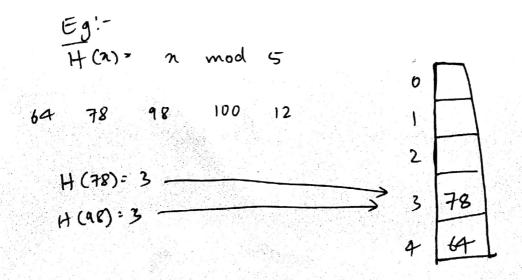
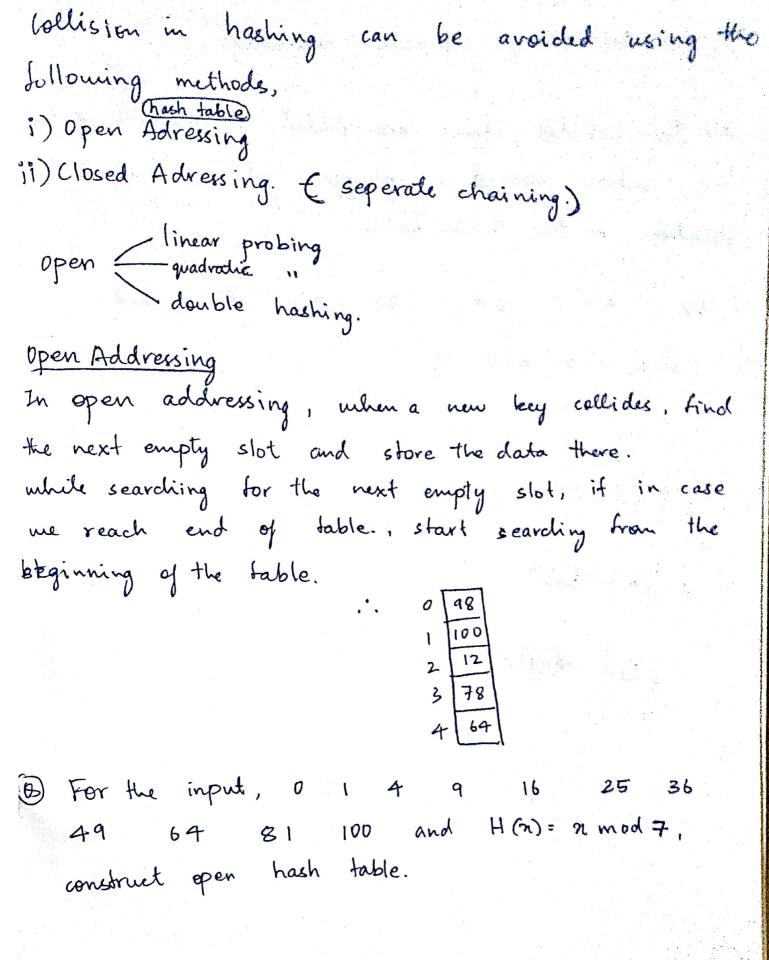
Hashing

It is the process of mapping the large amount of data item to a smaller table with the help of hash function. ie., hashings lets us create a map where each string (value) is mapped to a unique key by a function known as hashing function If H denotes the hash function and a is the data, then hash key'y can be generated as y=HCN; If no and no are two datas, we should never have a scenario where in H(21) = H(22) Almost all hash functions in use are imperfect that means, me night end up in a situation wherein H(n) = H(nz), such a condition is termed as collision ex:- H(n)= n mod 10





0 2 3 4 5 6 7 8

Closed Addressing (seperate chaining)

all the collided items are added at the end of the list whose headedr is plugged at the hashed location in the hash table.

62 64 24 77 42 97 22 H(x)= 2 mod 10.

