

## Moore's Majority Voting Algo.

Logic behind Algo :

The logic behind this algo is we have to cut the distinct pairs in an array so, that we will get the last element ~~either~~ such that it will be majority element or will not be a majority ele.

For checking this traverse again through the array & check its freq.

eg. arr = [ 3, 1, 3, 3, 2 ]

cut the distinct pairs

(3, 1) (3, 2)

[ ~~3~~, ~~1~~, 3, ~~2~~, ~~3~~ ]

ans = 3

to check traverse through array

count of "3" = 3 i.e.  $> \frac{n}{2}$