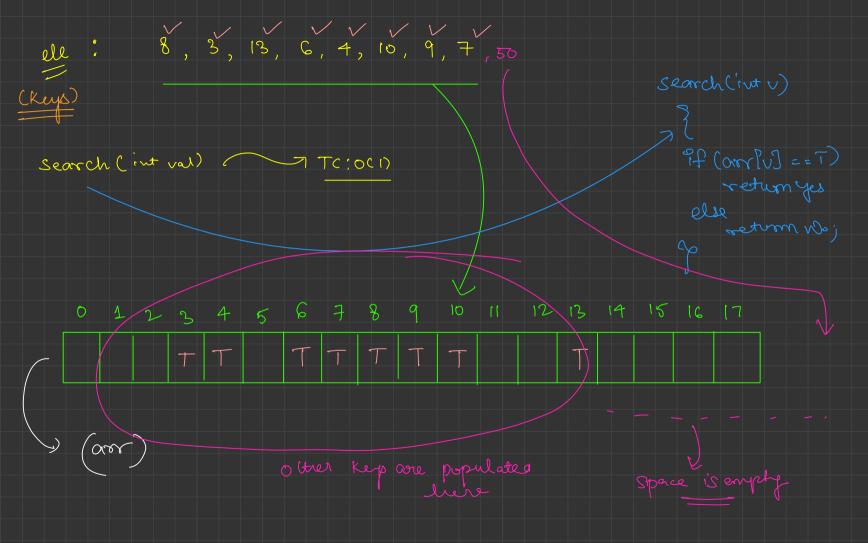
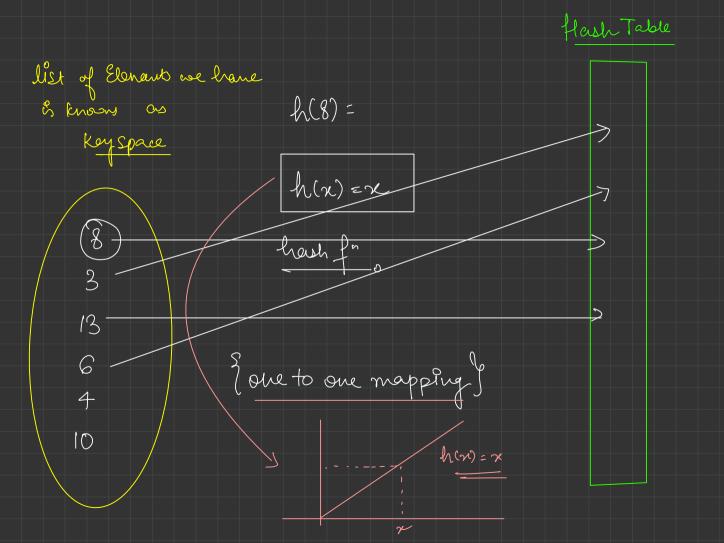


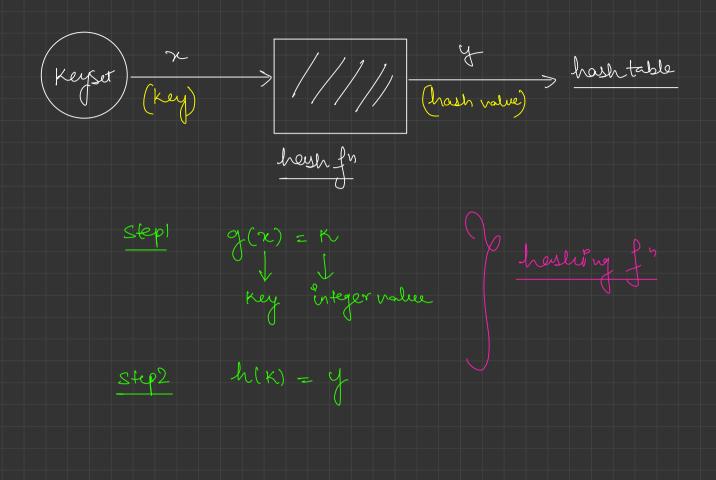
Hashing (Hosting is a technique used for searching propose) S linear Search -> Tc:O(N)

