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1. A move is guaranteed to be valid and is placed on an empty block.
2. Once a winning condition is reached, no more moves are allowed.
3. A player who succeeds in placing  $n$  of their marks in a horizontal, vertical, or diagonal row wins the game.

- `TicTacToe(int n)` Initializes the object the size of the board `n`.
- `int move(int row, int col, int player)` Indicates that the player with id `player` plays at the cell `(row, col)` of the board. The move is guaranteed to be a valid move.

### Input



**Explanation**

```
ticTacToe.move(2, 1, 1); // return 1 (player 1 wins)
|x|o|
|o|o| // Player 1 makes a move at (2, 1).
|x|x|x|
```

- $2 \leq n \leq 100$
- player is 1 or 2.
- $\theta \leftarrow \text{row}, \text{col} < n$
- $(\text{row}, \text{col})$  are **unique** for each different call to `move`.
- At most  $n^2$  calls will be made to `move`.

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```

1  class TicTacToe {
2
3      public TicTacToe(int n) {
4
5      }
6
7      public int move(int row, int col, int player) {
8
9      }
10 }
11
12 /**
13  * Your TicTacToe object will be instantiated and called as such:
14  * TicTacToe obj = new TicTacToe(n);
15  * int param_1 = obj.move(row,col,player);
16  */

```