# Problem T. Large Division

**Time limit** 1000 ms
**Mem limit** 65536 kB

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 ($-10^{200} \le a \le 10^{200}$)** and **b (|b| > 0, b fits into a 32 bit signed integer)**. Numbers will not contain any 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 |
|---|---|
| 6<br>101 101<br>0 67<br>-101 101<br>767812366832763767488763 4 101<br>11010000000000000000 256<br>-202202202202000202202202 -101 | Case 1: divisible<br>Case 2: divisible<br>Case 3: divisible<br>Case 4: not divisible<br>Case 5: divisible<br>Case 6: divisible |