

1256. Encode Number

Medium [Add to List](#) [Share](#)

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	"0"
1	"1"
2	"11"
3	"100"
4	"01"
5	"10"
6	"11"
7	"000"

Example 1:

Input: num = 23
Output: "1000"

Example 2:

Input: num = 187
Output: "101100"

Constraints:

- 0 ≤ num ≤ 10⁹

Accepted 3,197 | Submissions 4,913

Seen this question in a real interview before?

Contributor



Companies



Related Topics



```

1 class Solution(object):
2     def encode(self, num):
3         """
4         :type num: int
5         :rtype: str
6         """
7 
```