

Budget

Problem ID: a02p03budget

You are a member of the newly formed Mars colonization effort. Your job is to budget for three projects: the cloud seeding project, the equatorial magnetizer, and the space elevator. Given a budget, and the cost of the three projects, determine if all projects can be started immediately.

Input

Input consists of four lines.

The first line consists of one integer b , the budget. $-10^6 \leq b \leq 10^6$

The second line consists of one integer p_1 , the cost of the cloud seeding project. $-10^6 \leq p_1 \leq 10^6$

The third line consists of one integer p_2 , the cost of the equatorial magnetizer project. $-10^6 \leq p_2 \leq 10^6$

The fourth line consists of one integer p_3 , the cost of space elevator project. $-10^6 \leq p_3 \leq 10^6$

Output

If all projects can be started immediately, print `Budget is sufficient.`, else print `Budget is insufficient.`

Sample Input 1

```
59
11
21
27
```

Sample Output 1

```
Budget is sufficient.
```

Sample Input 2

```
51
11
12
27
```

Sample Output 2

```
Budget is sufficient.
```

Sample Input 3

```
30
11
11
27
```

Sample Output 3

```
Budget is insufficient.
```