**Longest Prefix Suffix** PARSTPARS Suffix Prefix GRS O(N2) Pa Ohi 10 B R ~ PQ RS VPBRS V TPARS > PBRST STPARS > PORSTP RSTPORS T. C = O(N) > PRRSTPQ Q RST PORS 1 ParsTPar comparison O(N2) Made with Goodnotes

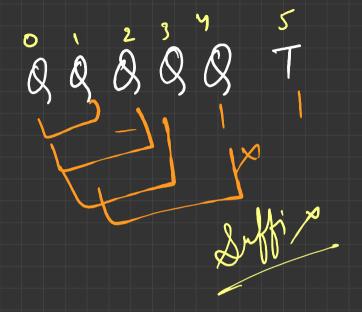
```
T.C:?

O(min(n,m))

O(n+m)

O(n)
```

PARSTPARS PRESTPBRS PBRPBSTPBR in 1 in 1 len 3



0 (N<sup>2</sup>)

2,3,

Pre = lps[pre-1]

vector (int) lps (s. size ().0) int pre=0, suf=1; while (suf < s.size()) { if (s[pre] = = s[suf]) { lps [suf]: pre+1 pre ++, suf ++; **Longest Prefix Suffix** 

else 
$$\S$$

if  $(pre = = 0)$   $\S$ 

US  $[suf] = 0$ ;

Suf  $++$ ;

 $\S$ 

ielse  $\S$ 
 $pre = = [Ps[pre - 1];$ 
 $\S$ 

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