

Description

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1256. Encode Number Premium

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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:

- $0 \leq \text{num} \leq 10^9$