

Triway Cup '18 Summer F - Forget Me Not

Time limit: 2.0s **Memory limit:** 256M

The black foxen are the arch enemies of Tushan: they corrupt the love of reincarnated soulmates by absorbing their memories. This allows the black foxen to steal their pledge of love and the resulting spirit power.

The black foxen would like to prioritize a victim's memories, starting with the most important one. They have converted each memory to an integer, with up to 1 million digits (this will not fit in int data type). For this problem, the black foxen have hired you to compare two memories and print the one which is higher.

Given 2 non-negative integers S and T on different lines, where both S and T are less than $10^{100\,000}$. The number may contain leading zeros. If S is larger than T output `S`, if T is larger than S output `T`, otherwise output `E`.

Sample Input

```
123456765434567652143783748374938274932798478329749328
0432874832787589275324893729562839478
```

Sample Output

```
S
```