d, d, d₂ d₃ d₃ d₃

d₁
$$\rightarrow$$
 2

d₂ \rightarrow 1

 $d_3 \rightarrow$ 3

d₄ \rightarrow 7

Expenied

N., M

Nⁿ⁻¹

N

N

S, 17

 $f(n-1)$
 $f(n) = n$
 $f($

Hadring

String hashing

String hashing 1 x26 + 2 x25 + 3 x26 + 4x26 (abcd)₂₆—— → (1901⁰)₁₀ $\Rightarrow 1 \times 2^{9} + 0 \times 2^{7} + 1 \times 2^{7} + 1 \times 2 + 0 \times 2^{9}$ $16 + 0 + 4 + 2 + 0 - (22)_{10}$ prefix hash values 12×10 +3 -> 123 > 123x 10 + 4 -> 1234 abc → 123 R-1+1 hash [1,2] → 23 has prefix hash[2] - (prefix hash[0]x(0) $(23 - (1 \times 10^2) = 23$ PH[R] (PH[L-1] × B Sabeld → (a°/0M - b°/0M + M) %M (a-b)%M $(17^{4}-14)\%19 \rightarrow (2-14)\%15$ (-12+15)%15 -> 3%15

-12,3,18,33, ... equal

3% 15 = 18% 16 = 33% 15

Pottern motehing

S,T

$$O(|T|x|5|) \approx N^2$$
 $(L-1)-i$
 $4\rightarrow 3$
 $O(|5|)$

P2

S \Rightarrow find out the number of palindromic substring

 $O(n) \times n \rightarrow n$
 $O(n) \times n \rightarrow n$

ababab

5-) axaabaabaabzz