DMPG '19 B2 - Rectangular Molecules

Time limit: 2.0s **Memory limit:** 64M

Some molecules consist of 4 groups arranged in a rectangle. Let's call them **rectangular molecules**.

Each of the 4 groups has a different weight. If the two heaviest groups are at opposite corners of the rectangle, the molecule is a **trans** (Latin for "the other side of") molecule; otherwise, it is a **cis** (Latin for "this side of") molecule.

Given the weights of each of the 4 groups of a rectangular molecule, please determine if it is a trans or cis molecule.

Input Specification

Four distinct space-separated integers between 1 and $1\,000$ inclusive, the weights of the groups at the four corners of the molecule in clockwise order.

Output Specification

Output `trans` if the molecule is a trans molecule or `cis` if it is a cis molecule.

Sample Input 1

```
3 1 4 2
```

Sample Output 1

```
trans
```

Sample Input 2

```
8 23 5 7
```

Sample Output 2

```
cis
```