## Divisibility Check

If $i$ ask you: is number 15 divisible by 3 ? How can you say yes, 15 is divisible 3 ? I think you will just check, if 15 mod by 3 is 0 then Yes, otherwise No. But if I give you a binary number like 1111 and ask is this binary's decimal number is divisible by 3 ? Now its your task to find out the divisibility.

## Input

Input file starts with a test case $\mathrm{T}(1<=\mathrm{T}<=100)$. Each test case follows a bainary string which will contain at most 200 characters and a divisibility checking number $\mathrm{N}(2<=\mathrm{N}<=5)$.

## Output

If the binary number divisible by N then print "Divisible By N" otherwise "Not Divisible By N". N means The divisibility checking number N .

## Example

Input:
2
1111
3
101
2

## Output:

Divisible By 3
Not Divisible By 2

