

MNYC '17: Hurontario

Time limit: 0.6s **Memory limit:** 256M

Hurontario is a cool street name. It contains both *Huron* and *Ontario*. They share two letters, `on`. Given two strings *A* and *B*, create the smallest string that starts with *A* and ends with *B*.

Constraints

For 40% of the points, the length of each string is at most 1000.

For the remaining 60% of the points, the length of each string is at most 1 000 000.

Input Specification

A single line will contain two space separated strings consisting of only uppercase Latin characters, *A* and *B*.

Output Specification

A single string described in the problem statement.

Sample Input 1

```
HURON ONTARIO
```

Sample Output 1

```
HURONTARIO
```

Sample Input 2

```
NEW YEARS
```

Sample Output 2

```
NEWYEARS
```

Sample Input 3

YEAR EARWIG

Sample Output 3

YEARWIG