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The Virtual Learning Environment for Computer Programming

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.

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10 5 15 2 6

Sample input 2

-3 -5 10 8 12

Sample input 3

6 2 2 9 12

Sample input 4

6 6 12 18 30

Sample input 5

6 12 3 4 5

Problem information

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Sample output 1

yes

Sample output 2

yes

Sample output 3

no

Sample output 4

7700

Sample output 5

no