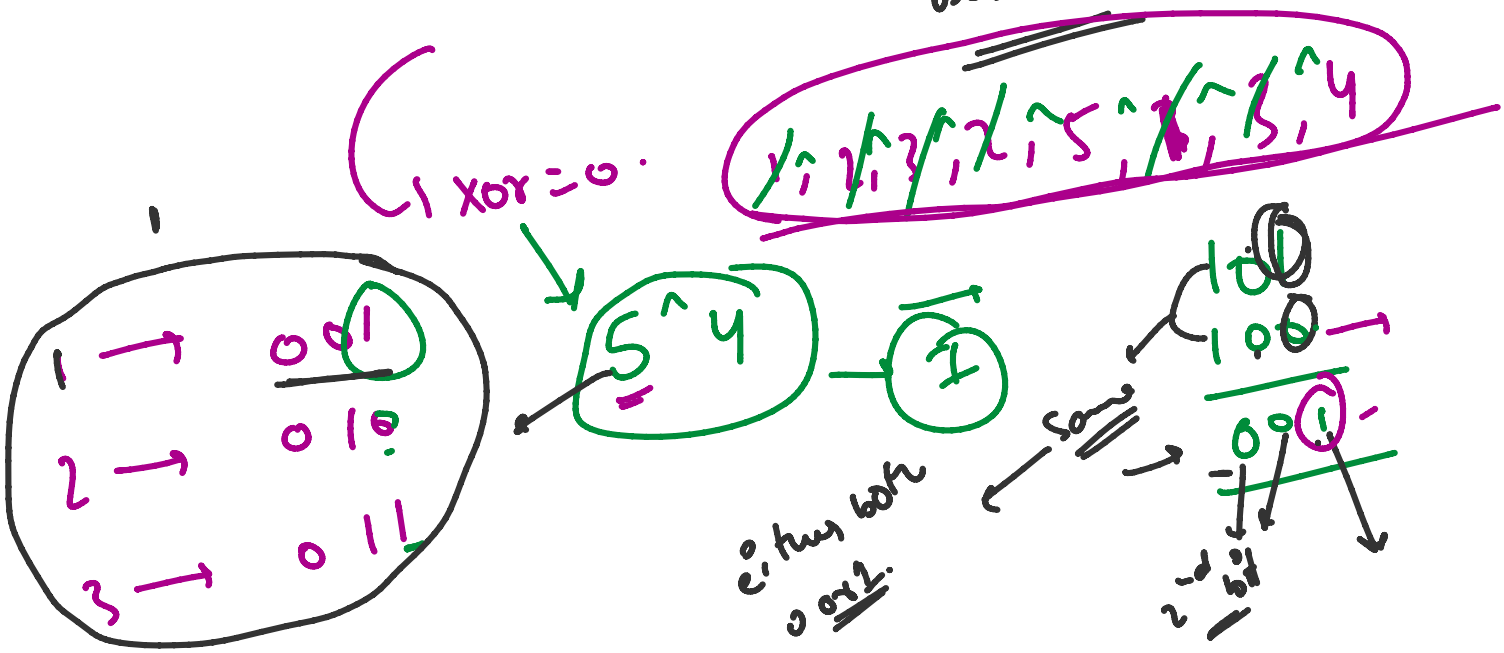
Single num 3

28 June 2023 19:15

each no. appears twice except 2 numbers.

ex :- 1 2 3 2 5 1 3 4

(4, 5) → appears once / rest twice.



