

N - DIGIT NUMBERS

How many n-digit whole numbers are there?

Input

The first line of input consists of an integer t denotes the number of test cases. Then for the next t lines each line consists of an integer n .

Output

For each n output the number of n -digit whole numbers.

Constraints

$$1 \leq t \leq 100$$

$$1 \leq n \leq 1000$$

Example

Input:

1
1

Output:

10