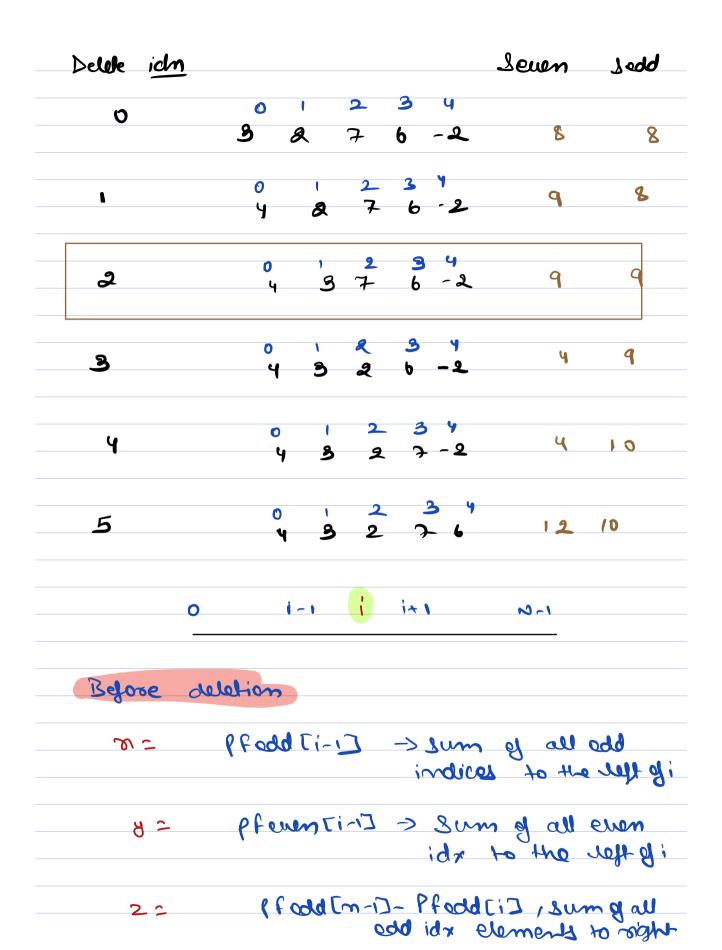
 Today's duck:
delittà anno allegione la importante
builth my denire to improve Everything, I deshoy the
energy way , salaring and
L
Les Egrations,

	y of size no, arked a
queu'es :-	
<b>▼</b>	can be of a type.
if type 1-3	Jum of all even indices
	りし
if type 2 -3	Jum of all odd indices the
0 , 2 3 4 5	5 6 3
2 3 1 - 1 0 9	
s e type	
3 b · · →5	
15 2 -> 10	
Brute Force:	
	but travelled, considering
the night	
	(9*m)
@ Optimize it	
(F) Oftimize it	
0 1 1 11	s 6 <b>3</b>
2 3 1 - 1 O	8 5 Y
Pfeven -> 2 2 3 3 3	988
ffodd > 0 5 5 2 &	
	Pferented- Pferents-13
	•
15 2 -> 10	ffoodTe7- ffood ts-13

```
Pferento]= auto].
         for (i=1; i<m; i++) {
                if (i is even) {
                     pferentis= pferenti-13+ Alis
                 3 else 2
                      Pfeventila Pfevential.
                  7
           3
          PFOOD = 0;
         for (i=1; i<m; i++) &
                if ( i is odd ) {
                     PFORD TIJ= PFORD TI-13+ ATIJ
                 3 else L
                      PFOCUTION PFOCUTION,
                  3
                   T.C > 0 (m)
                    3.C3 0m)
Ques)
          hiven an according of size N, court no
                  of special idx.
                   9 f we delete that i'dn
                    Sum of all addid = sum of all
                     2
                                  -2 -> Am = 2
                3
```



of eventarion leven Ciz, sum of all W 2 even idx elements to right of Of ten deletion: Jum of all odd claments = xxxw Sum of all even element = 8+2 for i to be special 9dz! 70+W = y+2 11 fleudo Code: -11 cuede feuen & pfodd. int c=0; for (1=0, 1< m, 1+1){ 11 is special index on not int Jumeuen = (food[m-1]-Pfood[i] if (1:=0) & sum buen + = pfeuen [i-1] 3 int sum edd = Pfodd [i-1] + lfeventn 17 - lfeven [i]

3 if (sumeum == sumedd) { C++',3

J.C > 0 (N)

Break 9:52-10:02 pm.

→ mazority element:

a no, with freq > w.

