# One Chicken Per Person!

Dr. Chaz is hosting a programming contest wrap up dinner. Dr. Chaz has severe OCD and is very strict on rules during dinner, specifically, he needs to be sure that everyone take *exactly* 1 piece of chicken at his buffet, even if that will result in an enormous amount of leftovers. This is why every year before the dinner, Dr. Chaz would give a powerful speech: "Everyone, *one chicken per person!*"

However, Dr. Chaz does not always have an idea how many pieces of chicken he needs, he believes if there are $N$ people at the buffet and everyone takes exactly 1 piece of chicken, providing $M$ pieces of chicken will be perfect, i.e., is enough and will have no leftovers. Help Dr. Chaz find out whether his decision is good or not!

## Input

The first line contain integers $0 \le N \le 1\,000$, $0 \le M \le 1\,000$, $N \ne M$ , the number of people at the buffet and the number of pieces of chicken Dr. Chaz is providing.

## Output

Output a single line of the form "Dr. Chaz will have $P$ piece[s] of chicken left over!", if Dr. Chaz has enough chicken and $P$ pieces of chicken will be left over, or "Dr. Chaz needs $Q$ more piece[s] of chicken!" if Dr. Chaz does not have enough pieces of chicken and needs $Q$ more.

### Sample Input 1

```
20 100
```

### Sample Output 1

```
Dr. Chaz will have 80 pieces of chicken left over!
```

### Sample Input 2

```
2 3
```

### Sample Output 2

```
Dr. Chaz will have 1 piece of chicken left over!
```

### Sample Input 3

```
10 1
```

### Sample Output 3

```
Dr. Chaz needs 9 more pieces of chicken!
```