

Problem F. Chessboard

Two squares of a chessboard are given. If they are colored in the same color, then output the word YES, and if they are in different colors, then NO.

Input data

4 numbers are entered - the coordinates of the cells.

Output

Print the answer to the problem.

Examples of
input data

```
1
1
2
2
#include <iostream>
int main() {
    int a; // position 1, column 1
    int b; // position 1, row 1
    int c; // move, column 2
    int d; // move, row 2
    std::cin >> a >> b >> c >> d;      // column 3 & row 5, move column 7, row 5 // YES
```

output
YES

input data

```
1
1
2
3
4
if ((a + b) % 2 == 0 && (c + d) % 2 == 0 || (a + b) % 2 == 1 && (c + d) % 2 == 1) {
    std::cout << "Yes" << std::endl;
}
else {
    std::cout << "No" << std::endl;
}
return 0;
```

output
NO

$$\begin{aligned} & A^*B + C^*D \\ & (A+B) * (C+D) \end{aligned}$$

