Flips required a OR b == C

Example a=2 ,b=6,c=5 ( OR operation) ( 1+1 =1 , 1+0 =1) (0+0 =0)

2= 010

6=110

5=101

1) if c ith index =0 ,then bit at same index must be 0 ,0 at a and b

If its has 1 ,1 so we need to change both 1s to 0 , So we increase the counter to 2

2) In the same way if any of the bit of a and b is 1 and the other is 0 , so we need to change the only 1 . so we need only 1 change,increase the counter to 1

3)if c ith index=1, if any of the index of 0 and the other is 1. We need only 1 change

class Solution {

public int minFlips(int a, int b, int c)

{

int result=0;

for(int i=0 ;i<32 ;i++)

{

boolean x=false;

boolean y=false;

boolean z=false;

if((a &(1<<i))>0)

{

x=true;

}

if((b &(1<<i))>0)

{

y=true;

}

if((c &(1<<i))>0)

{

z=true;

}

if(z==false)

{

if(x==true && y==true)

{

result +=2;

}

else if(x==true || y==true)

{

result +=1;

}

}

else

{

if(x==false && y==false)

{

result +=1;

}

}

}

return result;

}

}