

## 13197 Cuberoot This

Given a prime  $p$ , and a constant  $0 < a < p$ . Find all  $x$  such that  $x^3 \equiv a \pmod{p}$ .

### Input

Each input is on one line ( $\leq 1000$  inputs), with  $a$  and  $p$  ( $p < 1000$ ).

### Output

Output all  $x < p$  satisfying the condition above in increasing order. Print a blank line if there are none.

### Sample Input

```
2 31
```

### Sample Output

```
4 7 20
```