Problem 13.2 Musab Mehadi mmehadia jarobs -university , de hashes to determine specific matching strings from a given "Assuming we are using prime number P. - We first calculate the hash value of our required substring - X = OH hash - value of old char - new hash = X + p(n-1) \* new dar, where n = size of substring - IF our hash matches we proceed to comparing the elements The lines from the second step to the last are really holpful in that they help us to avoid computing the products multiple times (giving us a better time complexity)

. Rel's assume we are trying to find 
$$abc$$
 in abedatic  $abc$  in abedatic  $abc$  and  $abc$  in  $abedatic$   $abc$   $abc$ 

The complexity depends on the size of substring and the size of substring and the size of substring and