Fill in the correct conditions for the .findNodeRecursively() method.

```
findNodeRecursively(data, currentNode = this.head) {
   if ( currentNode === null ) {
   } else if ( currentNode.data === data ) {
   } else {
     return this.findNodeRecursively(data, currentNode.next);
    You got it!
```



The function recursiveFactorial() uses recursion to find the factorial solution to the argument passed into it. Which of the following is a realistic call stack for the call recursiveFactorial(3)?

```
1. recursiveFactorial(2) = 2 * recursiveFactorial(1)
2. recursiveFactorial(1) = 1 * recursiveFactorial(0)
3. recursiveFactorial(3) = 3 * recursiveFactorial(2)
```

```
1. recursiveFactorial(1) = 1 * recursiveFactorial(0)
2. recursiveFactorial(2) = 2 * recursiveFactorial(1)
3. recursiveFactorial(3) = 3 * recursiveFactorial(2)
```

```
2. recursiveFactorial(2) = 2 * recursiveFactorial(1)
3. recursiveFactorial(1) = 1 * recursiveFactorial(0)
```



Nice work! The recursiveFactorial() function will call itself with inputs of 0, 1, 2, and 3 and multiply the solution by n+1 values. The top of the stack is the first call.

The code displays a recursive solution to finding a node in a linked list. Which of the following is the condition for the recursive case?

```
findNodeRecursively(data, currentNode = this.head) {
   if (currentNode === null) {
      return null;
   } else if (currentNode.data === data) {
      return currentNode;
   } else {
      return this.findNodeRecursively(data, currentNode.next);
   }
}
```

The recursive condition is if currentNode.data === data and currentNode === null are not true



Nice work! The recursive case executes if the first two conditions are not true.

```
currentNode.data === data
```

```
currentNode === null
```

Which of the following errors often occurs if you do not include a base case in your recursive function?

Key error

Import error

A stack overflow



Nice work! If the function does not have a base case, then it may continue to call itself indefinitely.

A value error