I Want to be a Queen and a Knight

Problem ID: alicechess

Alice climbed through a magical mirror and fell onto a giant chessboard. To her surprise, she couldn't move out of her square!

Suddenly, a voice boomed, "Who do you want to be?"

Alice thought she might want to be a queen, so she shouted, "I want to be a queen!"

The voice replied, "Then you shall be a queen!"

Alice found herself no longer trapped in her square. Instead, she could freely travel to any square on the same row, column, or diagonal.

But that soon became boring so Alice changed her mind and shouted, "I want to be a knight!"

The voice replied, "Then you shall be a knight!"

Alice could now jump to any square that is two squares away vertically and then one square away horizontally, or two squares away horizontally and then one square away vertically.

But that became boring too and Alice came up with something interesting this time. She said, "I want to be a queen and a knight!"

The voice replied, "Then you shall be a queen and a knight"!

Alice wasn't sure how that worked out and she was surprised to find that she could travel as either a queen or a knight this time.

Just as Alice was pondering who she wants to be next, a door popped out of nowhere on the chessboard. Could you help Alice reach the door by telling her whether she could reach the door in one move as a knight and a queen?

Input

The input contains a single line with four integers: $x1$, $y1$, $x2$, and $y2$, $0 \leq x1, y1, x2, y2 \leq 7$. Alice is currently at square $(x1, y1)$ and the door is at square $(x2, y2)$. It is guaranteed that $(x1, y1) \neq (x2, y2)$.

Output

Output "YES" (without quotes) if Alice could reach the door in one move as a queen and a knight or "NO" otherwise.

Sample Input 1	Sample Output 1
1 1 5 1	YES

Sample Input 2	Sample Output 2
4 5 5 7	YES

Sample Input 3	Sample Output 3
7 7 6 4	NO