



i Reminder: in case of any technical issues, you can use the lightweight website <u>m1.codeforces.com</u>, <u>m2.codeforces.com</u>, <u>m2.codeforces.com</u>, <u>m3.codeforces.com</u>.

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS STANDINGS CUSTOM INVOCATION

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 ($1 \le n \le 10^9$).

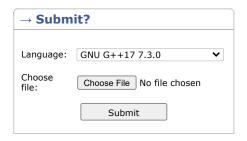
Output

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

Example



Codeforces Round #719 (Div. 3) Contest is running 00:45:15 Contestant



| → Last submissions | | |
|--------------------|----------------------|------------------------|
| Submission | Time | Verdict |
| 115258806 | May/05/2021 18:13 | Wrong answer on test 2 |
| 115245111 | May/05/2021 18:01 | Wrong answer on test 2 |

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The only programming contests Web 2.0 platform
Server time: May/05/2021 21:19:28^{UTC+5.5} (f2).
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