

Moore's Voting Algorithm

are[]=[+,+,5,+,5,1,5,7,5,5,7,7,7,5,5,5] er = 7 Cont= Øx XXXXXO ef=7
3 times
(+++)
(---) -cont =0 If we just consider this array I is definately Not majority el cause majority el (>n/2) 80 majority el mont get fully cancelled by others suppose 47 times (--) So when cost get zeno corpe 2 take next et os et. e1=5 (5 7) e1=5. 55 7 7.

el=se somerer)

el=se somerer)

cont=o+2+0

cont=o+2+0

e1= 5 con+= 012xx4 el= 5 (++++) Now if there exist a majority element then its 5 or else no maj el suppose at the end instead of 5 11111 If Problem States there e1=1 always will exist majority el cn+- 4 then no need of But I isn't 1 this loop may ex So iterate through array to cheek wheather 5 affears > n/2 times
(in e) Intufion - Element that appears > n times cavilla't get cancelled by others. Time complexity: O(N)

Space Complexity: 0(1)