Decimal integer to Binary

You will be given a positive decimal number, you have to convert it to equivalent binary representation.

If you do not know how to convert decimal integer to binary, you can watch this video for reference.

Input Format

A positive integer

Constraints

1 <= given number <= 999999999

Output Format

Positive integer represented in binary representation

Sample Input 0

```
1
```

Sample Output 0

```
1
```

Sample Input 1

```
2
```

Sample Output 1

```
10
```

Sample Input 2

```
3
```

Sample Output 2

```
11
```

Sample Input 3

```
4
```

Sample Output 3

```
100
```

Sample Input 4

```
5
```

Sample Output 4

```
101
```

Sample Input 5

```
100
```

Sample Output 5

```
1100100
```

Sample Input 6

```
999999999
```

Sample Output 6

```
11101110011010110010011111111
```

Sample Input 7

```
268435455
```

Sample Output 7

```
11111111111111111111111111111
```

Sample Input 8

```
536870912
```

Sample Output 8

```
10000000000000000000000000000
```

Sample Input 9

```
536870913
```

Sample Output 9

```
10000000000000000000000000001
```