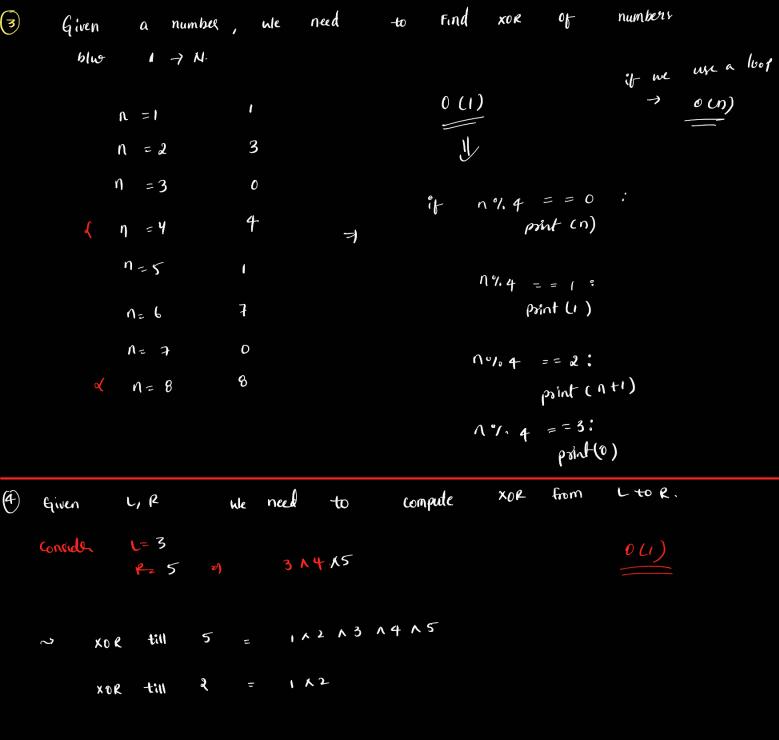
```
One Odd Occurance.
0
      Ly [1,2,3,2,3] => only one occurs once
      011 => 1
                                            112 => 112
                    ru = 0
        start with
                                            (12 13 => 1 12 13
    so
                                            1127312 7 1 13
                                            113/13 =
    2 odd Occurances
(2)
                                         [5,6,10,6,6,10,3,3]
       4 all even occurances
           except & number.
                                      € x012 => 5 16 > 0101 x 0110 >3.
     of Find XOR of all numbers
                                          (2)
     of How to find -she numbers
           result ??
        As we know the set in the
              result means st's different
          XOR
                both numbers.
                          index which is a
          so consider any
                 and also consider which
           Set
                                                        sight most set 13 it
                                                 for Exhattiny the ^
                                                                   which
                 unset.
                                                is last set bit
                 xork them
            and
                                             k = res \ \ell \sim (res - 1)
                                                       1
                       Any but which is set. ( for simplicity
                                               we can take the
                                        Right / Last one which is
                                                  set sit of the
                            6 10 16 10 16 = 6
                                                num· )
         51313
        = 5 /
```



110110

7 110 100

Pawer set was bilivite.

Str = 'abc'

1 = 3

Ls no expressed =
$$z^n = z^3 = 8$$
.

These subsets can be mapped to 8 may representation of numbers

from 0-7

0 000 (1 5 (0) co

1 001 a 6 (10 co

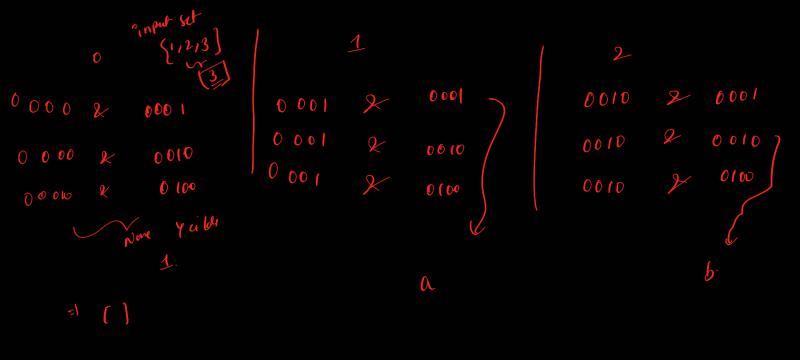
2 010 b 7 (11 abc)

3 011 ab 7 (11 anc)

4 100 c (Fix runny loop)

- compute course of a (Fix runny loop)

- course of a (Fix runny loop)



```
1 '5
         consecutive
Longest
                                              110 []]] 0
                     /(10
               14 =1
                      3
 Approach
    Char
                                    Court
                                             e nountrad
                          sd-
    not
                              Tapel
                                              Count
                            resct
                                     the
                                      TIII
    (3)
                          Shilt
```