

6739 House of Lac

Lakshagraha was a house built of lacquer, made by the Kauravas to kill the Pandavas. The Kauravas wanted to burn the house down when the Pandavas were asleep at night. But poor Kauravas — once again they underestimated their cousins. Having been warned of the nefarious plan, the Pandavas had had an underground set of passages built for escape.

The underground rooms and passages were in the form of a $n \times m$ grid where every cell is either free or blocked by a pillar. The Pandavas start at a free cell and they need to reach a destination cell (which can be free or blocked).

The following are the allowed valid moves:

- Move from an empty cell to another adjacent empty cell. (Cells sharing a common side are considered adjacent).
- If an adjacent cell is blocked, then set the edge of the blocked cell on fire.
- If two or more (distinct) edges of a blocked cell are set on fire, then the blocking pillar burns down and clears the cell. After the fire, the cell becomes empty.

Initially no edge of any blocked cell is set on fire. Help the Pandavas find whether it is possible to reach the destination (target cell), because they are the good guys.

Input

The first line contains T , the number of test cases. The description of T test cases follow.

The first line of each test case consists of 2 space separated integers n and m , denoting the dimensions of the grid ($n \times m$ grid).

Each of the following n lines contain m characters each, where the j -th character of the i -th line denotes the state of the cell located at the j -th column of the i -th row of the grid. Each cell can either be blocked (denoted by '*'), or free (denoted by '.').

The next line of each test case consists of 4 space separated integers s_x, s_y, e_x, e_y , where (s_x, s_y) denotes the cell where you are initially located at, and (e_x, e_y) denotes the destination cell (1 based indices).

Output

For each test case, output a single line containing 'YES' or 'NO' (quotes for clarity), denoting whether it is possible to reach the destination cell from the given starting cell by making valid moves as described above.

Constraints:

$$1 \leq n, m \leq 500$$

$$1 \leq s_x, e_x \leq n$$

$$1 \leq s_y, e_y \leq m$$

The starting cell is always empty.

Sample Input

```
3
2 3
.*
...
1 1 1 3
3 3
..*
..*
.*
2 1 3 3
2 3
.*
**
2 3 1 2
```

Sample Output

```
YES
YES
NO
```