Partition Array Into Disjoint Interval Thursday, 16 September 2021 8:16 PM	Problem is similar to max. no. of chunks to make commay souted 2 =>
Orray -> Index ->	4 3 6 8 7 II 615 12 19 18 21 27 10 11 0 min 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Sort ->	1 3 4 6 7 8 12 15 18 19 21 27 Pist time.
left Howto solve in	partitionis length: Index +1 = St1 = 6) s reft max a night mbs  O(n) space -> left max and right m'n consuer is touch

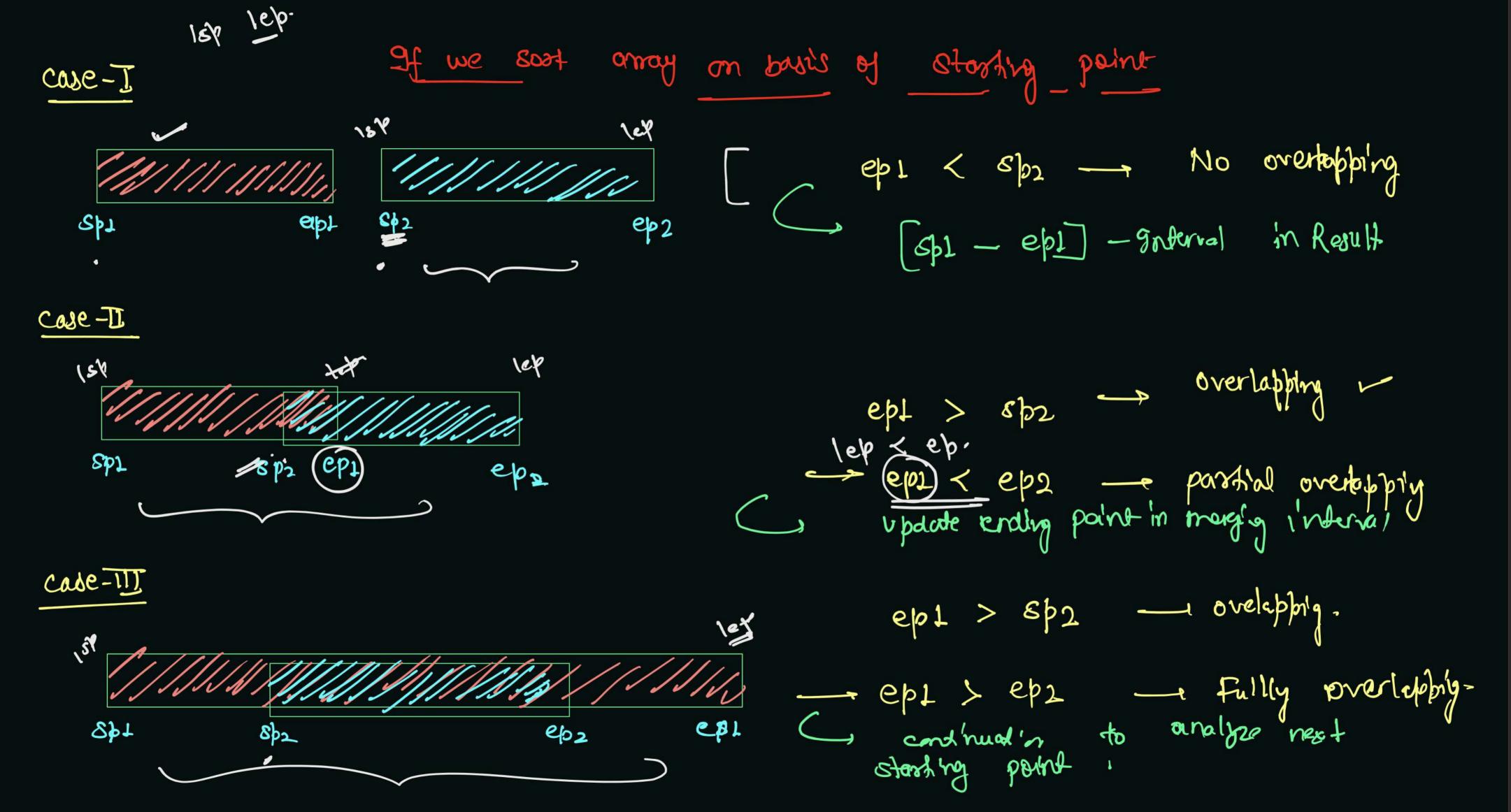
array, 8 2 10 6 12 0 1 2 3 4 leftmax = 8 to 12 max InRun = 18 16 12 46 22 40 1/ To know impact till now 11 to know greator in if (am[i] > maxInRun) Upcame ing Herathery and = 0 1 8 5 if (arr[i] < leftmax) wax. in any = i maxIn Run = am[i]: Runing leftmax = maxInRun Resultzonst1 = St1 = 6 length of left partitions

8:16 PM

## [1,3],[2,6],[8,10],[15,18]

Steps for Solution

- 1 Sost the array on the busis of starting
- Travel and mercy insurvale in list-
- convert List into orray-



Thursday, 16 September 2021

16 PM

[[1,3],[2,4],[6,8],[10,14],[7,9]]

Max no. of meetings at a particular time?? Max. no. of trains at particular time.

3 4 6 7 8 9 10 14 0 --> 0 -->

58 Jan 10 Jan 10