Coding Quiz 6

COMP9021 PRINCIPLES OF PROGRAMMING
Term 3, 2021

$ python3 quiz_6.py
Enter two integers, the second one being strictly positive: 0 8
Here is the grid that has been generated:
```
    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 0
    0 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 0 1 1 1 1 1
    1 0 1 1 1 1 1 1 1 1
    1 1 1 1 1 1 1 1 1 0
    1 1 1 1 1 1 1 0 1 1
```
The maximum number of spikes of some shape is: 1

$ python3 quiz_6.py
Enter two integers, the second one being strictly positive: 0 7
Here is the grid that has been generated:
```
    1 1 1 1 0 1 1 1 1 1
    1 1 1 1 1 1 1 1 1 1
    1 0 1 1 1 1 1 1 1 1
    1 0 1 0 1 1 1 1 1 0
    1 1 1 1 1 1 1 1 1 1
    1 1 0 1 1 0 0 1 1 1
    1 1 1 1 1 0 1 1 1 1
    1 1 1 1 1 1 0 1 1 1
    1 1 1 1 1 1 0 0 1 1
    1 0 1 1 1 1 0 1 1 1
```
The maximum number of spikes of some shape is: 3

$ python3 quiz_6.py
Enter two integers, the second one being strictly positive: 0 2
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 maximum number of spikes of some shape is: 7

1

$ python3 quiz_6.py
Enter two integers, the second one being strictly positive: 0 4
Here is the grid that has been generated:
```
1 1 0 1 1 1 1 1 1 1
1 1 1 0 1 1 1 0 0 1
1 0 1 1 1 1 1 1 1 0
0 0 1 0 1 1 1 1 0 1
1 1 1 1 0 0 1 1 0 1
1 0 1 1 1 1 0 1 1 1
1 1 1 1 0 1 1 0 0 1
1 0 0 1 1 1 1 1 1 1
1 1 0 1 0 1 1 1 1 0
1 0 1 1 1 1 1 0 0 1
```
The maximum number of spikes of some shape is: 8

$ python3 quiz_6.py
Enter two integers, the second one being strictly positive: 1 2
Here is the grid that has been generated:
```
0 0 1 0 1 1 1 1 0 0
1 0 1 1 0 1 1 0 0 1
0 0 0 0 1 0 1 0 0 1
1 0 1 0 0 1 1 0 1 0
0 1 0 1 1 0 1 1 1 1
0 1 0 1 1 0 1 1 0 1
0 0 1 1 1 0 1 0 1 1
0 0 0 0 0 0 1 1 1 1
1 0 1 0 0 1 0 1 1 0
1 1 1 1 1 0 1 1 0 0
```
The maximum number of spikes of some shape is: 5

$ python3 quiz_6.py
Enter two integers, the second one being strictly positive: 2 2
Here is the grid that has been generated:
```
0 0 0 1 0 1 1 0 0 0
1 1 1 1 1 0 0 1 1 1
1 1 0 0 0 0 0 0 1 0
0 1 0 1 1 1 1 1 1 0
1 1 0 1 1 1 1 1 1 1
1 1 0 1 0 1 1 1 1 1
1 0 1 1 0 1 0 0 0 0
0 1 0 0 0 1 0 0 0 1
0 0 1 1 0 0 0 0 0 0
0 0 0 1 1 0 0 0 0 1
```
The maximum number of spikes of some shape is: 4