RECURSION — "AT@ COUNTER"

Lab Description: The constructor will randomly load @s and -s into the matrix. Take a provided row and col location and count how many @ signs connect to the original location. @ signs are connected if they are connected up, down, left, and right of one another. You must use a matrix.

Sample Data:

5 0

Sample Output :

0 0 has 5 @s connected.

2 5 has 0 @s connected.

5 0 has 29 @s connected.

9 9 has 6 @s connected.

3 9 has 16 @s connected.

Files Needed ::

AtCounter.java

AtCounterRunner.java

Assume this was randomly loaded in the constructor: - 0 - - 0 - 0 8 8

algorithm help

if (r and c are in bounds and current spot is a @) mark spot as visited bump up current count by one

4 recursive calls up down left right

If checking 0 0, you would find 5 @s are connected.

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