190. Reverse Bits

Reverse bits of a given 32 bits unsigned integer.

Example 1:

Input: 00000010100101000001111010011100
Output: 00111001011110000010100101000000

Explanation: The input binary string 00000010100101000001111010011100 represents the unsigned integer 43261596, so return 964176192 which its

binary representation is 00111001011110000010100101000000.

Example 2:

```
1 package com.leetcode;
3 * 思想: 做位运算,那么依次将原数从左到右进行判断,取出移动的位是0还是1,然后加到反转结果上
5 * 其中涉及到左移、右移,&运算的规则是相同的位上是1,否则结果为0,然后补在结果上6 */
7 public class L190 {
89 public int reverseBits(int n) {
9
      int result = 0;
10
       for(int i = 0; i < 32; i ++) {</pre>
11
           if((n & 1) == 1) {
               result = (result << 1) + 1;
12
13
           }else {
14
               result = result << 1;
15
         }
16
            n = n >> 1;
17
        }
18
        return result;
19
20 }
21
```