Two Lines

Input file:	standard input
Output file:	standard output
Time limit:	1 second
Memory limit:	256 megabytes

Given two lines L_1 and $L2$, Determine whether they are **parallel** or **not**.

Input

First line contains four numbers $(X_1, Y_1), (X_2, Y_2)$ $(-10^4 \leq X_1, Y_1, X_2, Y_2 \leq 10^4)$ which denote start and end point of $L1$ respectively.

Second line contains four numbers $(X_3, Y_3), (X_4, Y_4)$ $(-10^4 \leq X_3, Y_3, X_4, Y_4 \leq 10^4)$ which denote start and end point of $L2$ respectively.

Output

Print "**YES**" if the two lines are parallel otherwise, print "**NO**".

Examples

standard input	standard output
1 1 10 1 1 2 10 2	YES
10 0 0 10 0 0 10 10	NO