

### A. Power of 8

time limit per test: **1 second**

memory limit per test: **256 megabytes**

input: **A.inp**

output: **A.out**

Given an integer  $n$ , find the last digit of  $8^n$

#### Input

Integer  $n$  ( $0 \leq n \leq 10^9$ )

#### Output

Integer, the last digit of  $8^n$

#### Example

input
1
output
8