Question - 1

Replace all characters of the column with "*"

Replace all characters of the column, in an array 2D, by the character star ('*')

Input

- The ARRAY 2D of characters
- The column index (integer)

Output

- The updated ARRAY 2D
- If the column index is not correct (not a column index of the array 2d) print "column error"

Examples

Input	Output
[["A", "B", "C"], ["D", "F", "C"], ["A", "A", "F"], ["V", "B", "C"],] 2	[["A", "B", "*"], ["D", "F", "*"], ["A", "A", "*"], ["V", "B", "*"],] Explanation : we replace the column 2 characters with *
[["A", "B"], ["D", "F"], ["A", "A"], ["V", "B"],] 2	Column error No column 2 in this array, only columns 0 and 1

Question - 2

Convert array 2D to normal array.

Convert array 2D to normal array.

Input
- An array 2D

Output
- An array

INPUT	OUTPUT
[['B', 'A', 'N', 'A', 'N', 'A'], ['C', 'O', 'C', 'O', 'N', 'U', 'T']]	['banana', 'coconut']
[['B', 'A', 'N', 'A', 'N', 'A']]	['banana']
[]	[]

Question - 3
Find numbers which appreas more than 1 time in the given array

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Find numbers which appreas more than 1 time in the given array

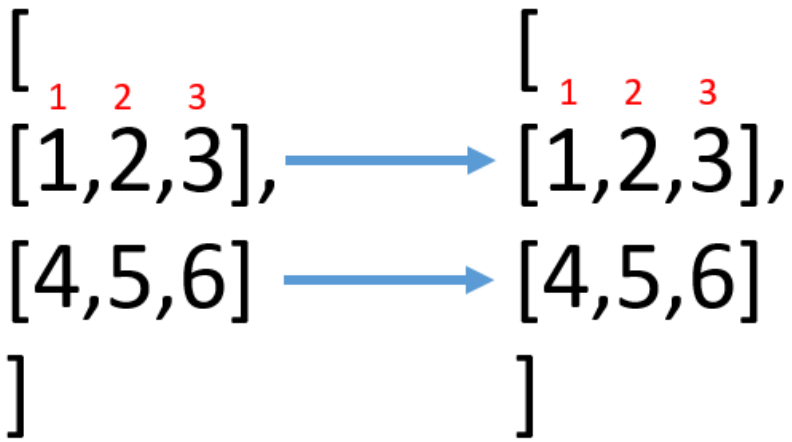
Input
- An array

Output
- An array

INPUT	OUTPUT
[9, 9, 8, 8, 8, 1, 3]	[9, 8]
[6, 6, 6, 6, 8, 1, 3]	[6]
[6, 5, 7, 2, 8, 1, 3]	[]

Question - 4
Check if two arrays 2D are equal

Check if two arrays are equal
- Two arrays 2D can be equal if the number of rows, columns, and value need to be equal



-INPUT
  - 2 Arrays 2D
- OUTPUT
  - display "equal" if these two arrays are equal, otherwise display "not equal"

Example:

INPUT	OUTPUT
[[0,0,0] [0,0,0]] [[0,0,0] [0,0,0]]	equal
[[0,0,0] [7,7,7]] [[0,0,0] [0,0,0]]	not equal
[[0,0,0]] [[0,0,0] [0,0,0]	not equal

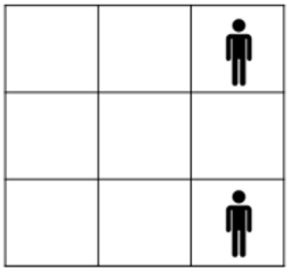
] [[0,0,7] [0,0,7]] [[1,0,7] [0,3,7]]	not equal

Question - 5

Add people to the free room

We represent people in a room with an array 2D (3 rows, 3 columns)

- A free cell is represented by a 0
- A cell with a person is represented by a 1



```
[[0, 0, 1],
 [0, 0, 0],
 [0, 0, 1]]
```

A new person can be added to the room at the position [row, column] if:

- This position is FREE
- And if only **2 people max** are already in the room

Input

- (Array 2D) : the current persons in the room
- (integer) the row position of the new person
- (integer) the column position of the new person

Output

- CAN ADD if the person can be added to the room
- CANNOT ADD : if the person cannot be added to the room

Examples

Input	Output
[[0, 0, 1], [0, 0, 0], [0, 0, 1]] 0 0	CAN ADD (only 2 persons in room And the position (0,0) is free)
[[1, 0, 0], [0, 0, 0], [0, 0, 0]] 0 0	CANNOT ADD (only 1 person in room but the position (0,0) is not free)
[[0, 0, 1], [0, 0, 1], [0, 0, 1]] 0 0	CANNOT ADD (3 persons in room So cannot add)