

Reading

Jojo is reading a book consisting of N pages, numbered from 1 to N. Every time he finishes reading a page with a number divisible by M, he writes down the last digit of that number. If he has finished reading all pages of the book, what is the sum of the number that he wrote?

Format Input

The first line is an integer T which shows the number of test cases.

For each test case, there will be 1 line consisting of 2 integers N and M, the number of pages and the divisor, respectively.

Format Output

For each test case, output 1 line in the form of "Case #X: Y". X is the number of test cases, and Y is the sum of the number that Jojo wrote.

Constraints

- $1 \le T \le 100$
- $1 \le M \le N \le 10^{15}$

Sample Input 1 (standard input)

Sample Output 1 (standard output)

Case #1: 48
Case #2: 5

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Jojo sedang membaca buku yang terdiri dari N halaman, diberi nomor dari 1 sampai N. Setiap kali dia selesai membaca halaman dengan angka yang habis dibagi dengan M, dia menuliskan angka terakhir dari angka itu. Jika dia selesai membaca semua halaman buku, berapakah jumlah dari angka yang dia tulis?

Format Input

Baris pertama adalah sebuah bilangan bulat T yang menyatakan banyak kasus uji. Untuk setiap kasus uji, akan ada 1 baris yang terdiri dari 2 bilangan bulat N dan M yang menyatakan banyak halaman dan pembagi, secara berurutan.

Format Output

Untuk setiap kasus uji, output 1 baris dengan format "Case #X: Y". X adalah nomor kasus uji, dan Y adalah jumlah dari angka yang Jojo tulis.

Constraints

- $1 \le T \le 100$
- $1 \le M \le N \le 10^{15}$

Sample Input 1 (standard input)

Sample Output 1 (standard output)

Case #1: 48
Case #2: 5

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