C - Points in Segments

1 4 5 7 7 8 9 10 12 7 4 20
0 1 2 3 4 5 6 7 8 9 10 11

FFF TTT T T T T T

1 4 4 5 7 7 7 8 9 10 12 20

[L,R]
0 1 2 3 45 6 7 8 9 10 11

FT T T T

5 9 10 17

0 1 2 3

[b(7)
$$\Rightarrow$$
 9

0 1 2 3

Step1: Do a sort on the array 6(NdogN)

Step2: Lower Bound (logN)

Step 3: Opper Bound O (logN)

Step 4: Difference 6(1)

$$\begin{bmatrix} -2^{3/} - 2^{3/} \end{bmatrix}$$

$$\begin{bmatrix} 2^{3/} + 1 \end{bmatrix}$$

$$\begin{bmatrix} 2^{3/} + 1 \end{bmatrix}$$

$$7 \begin{bmatrix} 9 \\ 10 \\ 0 \end{bmatrix}$$

$$\begin{bmatrix} 2 \\ 2 \end{bmatrix}$$

$$\begin{bmatrix} 3/2 \\ 2 \end{bmatrix}$$

$$F = \begin{cases} 1 & \text{Tr} \\ 1 & \text{Tr} \\ 4 & \text{Tr} \\ 4 & \text{Tr} \\ 7 & \text{Tr} \\ 7 & \text{Tr} \\ 1 & \text{Tr} \\ 1 & \text{Tr} \\ 1 & \text{Tr} \\ 2 & \text{Tr}$$

Binary Search on a Range

E - Get the Containers

