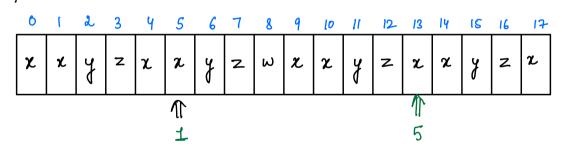
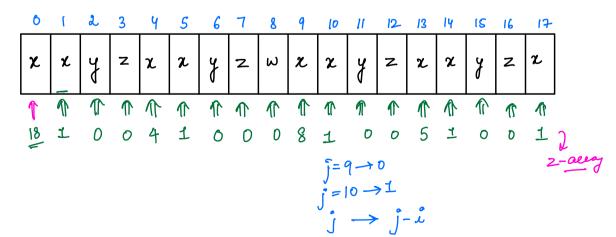
String-Related Algorithms/DS

yiven a string s.

For every index i, find the length of longest substring from it which is equal to prefix of whole steing.



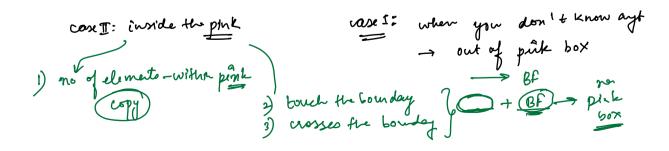
prefix => start from 0



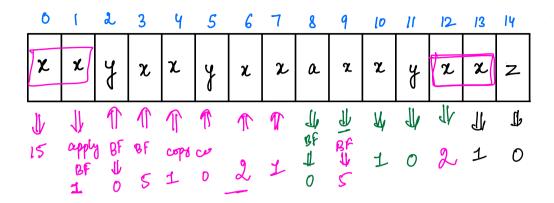
2 [0] = lepth for ( 
$$\hat{x} = 1 \longrightarrow n$$
)

int  $\hat{y} = \hat{x}$ ; while (  $\hat{y} < N$  to styl = sty- $\hat{z}$ )

The contraction of  $\hat{y} = \hat{y}$  is the style of  $\hat{y} = \hat{y}$  in the contraction of  $\hat{y} = \hat{y}$  is the style of  $\hat{y} = \hat{y}$  in the contraction of  $\hat{y} = \hat{y}$  is the style of  $\hat{y} = \hat{y}$  in the contraction of  $\hat{y} = \hat{y}$  is the style of  $\hat{y} = \hat{y}$  in the style of  $\hat{y} = \hat{y}$  in the contraction of  $\hat{y} = \hat{y}$  is the style of  $\hat{y} = \hat{y}$  in the style of  $\hat{y} = \hat{y}$ 



# wheneve you'll brute force -> expedit the pink box







$$T \cdot C \cdot O(n)$$

$$L: \quad I \longrightarrow N \quad O(N)$$

$$R: \quad J \longrightarrow N \quad O(N)$$

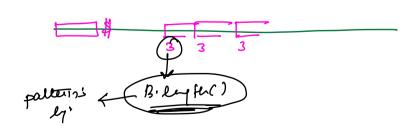
$$SN = O(3N)$$

I løwen a string S and a pattern t. Find if there exists a substring in S which matches the pattern t.

S: my name is mohit t: mei

meis my name ismohit

Q given two strings A & B. Find the no of times B occurs in A as a substring.



Jiven a binaey steing, find all the cyclic permetations of the steing such that

(3 = steing such that

(3 = steing such permetation = 0. B = 20100 --- P abcd \$ abkd 1010 \$ 10101010 XD200 40404020 abedalca cdab