Program to rotate a given string. If 2 strings are equal then print 1 else print -1.

Given 2 strings.

Ip: sample

Mplesa

Op: 1

Ip: sample

mplase

Op:-1

Ip: abc

cba

Op: 1

Ip: ab

Aa

Op: -1

Input Format

Input contains two strings

Constraints

1 ≤ string_length ≤ 1000

Output Format

If 2 strings are equal then print 1 else print -1

Sample Input 0

```
sample
mplesa
```

Sample Output 0

```
1
```