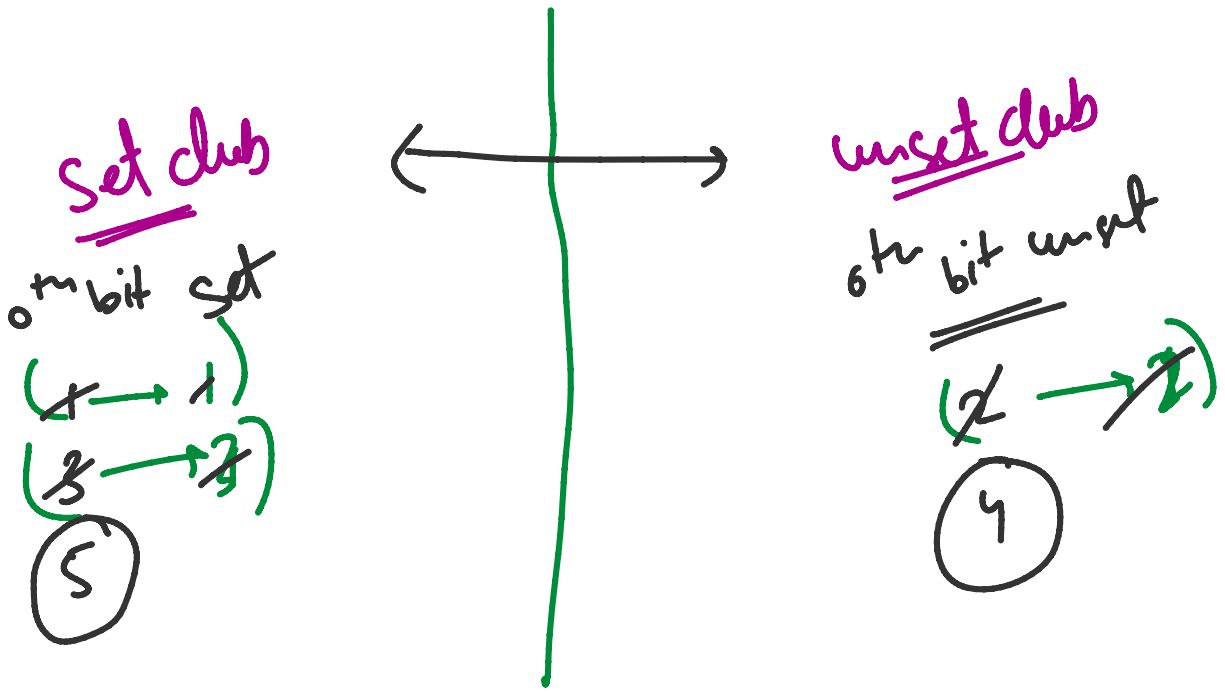
0th bit →

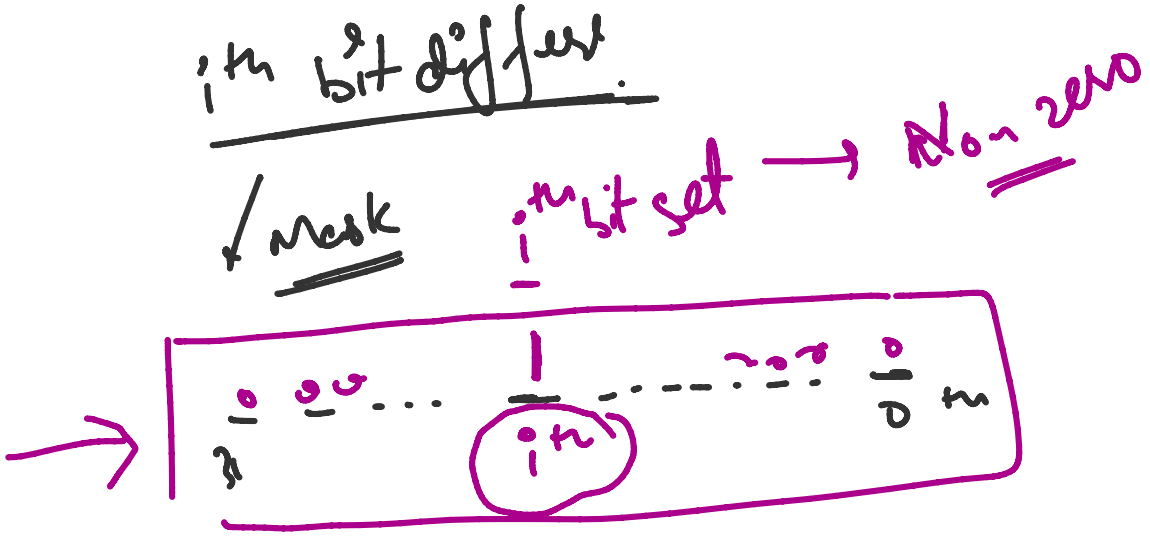
for any bit, each no. has only 2 choices, either that particular bit, will be set in that number or it will be not set.

8 1

3rd - - - 1th - - 0th

1 1






```
while (xor)
{ if (xor bi)
```

```
    break;
  ct++;
  xor >>= 1;
```