

1214 – Large Division

Given two integers, **a** and **b**, you should check whether **a** is divisible by **b** or not. We know that an integer **a** is divisible by an integer **b** if and only if there exists an integer **c** such that **a = b * c**.

Input

Input starts with an integer **T** (≤ 525), denoting the number of test cases.

Each case starts with a line containing two integers **a** ($-10^{200} \leq a \leq 10^{200}$) and **b** ($|b| > 0$, **b fits into a 32 bit signed integer**). Numbers will not contain leading zeroes.

Output

For each case, print the case number first. Then print '**divisible**' if **a** is divisible by **b**. Otherwise print '**not divisible**'.

Sample Input	Output for Sample Input
6	Case 1: divisible
101 101	Case 2: divisible
0 67	Case 3: divisible
-101 101	Case 4: not divisible
7678123668327637674887634 101	Case 5: divisible
11010000000000000000 256	Case 6: divisible
-202202202202000202202202 -101	