Same Component



Problem Statement

You will be given a 2D matrix of size $N \times M$ which will contain only dot(.) and minus(-) where dot(.) means you can go in that cell and minus(-) means you can't.

You can move in only 4 directions (Up, Down, Left and Right).

You will be given the indexes of two cells - $S(S_i, S_j)$ and $D(D_i, D_j)$. You need to tell if these S and D cells are in the same component or not. Same component means you can go from S to D.

Input Format

- ullet First line will contain N and M.
- Next you will be given the 2D matrix.
- Next line will contain S_i and S_j .
- Last line will contain D_i and D_j .

Constraints

- 1. $1 < N, M < 10^3$
- 2. $0 \le S_i, D_i < N$
- 3. $0 \leq S_j, D_j < M$

Output Format

• Output "YES" if those cell are in the same component, "NO" otherwise.

Sample Input 0

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5 4

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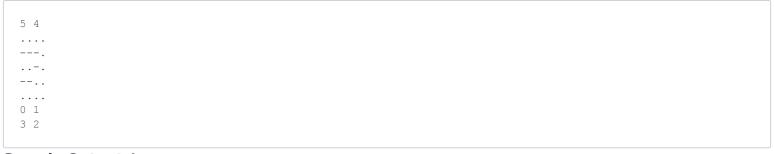
0 1

3 2
```

Sample Output 0

NO

Sample Input 1



Sample Output 1

