Eleven!

Description

One, Two, Three, Four, Five, Six, Seven, Eight, Nine, Ten, Eleven… Oh I don't like eleven! It makes me think about the fact that I am single, just like why I hate Singles' Day (11/11).

More than this, I don't like numbers that contains `11` in its decimal representation, either. For example, I don't like both `11` and `7110`. More than that, I don't like numbers divisible by 11, either. For example, I don't like both `11` and `77`. All other numbers like `514`, `50216` are fine.

Can you tell me how many integers are fine between 1 and n?

Input

The first line contains an integer T indicating the total number of test cases. Each test case contains a integer n in one line.

- $1 \leq T \leq 20000$
- $1 \leq n \leq 10^{18}$

Output

For each test case, please output the number of fine integers between 1 and n in one line.

Sample Input

```
3
10
11
514
```

Sample Output

```
10
10
455
```