190. Reverse Bits

Easy 4.3K 1.1K

Companies

Reverse bits of a given 32 bits unsigned integer.

Note:

- Note that in some languages, such as Java, there is no unsigned integer type. In this case, both input and output will be given as a signed integer type. They should not affect your implementation, as the integer's internal binary representation is the same, whether it is signed or unsigned.
- In Java, the compiler represents the signed integers using 2's complement notation. Therefore, in **Example 2** above, the input represents the signed integer `-3` and the output represents the signed integer `-1073741825`.

Example 1:

```
Input: n =
00000010100101000001111010011100
Output:    964176192
(00111001011110000010100101000000)
Explanation: The input binary string
00000010100101000001111010011100
represents the unsigned integer
43261596, so return 964176192 which
its binary representation is
00111001011110000010100101000000.
```

Example 2:

```
Input: n =
11111111111111111111111111111101
Output:   3221225471
(10111111111111111111111111111111)
Explanation: The input binary string
11111111111111111111111111111101
represents the unsigned integer
4294967293, so return 3221225471 which
its binary representation is
```

You need to Login/Sign up to run or submit

Console Run Submit