

## 13131 Divisors

Ailin is a girl who likes numbers. This time she learned to calculate the sum of the divisors of a number. Her father, realizing she learns very fast, decides to ask her a more interesting version of that problem: Calculates the sum of the divisors of  $N$  which are not multiples of  $K$ .

### Input

The first line contains a integer  $T$ , the number of cases ( $1 \leq T \leq 10^5$ ). Each of the following lines  $T$  contains two integers  $N$  and  $K$  ( $1 \leq N, K \leq 5 \cdot 10^5$ ).

### Output

The output will contain  $T$  lines, each with the expected answer with the sum of divisors.

### Sample Input

```
5
20 2
10 1
20 5
7 5
20 40
```

### Sample Output

```
6
0
7
8
42
```