# **Special Multiple**



You are given an integer N. Can you find the least positive integer X made up of only 9's and 0's, such that, X is a multiple of N?

## **Update**

X is made up of one or more occurences of 9 and zero or more occurences of 0.

## **Input Format**

The first line contains an integer T which denotes the number of test cases. T lines follow. Each line contains the integer N for which the solution has to be found.

## **Output Format**

Print the answer *X* to STDOUT corresponding to each test case. The output should not contain any leading zeroes.

#### **Constraints**

```
1 \le T \le 10^4

1 \le N \le 500
```

# **Sample Input**

```
3
5
7
1
```

## **Sample Output**

```
90
9009
9
```

## **Explanation**

90 is the smallest number made up of 9's and 0's divisible by 5. Similarly, you can derive for other cases.

**Timelimits** Timelimits for this challenge is given here