## Four Square

## Problem ID: foursquare <br> Time limit: 4 seconds

Inspired by a Piet Mondrian painting, you want to make a four-pane window out of four colored rectangles of glass. You are given the sizes of the four panes of glass. Can you arrange them into a square? You may rotate the panes. The panes should cover the entire square without overlap.

## Input

The input consists of exactly four lines. Each of the four lines contains two integers $w$ and $h(1 \leq w, h \leq 1000)$, representing the width and height of one of the four rectangular panes of glass.

## Output

Output a single integer, which is 1 if the four panes can be arranged to form a square, and 0 otherwise.

| Sample Input 1 | Sample Output 1 |
| :---: | :---: |
| 11 | 1 |
| 11 |  |
| 11 |  |
| 11 |  |


\left.| Sample Input 2 |  |
| :--- | :--- |
| Sample Output 2 |  |
| 3 | 1 |
| 3 | 3 |
| 2 | 2 |$\right] 0$

