arr: [1, 3, 2, 5, 7]

prefix: [1] [1,3] [1,3,2] [1,3,2,5] [1,3,2,5,7]

suffix: [7] [5,7] [2,5,7] ---

arr: [1,3,2,5,7]

prefixSum: [1,4,6,11,18]

suffixSum: [18,17,15,12,7]

ps[0] = arr[0]

ps[i] = ps[i-1] + arr[i] for i > 0

ss[n-1] = arr[n-1]

ss[i] = arr[i] + ss[i+1] for i < n-1

LL[] = [2, 1, 3, 9]

RR[] = [5, 9, 9, N]

[2,5] → [2,3,4,5]

[1,4] → [1,2,3,4]

[3,7] → [3,4,5,6,7,8,9]

[9,11] → [9,10,11]

maxx.

[0, maxx].

TC: O(n * maxx).

AS: O(maxx).

$10^4 \times 10^4 = 10^{12}$.

$\sim 10^8 \rightarrow \sim 1$ sec

$10^{12} \rightarrow \sim 10^4$ sec

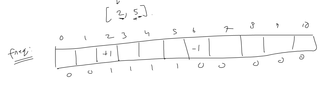
0/8 = 3.

freq:

p	
1	1
2	1
3	3
4	1
5	2
6	1
7	1
8	1
9	2
10	1
11	1

[2, 5]

freq:

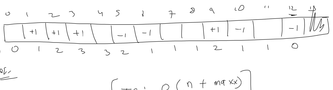


→ [2,5] → [2,3,4,5]

→ [1,4] → [1,2,3,4]

→ [3,7] → [3,4,5,6,7,8,9]

→ [9,11] → [9,10,11]



freq:

TC: O(n + maxx)

AS: O(maxx)