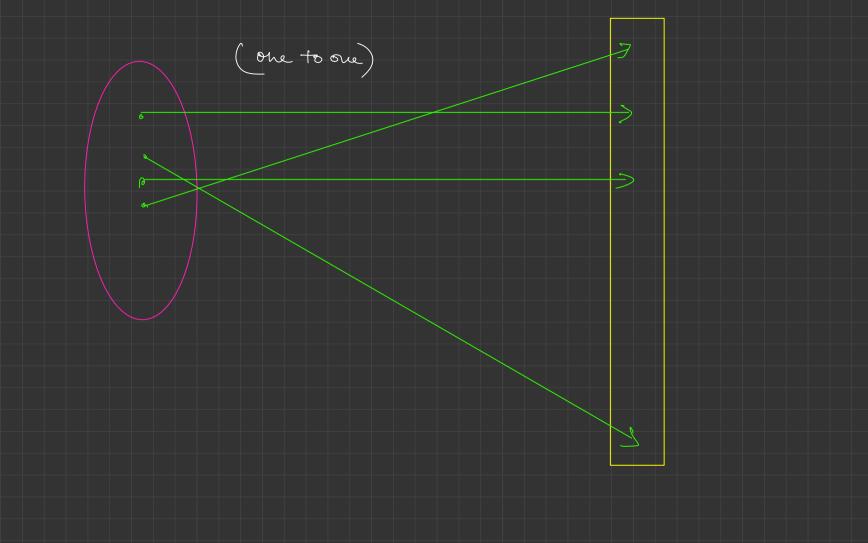
Bray Search -> Tc:O(NgN) TC'O(1) > Searching

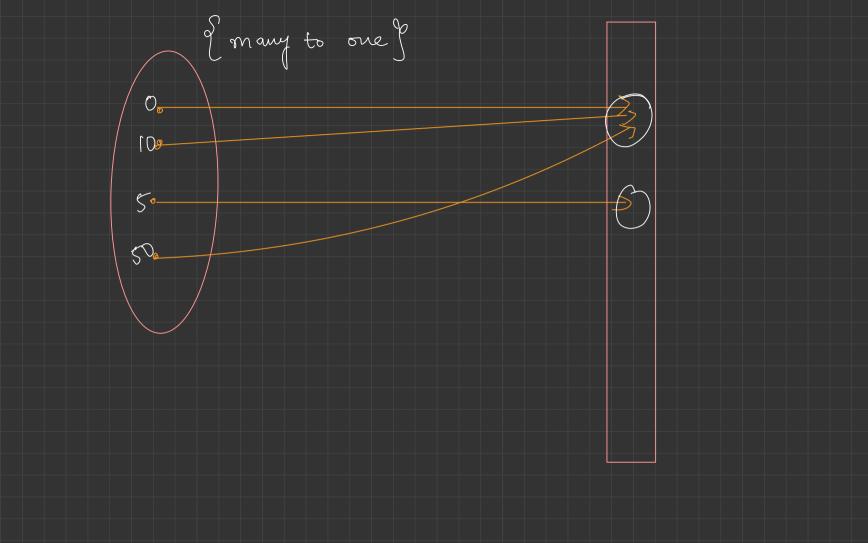


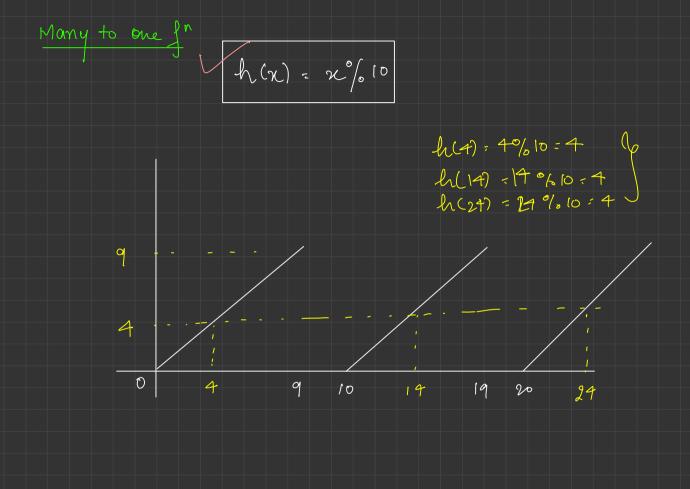
a lot nemony is siguised. in abou eg! To Emprove this Pola, hashing was cistroduced.

