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/*
801
Stage 4: The Marriage of Figaro
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Officer: 7315287
CaseNum: 801-3-54181614-7315287
```

We have a chance to record the powerful Order of Tukey before the curtain comes down on the Marriage of Figaro. They might be the most influential group in console city but they still have their quirks and will be spotable thanks their trademark tall hair.

Our guy on the inside has only been able to provide us with the ticket stubs. They are stored in gangMember moving through the rows in order from left to right. Ticket stubs are marked with true if they are in the gang. It'll be tough but I'm sure you are up to it kid!

- Set the spotlights to shine on the members of the order.
- Do this by setting the captured property of the element in theatregoers to true.
- You must use a nested for loop to pick out the members of the order

Complete the case using:

For loop (nested)

theatregoers[ ][ ]

You can create an additional variable if it helps.

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*/
```

```
var crowdImg;
var spotlight;
```

```
var theatregoers = [ [ { x: 50, y: 50, captured: false} , { x: 150, y: 50,
captured: false} , { x: 250, y: 50, captured: false} , { x: 350, y: 50,
captured: false} , { x: 450, y: 50, captured: false} , { x: 550, y: 50,
captured: false} , { x: 650, y: 50, captured: false} , { x: 750, y: 50,
captured: false} , { x: 850, y: 50, captured: false} , { x: 950, y: 50,
captured: false} ], [ { x: 50, y: 140, captured: false} , { x: 150, y: 140,
captured: false} , { x: 250, y: 140, captured: false} , { x: 350, y: 140,
captured: false} , { x: 450, y: 140, captured: false} , { x: 550, y: 140,
captured: false} , { x: 650, y: 140, captured: false} , { x: 750, y: 140,
captured: false} , { x: 850, y: 140, captured: false} , { x: 950, y: 140,
captured: false} ], [ { x: 50, y: 230, captured: false} , { x: 150, y: 230,
captured: false} , { x: 250, y: 230, captured: false} , { x: 350, y: 230,
captured: false} , { x: 450, y: 230, captured: false} , { x: 550, y: 230,
captured: false} , { x: 650, y: 230, captured: false} , { x: 750, y: 230,
captured: false} , { x: 850, y: 230, captured: false} , { x: 950, y: 230,
captured: false} ], [ { x: 50, y: 320, captured: false} , { x: 150, y: 320,
captured: false} , { x: 250, y: 320, captured: false} , { x: 350, y: 320,
captured: false} , { x: 450, y: 320, captured: false} , { x: 550, y: 320,
captured: false} , { x: 650, y: 320, captured: false} , { x: 750, y: 320,
captured: false} , { x: 850, y: 320, captured: false} , { x: 950, y: 320,
```

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captured: false} ], [ { x: 50, y: 410, captured: false} , { x: 150, y: 410,
captured: false} , { x: 250, y: 410, captured: false} , { x: 350, y: 410,
captured: false} , { x: 450, y: 410, captured: false} , { x: 550, y: 410,
captured: false} , { x: 650, y: 410, captured: false} , { x: 750, y: 410,
captured: false} , { x: 850, y: 410, captured: false} , { x: 950, y: 410,
captured: false} ], [ { x: 50, y: 500, captured: false} , { x: 150, y: 500,
captured: false} , { x: 250, y: 500, captured: false} , { x: 350, y: 500,
captured: false} , { x: 450, y: 500, captured: false} , { x: 550, y: 500,
captured: false} , { x: 650, y: 500, captured: false} , { x: 750, y: 500,
captured: false} , { x: 850, y: 500, captured: false} , { x: 950, y: 500,
captured: false} ], [ { x: 50, y: 590, captured: false} , { x: 150, y: 590,
captured: false} , { x: 250, y: 590, captured: false} , { x: 350, y: 590,
captured: false} , { x: 450, y: 590, captured: false} , { x: 550, y: 590,
captured: false} , { x: 650, y: 590, captured: false} , { x: 750, y: 590,
captured: false} , { x: 850, y: 590, captured: false} , { x: 950, y: 590,
captured: false} ], [ { x: 50, y: 680, captured: false} , { x: 150, y: 680,
captured: false} , { x: 250, y: 680, captured: false} , { x: 350, y: 680,
captured: false} , { x: 450, y: 680, captured: false} , { x: 550, y: 680,
captured: false} , { x: 650, y: 680, captured: false} , { x: 750, y: 680,
captured: false} , { x: 850, y: 680, captured: false} , { x: 950, y: 680,
captured: false} ], [ { x: 50, y: 770, captured: false} , { x: 150, y: 770,
captured: false} , { x: 250, y: 770, captured: false} , { x: 350, y: 770,
captured: false} , { x: 450, y: 770, captured: false} , { x: 550, y: 770,
captured: false} , { x: 650, y: 770, captured: false} , { x: 750, y: 770,
captured: false} , { x: 850, y: 770, captured: false} , { x: 950, y: 770,
captured: false} ], [ { x: 50, y: 860, captured: false} , { x: 150, y: 860,
captured: false} , { x: 250, y: 860, captured: false} , { x: 350, y: 860,
captured: false} , { x: 450, y: 860, captured: false} , { x: 550, y: 860,
captured: false} , { x: 650, y: 860, captured: false} , { x: 750, y: 860,
captured: false} , { x: 850, y: 860, captured: false} , { x: 950, y: 860,
captured: false} ] ];
var gangMember =
[true,true,false,false,false,false,false,false,false,false,false,false,true,fal
se,false,false,false,false,false,false,false,false,false,false,false,false,fa
lse,false,false,false,false,false,false,false,false,false,false,false,false,
false,false,false,false,false,false,false,false,false,false,false,false,fa
lse,false,false,false,false,false,false,false,false,false,false,true,false,fal
se,false,false,false,false,true,false,false,false,false,false,false,false,fals
e,false,false,false,false,false,false,false,false,false,false,true,true,false,f
alse,false,true,false,false,false,false];

function setup()
{
    createCanvas(1100, 1100);

    crowdImg = loadImage("crowd.png");
    spotlight = loadImage("spotlight.png");
}

function draw()
{
    image(crowdImg, 0, 0);
    ////////////YOUR CODE GOES HERE////////////////////////////////////

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    let index = 0; // Initialize an index for the gangMember array

    for (var i = 0; i < theatregoers.length; i++) {
        for (var j = 0; j < theatregoers[i].length; j++) {
            if (gangMember[index]) {
                theatregoers[i][j].captured = true; // Mark as
captured if they are in the gang
            }
            index++; // Move to the next person in the gangMember
array
        }
    }

    ////////////DON'T CHANGE ANY CODE BELOW HERE//////////
    blendMode(BLEND);
    background(80);
    highlight();
    blendMode(DARKEST);
    image(crowdImg, 0, 0);
}

function highlight()
{
    fill(255, 0, 0, 100);

    for (var i = 0; i < theatregoers.length; i++)
    {
        for (var j = 0; j < theatregoers[i].length; j++)
        {
            if (theatregoers[i][j].captured)
            {
                image(spotlight, theatregoers[i][j].x,
theatregoers[i][j].y, 100 , 100 );
            }
        }
    }
}

```