

✓ 5 2 3 6 4 8 10 ✓  
✓ 5 7 10 — — — — }  
          i

$$profit(i) = CurrSum$$
$$\text{profit}(i) = \text{currSum}$$

Q = 5

5	2	3	6	4	8	10
0	1	2	3	4	5	6

  

5	7	10	16	20	29	37
0	1	2	3	4	5	6

$$p_{in}[u] - p_{in}[z]$$

$$20 - 16 = 4$$

$$5 \quad 5$$

$$20 - 16 = 4 \quad \text{pref[exp] - pref[sp-1]}$$

§ §

Prefix Sum arr

$\mathcal{P}_2$     $\mathcal{O}_2$    3   5   5   2   2   3   4   1   0

0   0   3   5   5   2   2   3   4   1   0

0   1   2   3   4   5   6   7   8   9   0

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$$\begin{array}{l} \text{Ans } A = \begin{pmatrix} 1 & 2 & 3 & 4 & 5 & 6 \\ 0 & 1 & 2 & 3 & 4 & 5 \end{pmatrix} \\ \text{(condn)} \Rightarrow \begin{bmatrix} 2 & -1 & 0 & 2 & 0 & -1 \\ 1 & 1 & 2 & 2 & 3 & 3 \end{bmatrix} \\ +8 \quad -1(e_1) \quad \begin{matrix} 2 & 3 & 5 & 0 & 1 & 5 \\ 1 & 1 & 2 & 2 & 3 & 3 \end{matrix} \quad \begin{matrix} 4x+5y+6z \\ 7x+5y+6z \end{matrix} \\ \begin{matrix} 1 & 0 & 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 0 & 0 & 0 \end{matrix} \quad \begin{matrix} x \\ y \end{matrix} \quad \begin{matrix} -1 \\ 0 \end{matrix}$$

$$\begin{array}{ccccccc}
 & 1 & 1 & 1 & 1 & 2 & 3 \\
 1 & 1 & & 1 & 3 & 3 & 1 \\
 1 & 0 & 2 & 2 & 4 & -2 & 5
 \end{array}$$

$$\begin{array}{cccc} & & c_2 & c_1 \\ & & 0 & 1 & 2 & 3 \\ 30142 & 0 & 3 & 0 & 1 & 4 \\ 56321 & 1 & 5 & 6 & 3 & 2 & 1 \\ 12015 & m & 2 & 1 & 2 & 0 & 1 & 5 \\ 41017 & n & 3 & 4 & 0 & 1 & 7 \end{array}$$

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A = 10  $\rightarrow$   $\omega_n[C]_i[C]_i$   
B = 12  $\rightarrow$   $\omega_n[C]_i[C]_{i-1}$   
C = 18  $\rightarrow$   $\omega_n[C]_{i-1}[C]_i$   
D = 14  $\rightarrow$   $\omega_n[C]_{i-1}[C]_{i-1}$

$\rho_{\text{fix}} = 1 + 3! + 2 \cdot 4 - 19$   
 $\rho_{\text{fix}} = A + B + C - D$

$$\begin{array}{ccc} x_1 & c_1 & x_2 & c_2 \\ 2 & 1 & 3 & 3 \\ 1 & 0 & 1 & 1 \end{array} \quad d(i)$$

The diagram shows a 2x2 grid with columns labeled  $c_1$  and  $c_2$ , and rows labeled  $r_1$  and  $r_2$ . The regions are defined as follows:
 

- A**: The top-left cell ( $r_1, c_1$ ).
- B**: The bottom-left cell ( $r_2, c_1$ ).
- C**: The top-right cell ( $r_1, c_2$ ).
- D**: The bottom-right cell ( $r_2, c_2$ ).

 The regions are colored: A is yellow, B is red, C is green, and D is blue. There are 'X' marks in the bottom-right cell of each quadrant.

Below the diagram, the following equation is written:

$$A - B - C + D =$$

$$(\gamma_1, \gamma_2) - (\gamma_2, \gamma_1) + (\gamma_1, \gamma_2) - (\gamma_1, \gamma_1)$$