Purrhaps a Jog?

Input file:	`standard input`
Output file:	`standard output`
Time limit:	1 second
Memory limit:	256 megabytes

Meow loves taking walks and jogs around the city, to the point where it knew the number of steps, a it'd need to finish a full lap for each town! One day, Meow wanted to train his algorithmic and mathematic skills while jogging! So, it started counting the number of steps, and jotting down the last digit of the steps it has taken when the number of steps taken reaches the number divisible by b.

For example, if Meow reaches the 105th step (a), and the divider Meow has chosen is 24 (b), the steps divisible will be 24, 48, 72, 96. Their last digits will then be 4, 8, 2 and 6. After the run, Meow then wants to sum up this number! (Total sum of last digit= 20)

Now, Meow wants to develop its skills even further, but it doesn't know if it's calculating the numbers correctly. Your job is to develop an algorithm to help Meow calculate the sum of all last digits that Meow has written down! The number of towns (test cases) that Meow runs through will be indicated with an n.

Input

First line is the number of test cases ($1 \leq n \leq 1000$).

The following n lines contains each test case (towns that Meow has ran in). Each test case has 2 integers, a and b ($1 \leq a, b \leq 10^9$) where a that indicates the total steps jogged; b indicates the divisor chosen.

Output

Print the integer for each query, the sum of the last digits written down by Meow.

Example

standard input	standard output
5 1 1 105 24 111 21 313 24 198273 28	1 20 15 54 28328