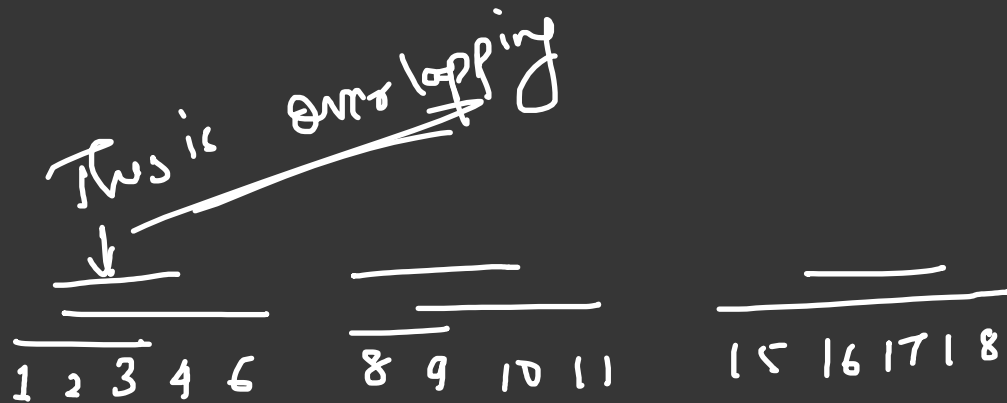


Merge Overlapping Subintervals

$\{1, 3\}$ $(2, 6)$ $(8, 9)$ $(9, 11)$ $(8, 10)$ $(2, 4)$ $(15, 18)$ $(16, 17)$



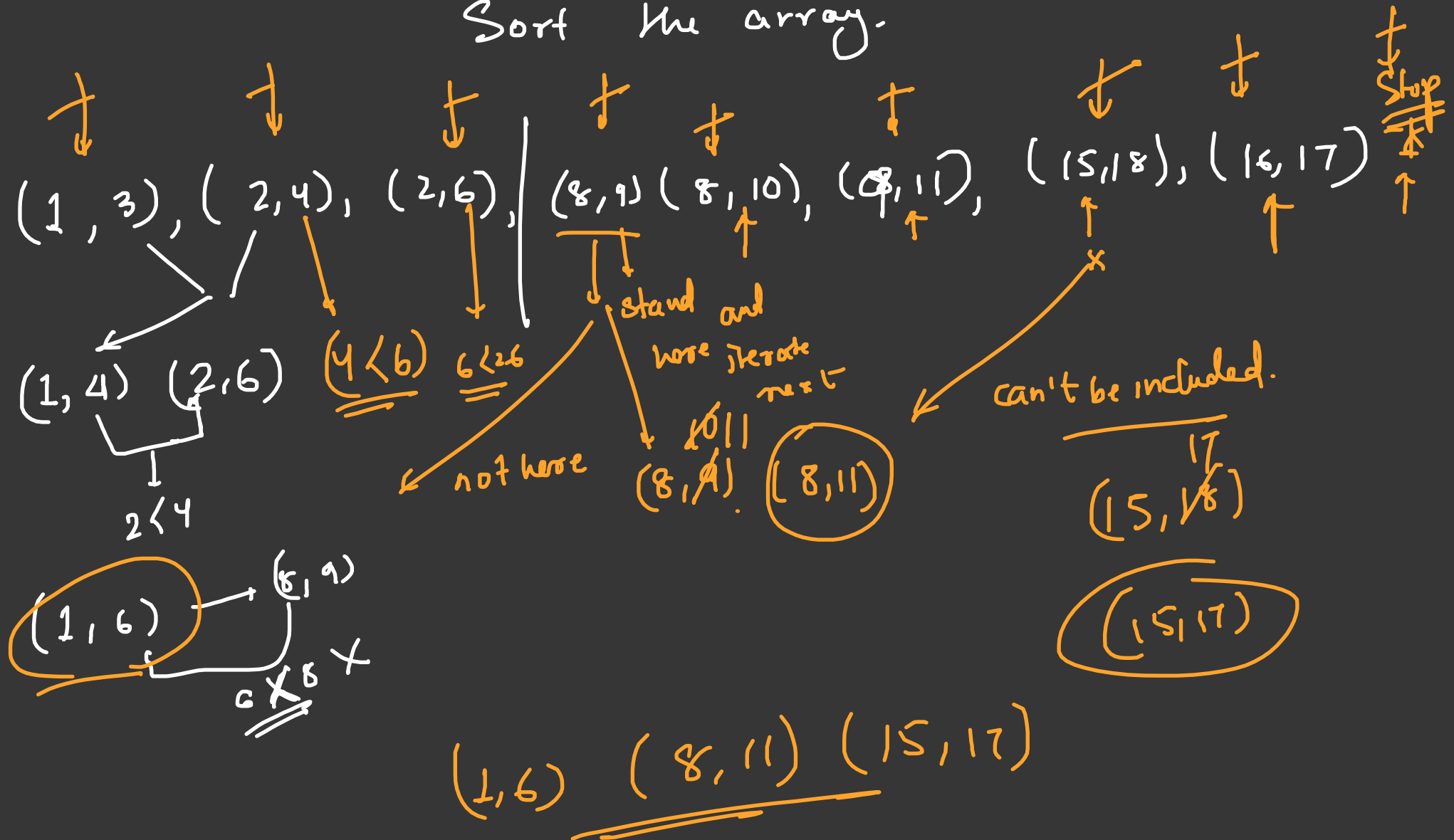
ans. $(1, 6)$, $(8, 11)$, $(15, 18)$

No Overlapping
sub intervals

Brute force:

- We have to club ~~nearby~~ close related number. So,

Sort the array.



T.C.! $O(2N)$ + $O(N \log N)$

Optimal approach:

