$\Rightarrow$ 0 - 7

no of bits $\Rightarrow$ ciel $\left(log_2 \left(max\_number \right) \right)$

0 $\Rightarrow$ 000	3 $\Rightarrow$ 011	5 $\Rightarrow$ 101
1 $\Rightarrow$ 001	4 $\Rightarrow$ 100	6 $\Rightarrow$ 110
2 $\Rightarrow$ 010		
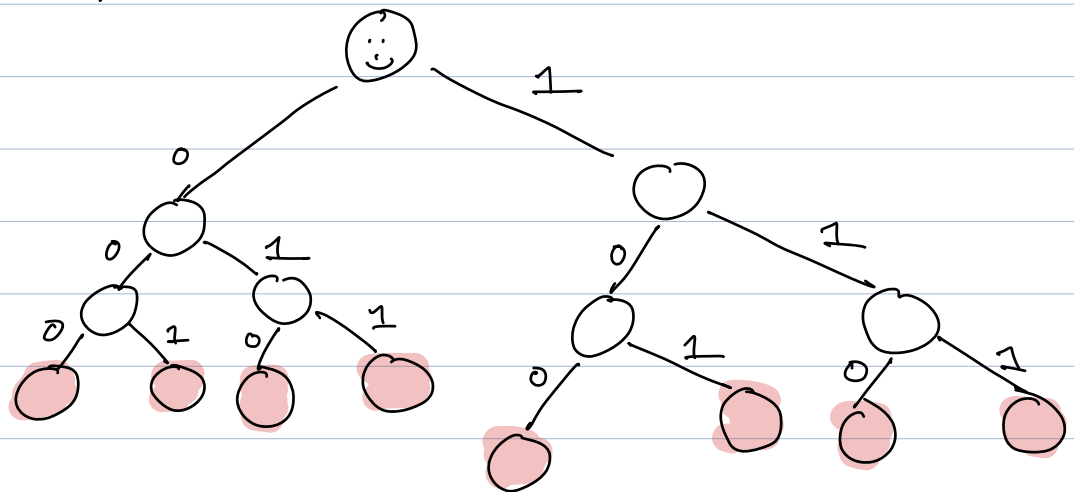

```
Class Node {
    int val;
    Node child [2];
}
```

max xor pair !!

[9 , 8 , 10 , 7]