QUIZ 6

COMP9021 PRINCIPLES OF PROGRAMMING

\$ python3 quiz_6.py Enter three integers, the second and third ones being strictly positive: 0 2 4 Here is the grid that has been generated: | * * * | | * * * * | | * * | * Here are the rhombuses that are not included in any other: \$ python3 quiz_6.py Enter three integers, the second and third ones being strictly positive: 0 3 4 Here is the grid that has been generated: | * * * | | * * * * | | * * * | * * _____ Here are the rhombuses that are not included in any other: Of size 1: - with top vertex at location (0, 1) \$ python3 quiz_6.py Enter three integers, the second and third ones being strictly positive: 0 3 6 Here is the grid that has been generated: _____ | * * * * * | | * * * * * | * * * | | * * * * * | L * * * | * * * * * | | * _____ Here are the rhombuses that are not included in any other: Of size 1: - with top vertex at location (1, 1) - with top vertex at location (3, 2)

Date: Trimester 3, 2023.

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$ python3 quiz_6.py
Enter three integers, the second and third ones being strictly positive: 0 4 7
Here is the grid that has been generated:
   _____
   | * * * * * * |
   | * * * * * * |
   | * * * * * * * *
      * * * * * * |
   *
   | *
                * |
            * * * |
   | * * *
            * * |
   | * *
   _____
Here are the rhombuses that are not included in any other:
Of size 1:
  - with top vertex at location (0, 1)
  - with top vertex at location (1, 1)
  - with top vertex at location (3, 5)
Of size 2:
  - with top vertex at location (0, 4)
$ python3 quiz_6.py
Enter three integers, the second and third ones being strictly positive: 0 5 8
Here is the grid that has been generated:
   ------
   | * * * * * * * |
   | * * * * * * * * |
   * * * * * *
                    * * * * * * |
   | * * * * * * *
   | *
          *
              * * * |
   | * *
         * * * * * |
   | * *
            * * * |
   _____
Here are the rhombuses that are not included in any other:
Of size 1:
  - with top vertex at location (0, 1)
  - with top vertex at location (0, 3)
  - with top vertex at location (0, 5)
  - with top vertex at location (0, 6)
  - with top vertex at location (1, 2)
  - with top vertex at location (5, 6)
Of size 2:
  - with top vertex at location (3, 5)
Of size 3:
  - with top vertex at location (0, 4)
```