CMPUT 274 - Tangible Computing
Morning Problem: Similar Movie Scores

Description

Three food critics are sampling your signature dish. They each give a numeric score: a 0 is the worst possible score. But there are no standards, they can give marks that are arbitrarily high.

You want to see how much consensus the critics have. You have more confidence in their evaluation if the scores are the same, and less if they are different.

Your goal is simple: look at the three scores and indicate if all are the same, if they are all distinct, or otherwise.

Input

The input will be line consisting of exactly three integers between 0 and 10^9.

Output

Your program should output a single line containing one of the following three words:

- **same** - if all three numbers are the same

- **distinct** - if all three numbers are distinct

- **similar** - otherwise

Sample Input 1

```
5 5 5
```

Sample Output 1

```
same
```

Explanation: All three are identical.

Sample Input 2

```
3 1 3
```

Sample Output 2

```
similar
```

Explanation: There are two instances of the number 3, but not all are identical.

Sample Input 3

```
2 5 4
```

Sample Output 3

```
distinct
```

Explanation: All numbers are different.

Sample Input 4

```
3 3 1
```

Sample Output 4

```
similar
```

Explanation: Two of the numbers are the same.