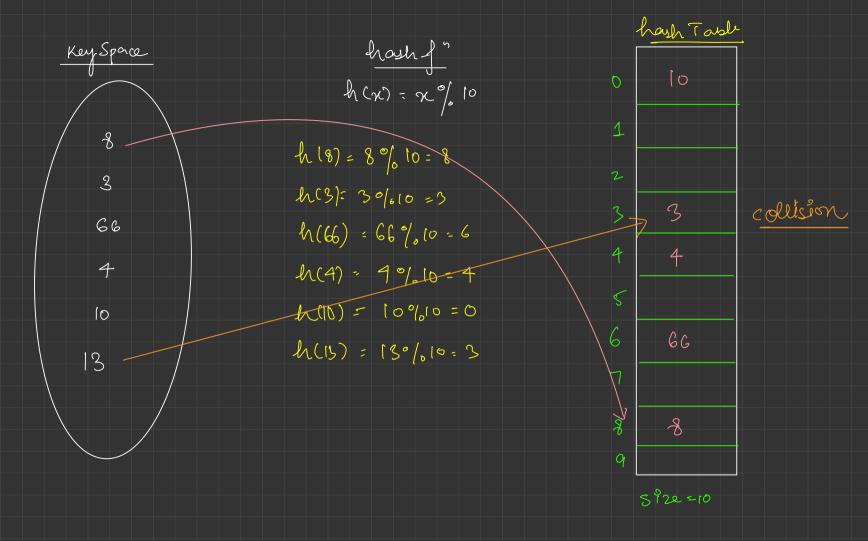




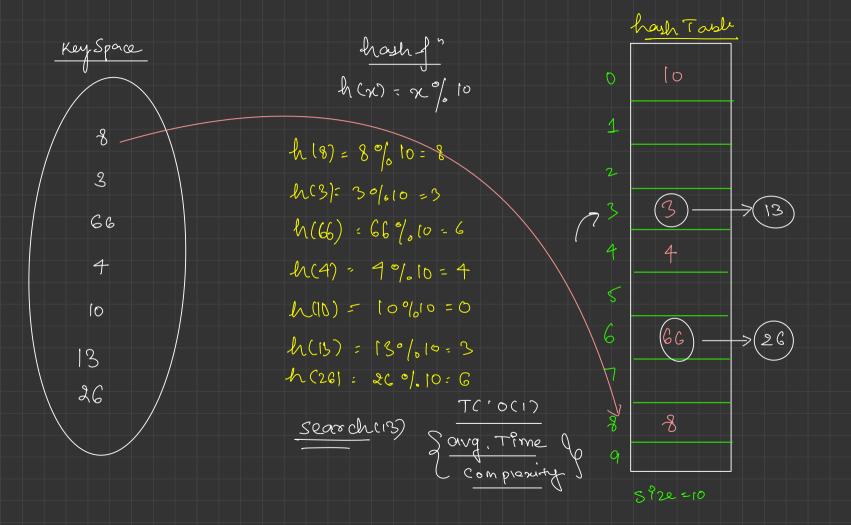




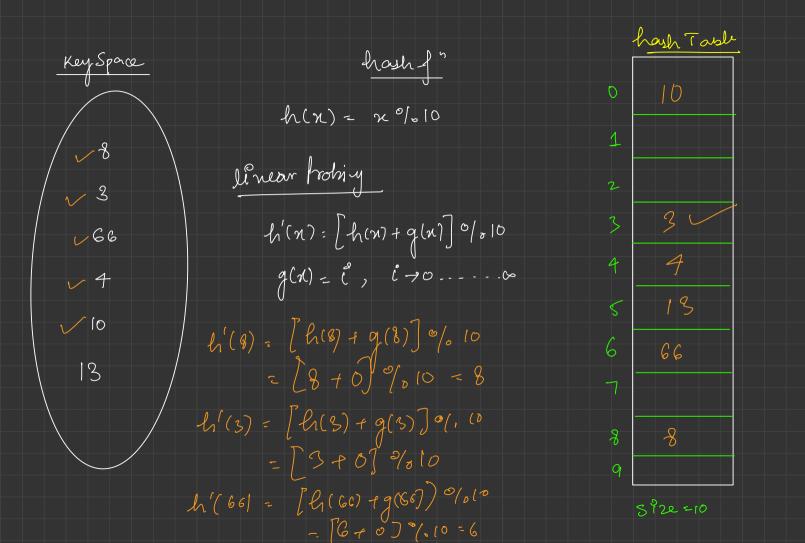




Methods to Remove Collision closed hashing (1) levear frobing (2) quadratic Probling



h(n) = x % size >75% of keyspace varye g 0 - 10,000 h(x) - xº/. 7500



$$h'(4) = [h(4) + g(4)] ^{0} - 10$$

$$- [4 + 0] ^{0} = 4$$

$$h'(10) = [h(10) + g(1)] ^{0} / 10$$

$$- [0 + 0] ^{0} = 0$$

h(12) = [h(12) + g(15)) % 10 2 [3 + 0] % 10 = 3 = Sh(12) + g(13)] % 10 = [3 f 1] 0/010 =[h(13) + g(10)] =/.10 =[3+2] =/.10 quadratic hobing

$$h(A) = \int_{0}^{1} \ln |x| + g(x) \int_{0}^{1} |x| + \sin x$$
 $g(x) = \int_{0}^{1} 2 (x) \int_{0}^{1} |x| + g(x) \int_{0}^{1} |x| +$

2 - Data Structures (2) Hash Map (2) Hash Theory 1) Thee Map of Thee Let Red-Block Tree Key value pails > Stones unique values S Rohan Lahul Jacob 817/ 10/8 St 817/