**2683 - Base B**

## Description

Given a number N in it's representation in decimal base you want to convert this number in a base b (2 <= b <= 16).
For the representation of the base 11 to 16, use the letters A through F to represent the digits from 10 to 15.

Example:
1615 base 10 = 64F base 16

## Input specification

The first line of input will contain a number t (1 <= t <= 100) the number of cases for each case a number N
(1 <= N <= 1000000) in base decimal and a number b (1 <= b <= 16) representing the base.

## Output specification

For each case, print the number N in base b.

## Sample input

```
4
456 10
856 16
523 8
1024 2
```

## Sample output

```
456
358
1013
10000000000
```

## Hint(s)