

# Amusing numbers

Amusing numbers are numbers consisting only of digits 5 and 6. Given an integer **k** , display the **k**-th amusing number.

## Input

First line consists of integer **N** representing number of test cases

Next **N** lines consist of **N** integers ( $1 \leq k \leq 10^{15}$ )

## Output

**N** lines each displaying corresponding **k**-th amusing number

## Example

**Input:**

2  
1  
5

**Output:**

5  
65