

```
Optimal approach (Moone Voting algorith)
Ty the array contains majority llement, its occurrance must be greater 1/2
-> (ount the minority element and majority element one equal up to certain
   DoiNT
         [2,2,1,1,1,2,2]
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    (nt = xx xx qx2
        (nt 71 sietusin ele
        Plse -1
 -> (ount - Foor tracking count of element element - Jos which element we one counting
7 Tonoverse:
          · Y count is then stone the conventelement of the annay on Element
           · y the customent element and element one the same increase the count by !
             "y they one different decrease by !
 3. The integer present in element should be the result.
               class Solution {
               public:
                   int majorityElement(vector<int>8 nums) {
                      int count=0,res=0;
                      for(auto num:nums){
                                                        > Ty count be come
                         if(count==0){
                                                         zero then new
                            res=num;
                                                         Clement justhese
                                                         so need to count
                         if(res==num){
                           count++;
                                                         new plement
                         else{
count--;
                                                          > Ty Some element
                                                          yound ++
                         // cout<<'c: '<<count<<endl,</pre>
                      return res;
                                                         7 not yound
               };
```