Tournament Tree

2 Types: Winner Tree + Loser Tree

Winner Tree:

- A complete binary tree with 2 types of nodes
- A complete binary tree is a binary tree in which every level of the binary tree is completely filled except the last level
- (N) external nodes and (N-1) internal nodes
- External : tournament player
- **Internal**: Match between its two childens. Winner is store in internal node
- Ex. Minimum value will win->min winner tree
- Instead of create tree, you can just used array as representation(as heap)
- Replace winner/Replay o(logn)

Loser Tree:

- Each match node stores the loser rather than the winner
- Replay o(logn)