Assignment -4 Roll no - (38)

Ans- Rabin Karp Algorithm

A good hash function is crucial for the Rabin - Karp algorithm. It must be efficient to compute and schould minimize collisions.

* Polynomial Rolling Hash-

h(s) = (S[o].dm-1+S[1].dm-2+--+S[m-1])mod 9

O Here, S[i] is Ascii value of the ith character of the string.

@ d'is constant (base, 256) say

3 9 -> large prime number (101) say

Inform, [h=(h*d)%9