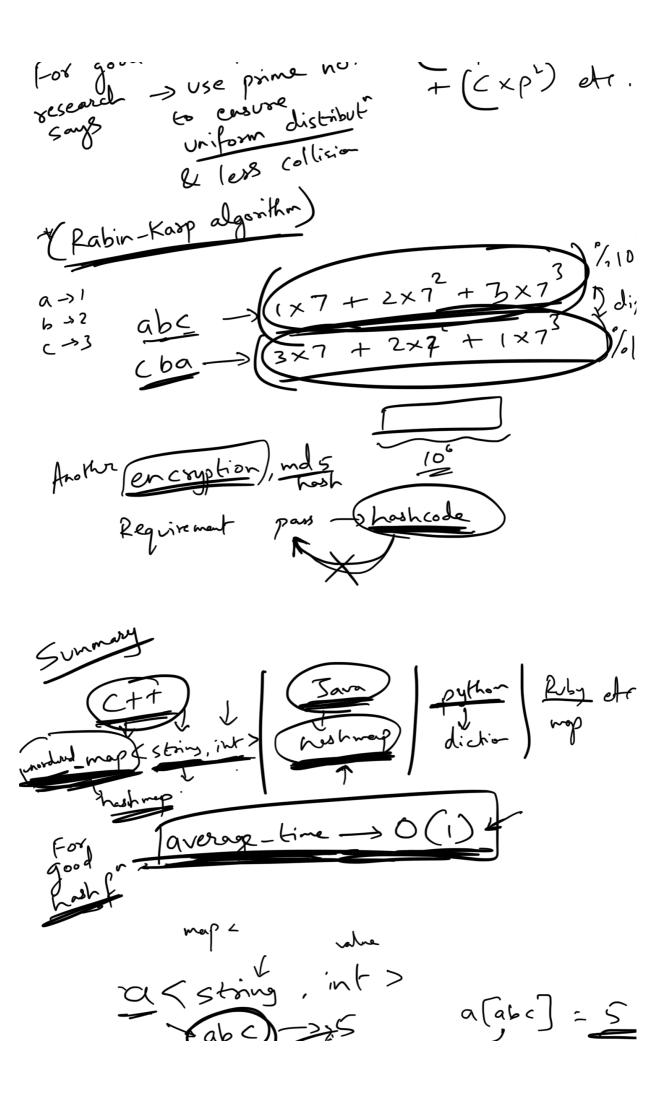


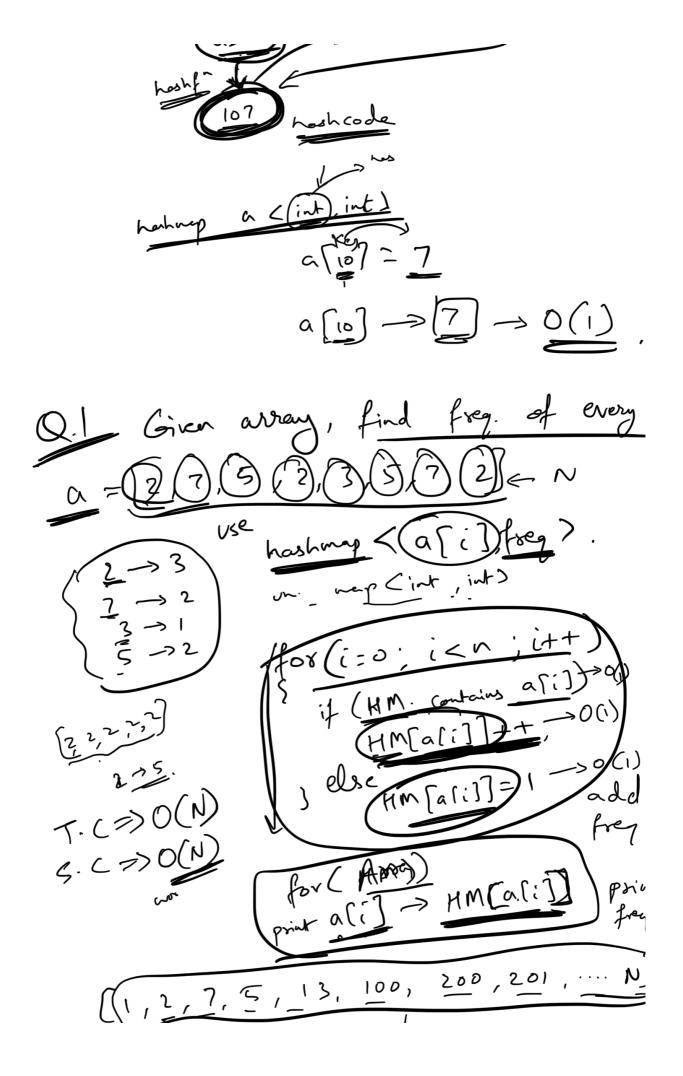
hashfuctions.