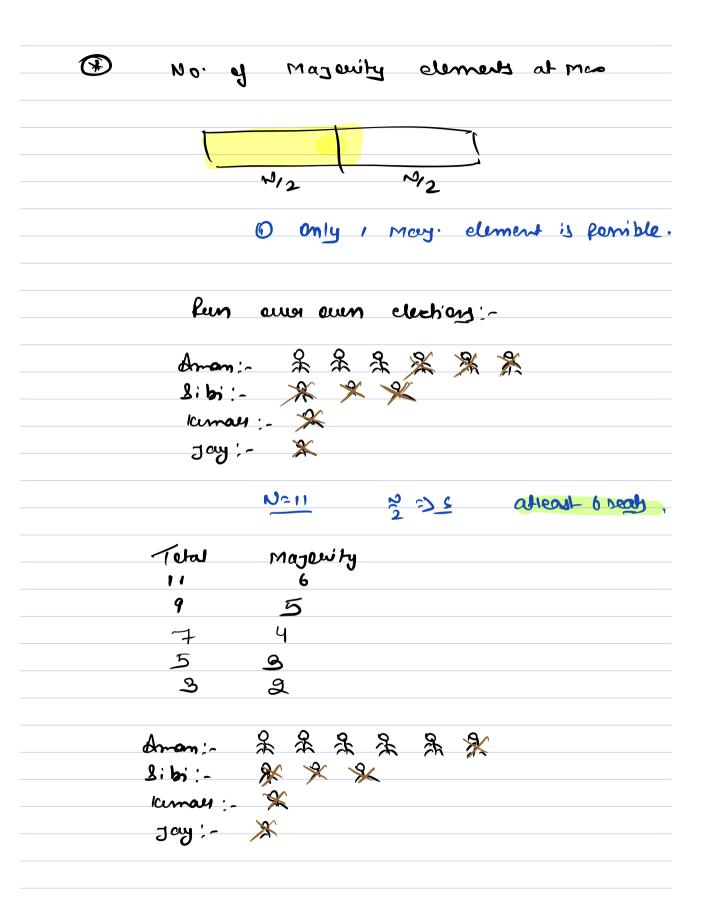
Em1) aut67= 81,6,1,1,2,13, freq > &

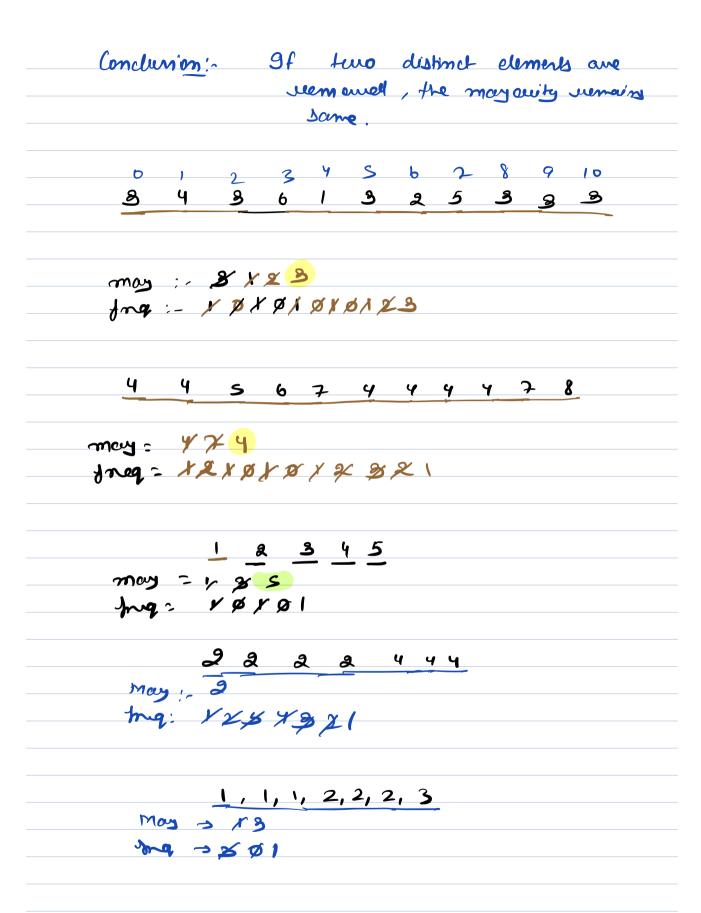
Em2) OU [] = { 3,4,8,6,1,8,2,5,8,3,3,3

En 3) a4[]= 24, 6, 5, 8, 4, 2, 6, 4, 4, 4, 4 } freq > 1/2

Brule force:

- Tics o cos?)
- 2 Hornmap: Tic = 0 cm)
  - B souting: ~ Ticso(nulago)





## Moore's voling Algorithm

when may; > assuring we always

take a mayowite

element, otherwise

oheck.

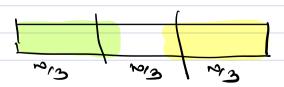
\_ servise i't once

-> Mayouity element (mg)

to be Marquity

my > 13

(10, 10, 20, 30, 10, 10) > × 2 = 2



word formall country of the stand	com
may 1 > 10  10, 10, 20, 30, 10, 10  may 1 > 10  may 1 > 10  may 1 > 10  may 2 > 20  may 3 > 20  may 4 > 20  may 5 > 20  may 6 > 20  may 7 > 20  may 8 > 20  may 8 > 20  may 8 > 20  may 9 > 20  may 1 > 10  may 1 > 10  may 1 > 10	so more sem
$r^{0}/2$ $r^{0}/3$	2
10, 10, 20, 30, 10, 10  may 1 > 10  may 2 > 20  freq > 12, 10, 20, 30, 10, 10, 30  may 1 > 10  may 2 > 20  may 3 > 20  may 4 > 10  may 5 > 20  may 6 > 20	
10, 10, 20, 30, 10, 10  may 1 > 10  may 2 > 20  freq1 > 12 x x x 3 freq2 > 10  -> 10, 10, 20, 30, 10, 10, 30  may 1 > 10  may 1 > 10  may 2 > 20  may	
10, 10, 20, 30, 10, 10  may 1 > 10  may 2 > 20  freq1 > X & X & & freq2 > X 0   > 10, 10, 20, 30, 10, 10, 30  may 1 > 10  may 1 > 10  may 2 > 30 30	<b>1</b>
·	
	30 30
	31 Ø 1
	_

Puzzle!-5 pirales and 100 hold coing: A, B, C, D, E - proposal if son people ude in your former, brokesal is accopted, X ¢, D, E (100) (0) 99 K P L 98

