

---

## Graphs (3)

P38753\_en

---

Write a program that, given a map with goals and obstacles, tells if it is possible to reach any goal from a given initial position. The allowed movements are horizontal or vertical, but not diagonal.

### Input

Input begins with the number of rows  $n > 0$  and the number of columns  $m > 0$  of the map. Follow  $n$  rows with  $m$  characters each. A dot indicates an empty position, an 'x' indicates an obstacle, and a 't' indicates a goal. Finally, two numbers  $r$  and  $c$  indicate the initial row and column (both of them starting at 1) where we must start looking for goals. You can assume that  $r$  is between 1 and  $n$ , that  $c$  is between 1 and  $m$ , and that the initial position is always empty.

### Output

Print "yes" or "not" depending on whether it possible or not to reach any goal.

#### Sample input 1

```
7 6
..t...
..XXX.
.....
tX..X.
.X..Xt
.XX...
..t...
5 3
```

#### Sample output 1

```
yes
```

#### Sample input 2

```
4 10
..t...X...
.....X..t.
XXXXXX.X...
.....X.t
4 1
```

#### Sample output 2

```
no
```

#### Sample input 3

```
5 7
.....
.XXXXXt
.X...Xt
.X.X.XX
...X.Xt
5 5
```

#### Sample output 3

```
yes
```

## **Problem information**

Author : Jordi Petit

Translator : Carlos Molina

Generation : 2018-10-23 16:13:33

© *Jutge.org*, 2006–2018.

<https://jutge.org>