

Yesterday you found some shoes in the back of your closet. Each shoe is described by two values:

- *type* indicates if it's a left or a right shoe;
- *size* is the size of the shoe.

Your task is to check whether it is possible to pair the shoes you found in such a way that each pair consists of a right and a left shoe of an equal size.

Example

- For

```
shoes = [[0, 21],
         [1, 23],
         [1, 21],
         [0, 23]]
```

the output should be

```
pairOfShoes(shoes) = true ;
```

- For

```
shoes = [[0, 21],
         [1, 23],
         [1, 21],
         [1, 23]]
```

the output should be

```
pairOfShoes(shoes) = false .
```

Input/Output

- [execution time limit] 4 seconds (js)
- [input] array.array.integer shoes

Array of shoes. Each shoe is given in the format `[type, size]` , where *type* is either `0` or `1` for left and right respectively, and *size* is a positive integer.

*Guaranteed constraints:*

```
1 ≤ shoes.length ≤ 200 ,
1 ≤ shoes[i][1] ≤ 100 .
```

- [output] boolean

`true` if it is possible to pair the shoes, `false` otherwise.

[JavaScript (ES6)] Syntax Tips

```
// Prints help message to the console
// Returns a string
function helloWorld(name) {
  console.log("This prints to the console when you Run Tests");
  return "Hello, " + name;
}
```