1256. Encode Number `Premium`

`Medium` 🏷 Topics 📖 Companies 💡 Hint

Given a non-negative integer `num`, Return its *encoding* string.

The encoding is done by converting the integer to a string using a secret function that you should deduce from the following table:

n	f(n)
0	""
1	"0"
2	"1"
3	"00"
4	"01"
5	"10"
6	"11"
7	"000"

Example 1:

```
Input: num = 23
Output: "1000"
```

Example 2:

```
Input: num = 107
Output: "101100"
```

Constraints:

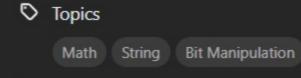- `0 <= num <= 10^9`

Seen this question in a real interview before?   1/5
Yes   No

Accepted **8K** | Submissions **11.4K** | Acceptance Rate **70.0%**

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Math   String   Bit Manipulation

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💡 Hint 1   ⌃

Try to find the number of binary digits returned by the function.

💡 Hint 2   ⌃

The pattern is to start counting from zero after determining the number of binary digits.

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