Add ascii values of string.

(S) S[i]) 1/10 collision -> (abc)

(2) 1-2-13 (2)-326 (ba)->3+2+1 (ay)-31+25-)26 (ab)->3+1+2 lots of collisions Q 0.00 0 0 1 abc = >6 (bac) b a > 3 2+1+3=6 ba = 3 abc (ax) + bx10 + (x100 ple.) /210 bac Bx1 +ax10 + Cx100 etr. abc xypgazn ax1+ bx2+cx3 and hash f^n , $\rightarrow (\alpha \times p^i) + (b \times p^i)$





HM[] > fm. Hos Q Por (check HM→1) (for (i=0; i<n;i++) }

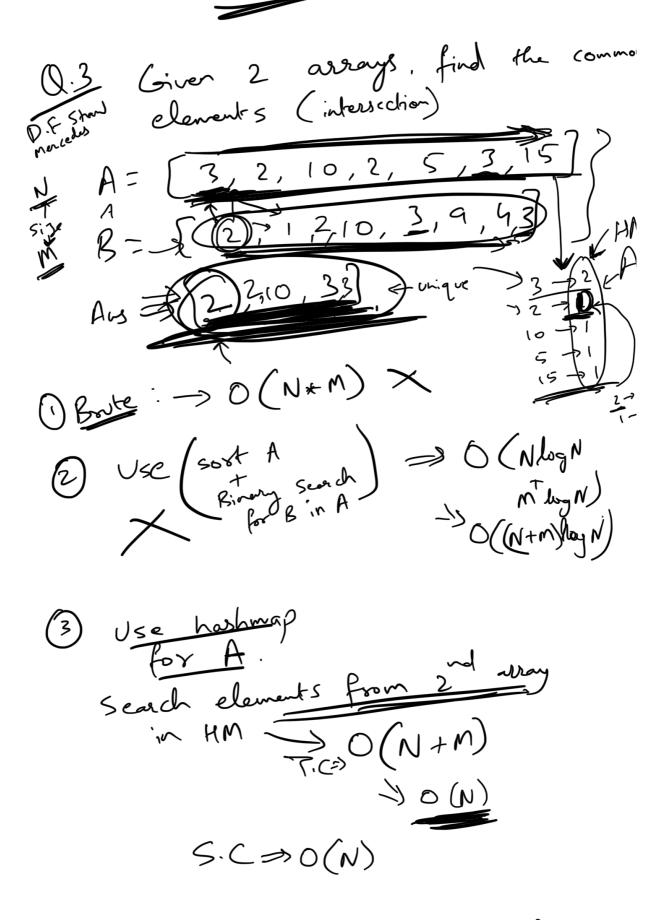
{

HM (a[i]] ++;
} for (i=0; i(n; i++))

if (MM[a[i]]==1)

setur a[i]?

> 3 4.C 30(N



Q.h. Given an array, check if there

exist a pair alc] & ali) & c= FB. dr. such that a[i] + a[j] = K (K is j eg 0=[7,4,10,2,5,16,3] & K=9yelm. 7+2=9True Tove (6), 7, 9, 5 False L (5),7 DBoute -> 2 loop (=0-1 N-1) (2) Sort & use B-S. >> O(Nlyn) X dista(i)=K ALLE Palit K-ali)

