

Liquid density

You are given 3 different liquids (Oil, Water, and Honey) each filled in different 1 litre bottles labelled A, B and C. Density of oil < Density of water < Density of Honey. You are not allowed to see the liquid's colour. You can only weigh the 3 bottles and you have to find the 3 liquids. You are given the weigh results as input. Print the bottle labels in the order of Oil, Water, and Honey.

Input Format

3 lines each containing the result of 1 weighing test. $A < B \rightarrow$ Weight of bottle A is less than weight of bottle B $C > B \rightarrow$ Weight of bottle C is greater than weight of bottle B

Constraints

No two bottles will have the same weight. $A \neq B$ $B \neq C$ $C \neq A$

Output Format

Print the bottle labels (without spaces) in the order of increasing densities.

Sample Input 0

```
A<C
B<A
B>C
```

Sample Output 0

```
Impossible
```

Sample Input 1

```
A<B
A<C
B>C
```

Sample Output 1

```
ACB
```