



## E - Corrupted Gradebook

A gradebook has been corrupted so that the columns have been removed. Each student's record simply contains a single string of digits. Knowing that the string of digits must have come from  $G$  different assignments (each with a possible integer grade between 0 and 100, inclusive), parse the string so that the average of the  $G$  grades is maximized. No grade other than 0 will start with the digit 0 (i.e. there are no leading zeros in any grade). Print out the average for the given grades, rounded to the nearest integer.

### Input

The first line of input contains the number of test cases,  $c$  ( $1 \leq c \leq 100$ ). Each of the following  $c$  lines contains an integer  $G$  ( $1 \leq G \leq 25$ ) indicating the number of grades, followed by a string of digits containing the corrupted grades.

### Output

For each test case, output a single line containing the maximum average grade possible.

### Sample Input

```
3
2 835
2 100
1 100
```

### Sample Output

```
44
5
100
```