QUIZ 7

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$ python3 quiz_7.py
Enter two positive integers: 0 0
Here is the grid that has been generated:
      0 0 0 0 0 0 0 0 0 0
      0 0 0 0 0 0 0 0 0 0
      0 0 0 0 0 0 0 0 0 0
      0 0 0 0 0 0 0 0 0 0
      0 0 0 0 0 0 0 0 0 0
      0 0 0 0 0 0 0 0 0 0
      0 0 0 0 0 0 0 0 0 0
      0 0 0 0 0 0 0 0 0 0
      0 0 0 0 0 0 0 0 0 0
      0 0 0 0 0 0 0 0 0 0
The size of the largest homogenous region from the top left corner is 100.
The size of the largest area with a checkers structure is 1.
$ python3 quiz_7.py
Enter two positive integers: 0 20
Here is the grid that has been generated:
      1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1
      1 1 0 1 1 1 0 1 1 1
      1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1
The size of the largest homogenous region from the top left corner is 98.
The size of the largest area with a checkers structure is 5.
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$ python3 quiz_7.py
Enter two positive integers: 0 12
Here is the grid that has been generated:
    1 1 1 0 1 1 1 1 1 1
    1 1 1 1 1 1 1 1 1 1
    1 1 1 1 1 1 1 1 1 1
    1 1 1 1 1 1 1 1 1 1
    1 1 1 1 1 1 1 1 0 1
    1 0 1 1 1 1 1 1 1 0
    1 1 1 1 1 1 1 1 1 1
    1 1 1 1 1 1 1 1 1 1
    1 1 1 1 1 1 1 1 1 1
    1 1 1 1 1 1 1 1 1 1
The size of the largest homogenous region from the top left corner is 96.
The size of the largest area with a checkers structure is 7.
$ python3 quiz_7.py
Enter two positive integers: 0 4
Here is the grid that has been generated:
    1 1 0 1 1 1 1 1 1 1
    1 1 1 1 1 1 0 1 1 1
    1 1 1 0 0 1 1 1 0 1
    1 1 1 1 1 1 1 1 1 0
    1 0 0 1 0 1 1 1 1 1
    0 1 1 1 1 1 1 1 0 0
    1 1 1 0 1 1 1 0 1 1
    1 1 1 1 1 1 1 0 1 1
    1 1 1 1 1 1 1 0 1 1
    1 0 0 1 1 0 0 1 1 1
The size of the largest homogenous region from the top left corner is 71.
The size of the largest area with a checkers structure is 11.
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$ python3 quiz_7.py
Enter two positive integers: 0 1
Here is the grid that has been generated:
    1 1 0 1 1 1 1 1 1 0
    0 1 0 0 1 0 1 0 0 1
    1 0 1 1 1 0 1 1 1 0
    0 0 1 0 1 1 0 1 0 0
    0 0 0 1 0 0 1 1 0 1
    1 0 1 0 1 1 0 1 1 0
    1 0 0 0 0 1 1 0 0 0
    0 0 0 1 1 0 0 1 1 1
    1 1 0 1 0 1 1 0 0 0
    1 0 0 1 0 1 1 0 0 0
The size of the largest homogenous region from the top left corner is 3.
The size of the largest area with a checkers structure is 38.
$ python3 quiz_7.py
Enter two positive integers: 0 2
Here is the grid that has been generated:
    1 1 0 1 1 1 1 1 1 1
    1 0 1 0 1 0 0 1 1 1
    1 1 0 1 0 1 0 1 1 1
    1 0 1 1 1 1 1 0 1 1
    1 1 1 0 1 0 0 1 1 1
    1 1 0 1 1 1 0 1 1 1
    0 0 1 0 0 0 1 1 0 0
    1 1 1 0 1 1 1 1 0 1
    1 1 0 1 1 1 1 1 0 1
    1 1 1 0 1 0 0 0 0 1
The size of the largest homogenous region from the top left corner is 22.
The size of the largest area with a checkers structure is 27.
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