31 May 2024 21:3

1) Str, pal.

2) for (it i=0; i < Str. leigth(); i++) {

for(itj=0;j=pat.largth();j++) & i if(str(i+j)!=pat(j)) & Str A A A AB break; pat j++ 3
4 (enth()-1) &

if (j== pat leight()-1) {
return true;

3 return false; Time complicity: O(nxm)
Size of string expatter

J J J J J A B = String

AAB = pattern

> creation of 2- away

Str = ABABAAABB pat = AAAB

Populating 2 our.

void zan (Shing ste, int an [)) {

id n= str.lugth(); it L,R,R;

L=R=0;

for (id =1; i2 8th legth(); i++) {

if (1>R) &

L=R=1;

will (fen dd str[R-L] == str[R]) E

ancij= R-L;

elor E

k= i-L;

if (an (R) < R-1+1) {

anli)= an (R);

ela E

Will (Ren & A Stu[R-1] == stu[R)) {

ar [i)=R-l;

R--;

\$ 5 78 8

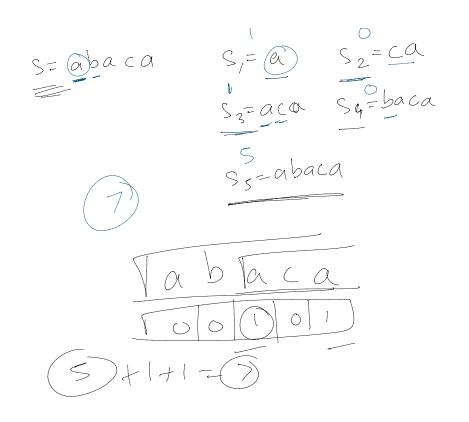
R=7-6=1

Z[i] - longest prefix starting at index i

ZUID . MO ! I starting at index i ABC ABC A AABAAABB Should not TO 1 10 12 13 15 "
AAABAAAB \$\frac{1011}{12} \frac{12}{3} \frac{15}{3} \ 021034216034 9 T T T T T T T T T T T [AAB] \$ AB [AAB]

ABA\$ABBABABB TO 0 1 0 1 2 0 0 3 0 2 10 0 3 2 away

Sun of scores of built strings $S = abaca \qquad S_{1} = a \qquad S_{2} = Ca$



- i) Create Mr 2 array.
- 2) Peter sum of 2 array + S. leigth ()