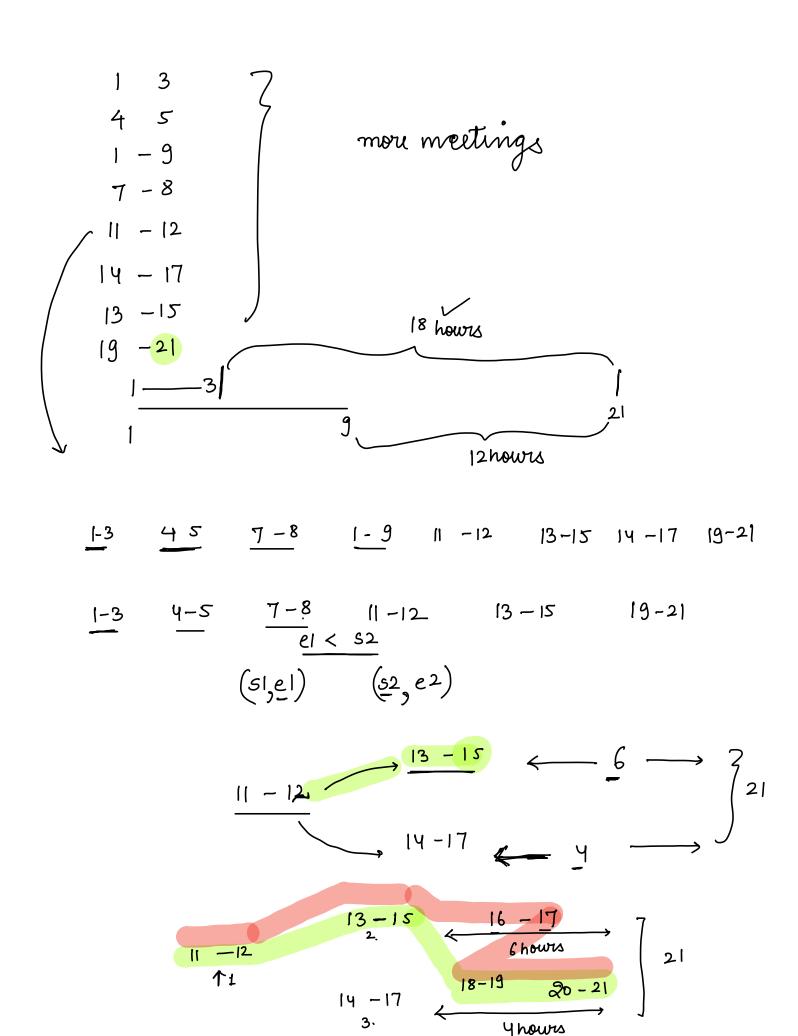
1. Longest substrung without repetition abca bc bb <u>AaaA</u> 1 Acquire release method { bc a } <u>valid</u> ~ longest valid sub. ruliase 5 3++ while (e < N) {
while (interpretation of the control of the contro

$$\frac{e_1 < S_2}{common}$$
 [nothing]

$$\frac{5x^2}{1, 9}$$
  $\frac{5}{1, 9}$   $\frac{2}{5, 7}$ 

Sorting

Sorting on basis
of end point



- 1 Sort on basis ending point 2. Keep taking intervals which are ending first & non-clashing 3. find longest length.

Q3 Sorted and notated array

Search

$$\begin{bmatrix} 3 & 4 & 5 & 1 & 2 \end{bmatrix}$$

$$\uparrow_{i}$$

$$\uparrow_{i+1}$$

$$\uparrow_{i+1}$$

$$\begin{cases} \text{buying on } A[i] \\ \text{Sell} \longrightarrow \text{man } \left(A[i+1] \text{ tell } A[N-1]\right) \end{cases} - \text{biff } \begin{cases} \text{Brofit} \end{cases}$$

Q 5

$$\frac{i \times |\sigma\sigma| + j}{i < N}$$