



Conkert

- On Toggle case.
- 02 Positive in Range
- 03 Super stream Engineers

or Toggle cose.

. You have to toggle every character.

$$A' = 65$$
 . . . $a' = 97$

$$2' = 90 \cdot 2' = 122$$

else 4

xor operator for (1=0; 9<n; 9++)7 char ch = Str [1]: ans = ans + new ch;

You have been given an array A with profit for N days: You also have Q queries represented by a 2D Array B.

For every query, your lask is to find the count of non negative profit in range A[L] to A(R).

B L R

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	9

* Solution

Pf (0) =
$$A(0) \ge 0$$
? 1:0

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. for ( 9=1; 9<n; 9++)}
        F(0 ≤ (+) A)
          Pf[1]= Pf[7-1]+1>
                                         TC : 0(n+B)
        else t
                                         Sc: O(n)
          Pf(1) = Pf(1-1)+0;
    . Port [] ans = new int [Bulength].
     for ( 9=0; 1< B.lezgth; 1++)+
        "n+ " ( = B(;) (0)
       int R=B(9)[1]
        ef (1==0) of ans [i]=(pf(R])}
        else ans(i) = pf(R) - pf(L-1);
Inplace . of array.
    A(o) = A(o) \ge 0?1.0
    for ( 1=1; 1<0; 1++)1.
       # ( A(+) ≥ 0) A (1) = A(+-1) ++ 1
      clsc     A(?)= A(!-1)+0;
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Super streom. Engineers.

Given on array A, where each entry represents
the ack time for individual packet, and two
integers B. & C. Determine of there's a continous

sequence of B packets with an avg ack time less than or equal to C.

 $A = \begin{bmatrix} 30 & 25 & 18 & 22 & 15 & 40 \end{bmatrix}$

B = 3

any of elem

 $avg = \frac{30 + 25 + 18}{3} = \frac{24.33}{3} < C$ return

int sum = 0

Sum: Sum+ A[t];

if (sum/B < c) return 1;

int
$$s=1$$

int $e=B$

whill $(c < n)$?

$$sum = sum - A[s-1] + A[e]:$$

if $(sum/B \le c)$ return 1;

$$strt:$$

$$ctrt:$$

$$ctrt:$$

$$A = \begin{bmatrix} 30 & , & 25 & , & 18 & , & 22 & , & 15 & , & 40 \end{bmatrix}$$

$$B = 3$$

$$C = 20$$

$$Sum = 0$$

$$Sum = 30 + .25 + 18$$

$$C = \frac{13}{3} \le 20 \times S$$

$$S = 1$$

$$C = 3$$

·e=.4

- 30 + 22 = 65