B. Ordinary Numbers

time limit per test: 2 seconds
memory limit per test: 256 megabytes
input: standard input
output: standard output

Let's call a positive integer n ordinary if in the decimal notation all its digits are the same. For example, 1, 2 and 99 are ordinary numbers, but 719 and 2021 are not ordinary numbers.

For a given number n, find the number of ordinary numbers among the numbers from 1 to n.

Input

The first line contains one integer t ($1 \le t \le 10^4$). Then t test cases follow.

Each test case is characterized by one integer n ($1 \le n \le 10^9$).

Output

For each test case output the number of ordinary numbers among numbers from 1 to n.

Example

input	Copy

```
6
1
2
3
4
5
100
```

output	Copy

```
1
2
3
4
5
18
```

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