

<https://course.acciojob.com/idle?question=f2de87a9-3254-4fad-a157>

-eMEDIUM

Max Score: 40 Points

Reverse Bits

Reverse the bits of an 32 bit unsigned integer A.

Input Format

The only line of input is an integer A.

Output Format

Return a single unsigned integer denoting the decimal value of reversed bits.

Example 1

Input

0

Output

0

Explanation

00000000000000000000000000000000 => 00000000000000000000000000000000

Example 2

Input

3

Output

3221225472

Explanation[illegible]

Constraints

$$\underline{0 \leq A \leq 2^{32}}$$

Topic Tags

Bit Manipulation

Math

5194ac90f1c

My code

```
// in java
```

```
import java.util.*;
```

```
import java.lang.*;
```

```
import java.io.*;
```

```
public class Main
```

 $\{$

```
public static void main (String[] args) throws
```

java.lang.Exception

 $\{$

```
//your code here
Scanner s=new Scanner(System.in);
long n=s.nextLong();
long sum=0L;
// long position=1;
for(int i=1;i<33;i++)
    {
        long r=n%2L;
        n/=2;
        sum=sum*2+r;
        // position*=2;
    }
System.out.print(sum);
}
}
```