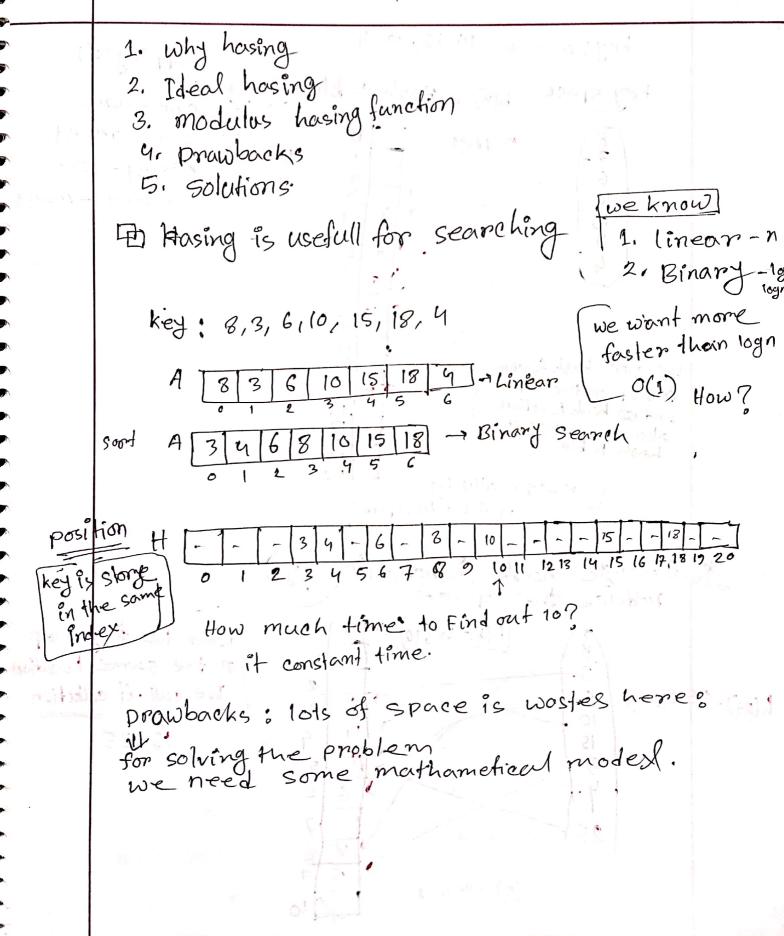
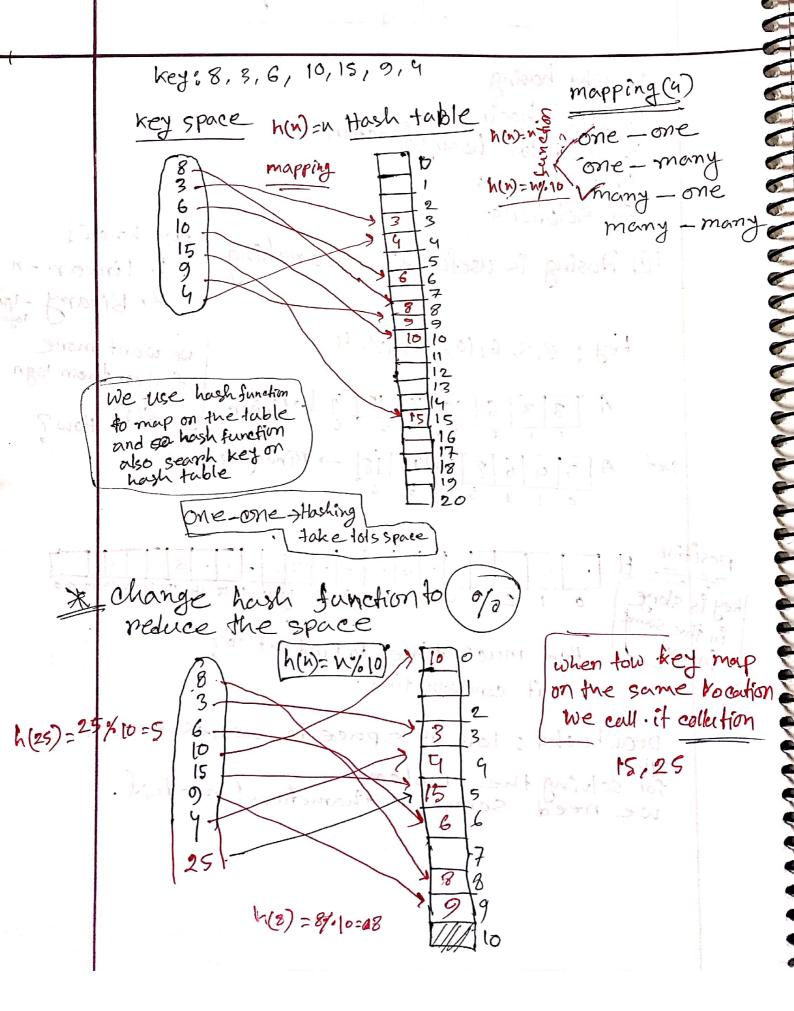
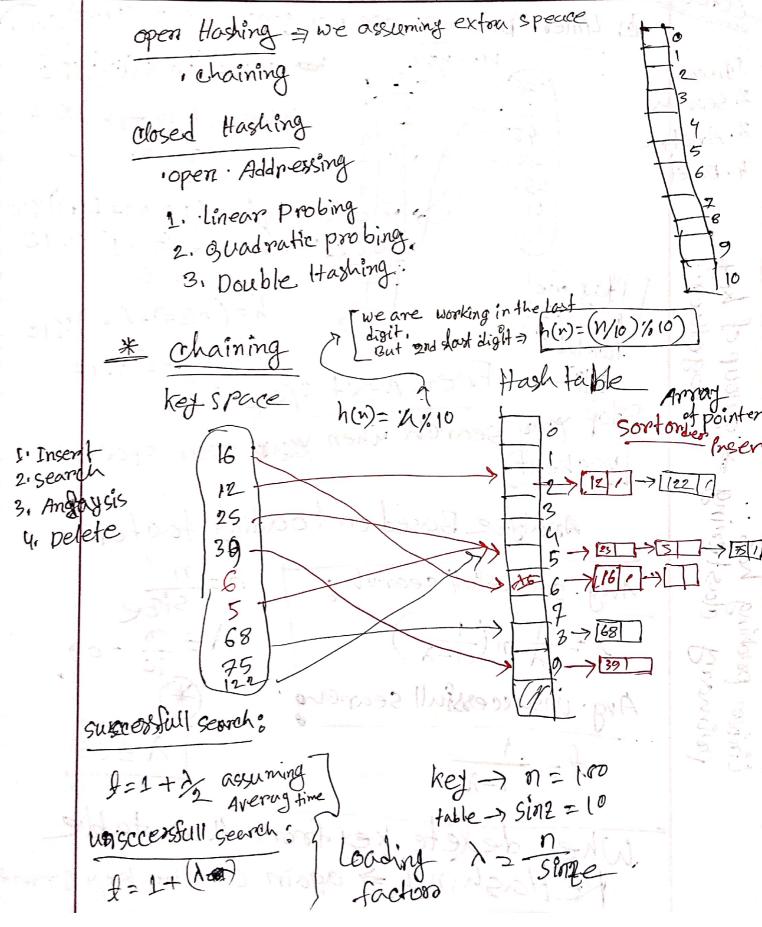
Hashing Technique



