Control C102A P82374_en

Write a program that, given five integers x, a, b, c, d, determines if $x \in [a, b] \cup [c, d]$.

Input

The input is five integers x, a, b, c, d.

Output

The output is a line with the text "`yes`" if $x \in [a, b] \cup [c, d]$ and the text "`no`" otherwise.

Sample input 1

```
10 5 15 2 6
```

Sample output 1

```
yes
```

Sample input 2

```
-3 -5 10 8 12
```

Sample output 2

```
yes
```

Sample input 3

```
6 2 2 9 12
```

Sample output 3

```
no
```

Sample input 4

```
6 6 12 18 30
```

Sample output 4

```
yes
```

Sample input 5

```
6 12 3 4 5
```

Sample output 5

```
no
```

Problem information

Author: Professorat de P1
Translator: Gabriel Valiente

Generation: 2026-07-14T14:10:16.896Z

© *Jutge.org*, 2006–2026.
https://jutge.org