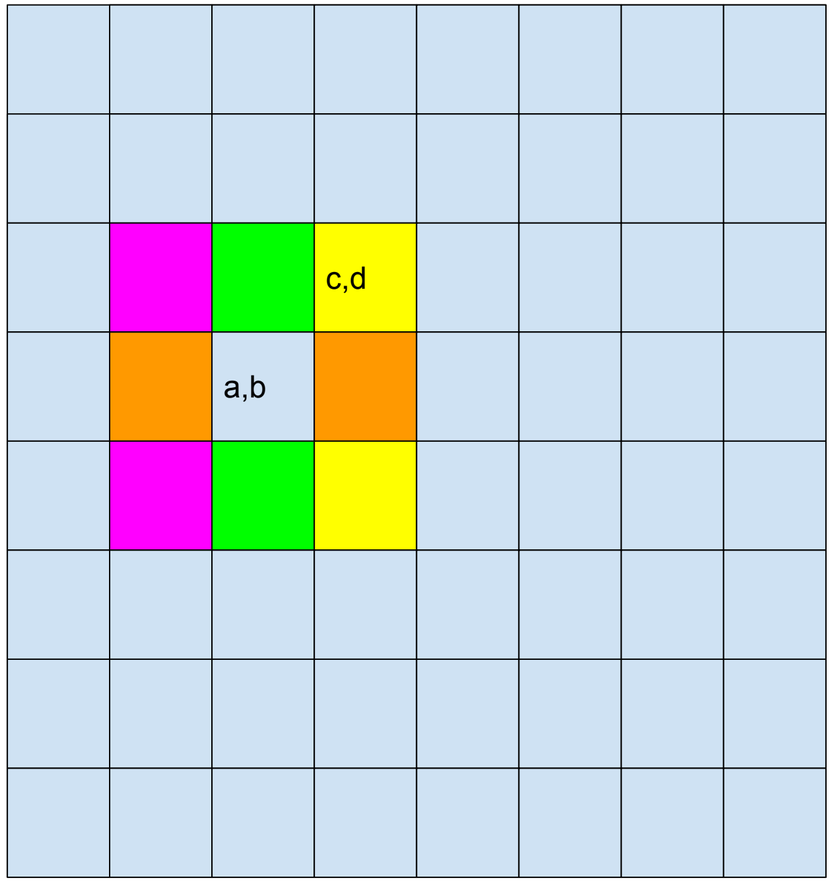
Problem D. King's move

The chess king moves horizontally, vertically and diagonally, but only 1 square. Given two different squares of the chessboard, determine if the king can get from the first square to the second in one move.

Input data
The program receives as input four numbers from 1 to 8 each, specifying the column number and line number, first for the first cell, then for the second cell.

Output
The program should output YES if it is possible to get to the second one from the first cell by the king's move, or NO otherwise.



Examples of input data

4
4
5
5

output
YES

if change of first coordinate is 0 or 1 or -1 and change of second coordinate is 0 or 1 or -1

abs(column - column2)<=1 && abs(row - row2)<=1 && (column - column2!=0 || row - row2)!=0

!(A||B)=!A&&!B
!(A&&B)=!A||!B

!((column - column2 == 0) && (row - row2 == 0))

```
int column, row, column2, row2;

std::cin >> column >> row >> column2 >> row2;

if ((column - column2 == 1 || column - column2 == 0 || column - column2 == -1) && (row - row2 == 1 || row - row2 == 0 || row - row2 == -1 ) && (column - column2 != 0 || row - row2 != 0))
std::cout << "Yes" << std::endl;

else
{
  std::cout << "No." << std::endl;
}
```

Boolean algebra

(a+b+c)*(x+y+z)=ax+ay+az+bx+by+bz+cx+xy+cz

A*(B+C)=A*B+A*C
A&&(B||C)=A&&B||A&&C

A||B&&C=(A||B)&&(A||C) A+BC=(A+B)(A+C)