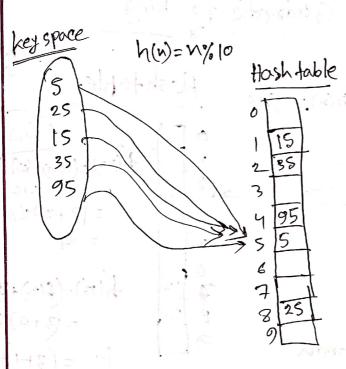


What are the methord resolving collision



we have to select the host Sunction so that ket is uniformly distributed. · In Linier broking we not consume extract f(i)=i h(n)=(h(n)+f(e))/10 1. Insent 2. Secreta 30 h (25) = (h(25) +f(0)) /010 3. Analysis 3/5 = (5+0) %10 23 4. Delete 25. 5- (h(25)+f(1))/10 256 (24) Postin = (5+1) % 10 Stag use h'= (n(25)+f(z))/610 for Telef two table = (5+2)//10 Free Next space Stop your search when the your Vockent Analyise Based on Loading factors Aveg. successful search o $f = \frac{1}{\lambda} \ln \left(\frac{1}{1-\lambda} \right)$ Cinter problems Avg. unsuccessfull search $\lambda \leq 0.5$ Whe delete key from that table Re Hashing & again all the key Insent

suggest that Not delete elemen from the Linier bropring table usin flag rather than Quaratic Probing Lectures for quelitate Hashtable key space h(n)=11/10 h(n)=(h(n)+f(i) In (43) = (4(43) +/0) 13 = (3+0)%10 43 27 fi(13)=(fi(13)+f(0)%+0 =(3+0)70=3 Avg successfull search = (3+1)% Fo=4 1=2 = (3+4)% 10=7 f=-logie(1-2) averge unsuccessfull search



$$h_1(n) = N/610$$
 $h_2(n) = R - (n/R)$
 $h_1(n) = (h_1(n) + i * h_2(n))/100$
 $i = (h_1(n) + i *$

$$h(25) = (5+1+3)!/10=8$$

$$h(25) = (5+1+3)!/10=8$$

$$h(15) = (5+1+6)!/20=1$$

$$h(25) = (5+1+7)!/20=2$$

$$h(25$$

= (5+2×3)%10 =1 = (4+3×3)%10=4