

# Mock CCC '18 Contest 2 J4/S2 - A Geometry Problem

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**Time limit:** 1.0s    **Memory limit:** 1G

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You are given three rectangles. Determine if it is possible to arrange the three rectangles, perhaps with rotation, to form a square without the rectangles overlapping.

## Constraints

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The lengths and widths of the rectangles are positive integers between 1 and 100.

## Input Specification

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The input consists of three lines. Each of the three lines contains two positive integers, the length and width of one of the rectangles.

## Output Specification

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Print, on a single line,  YES if it is possible to form a square.

Print, on a single line,  NO otherwise.

## Sample Input

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```
8 2
1 6
7 6
```

## Sample Output

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```
YES
```