

## Problem L: Looking at Divisors

Time Limit: 5 seconds

### Description

Let  $d(n)$  be the sum of all divisors of  $n$ . For example  $d(6)=1+2+3+6=12$ . Given integers  $n$  and  $k$ , compute the sum of all integers  $m$  for  $1 \leq m < n$ , such that  $d(m)$  is a multiple of  $k$ , i.e.  $d(m) = l*k$ , where  $l$  is a positive integer.

### Input

A number of of inputs ( $\leq 100$ ), each start with the number of value of integers  $n, k$  ( $1 \leq n, k \leq 10000000$ ).

### Output

Output the answer modulo **1000000007**.

### Sample Input

```
10 5
20 5
```

### Sample Output

```
8
27
```