

QUIZ 7

COMP9021 PRINCIPLES OF PROGRAMMING

```
$ python3 quiz_7.py
```

Input an integer, two integers between 1 and 10,
and a number between 0 and 1: 0 2 5 0.3

Here is the grid that has been generated:

```
-----  
|           *           |  
|          *           * |  
|           *           * |  
|          *           * |  
| *         *         * * |  
|          *           * |  
|                               * |  
| * *           *       |  
|           *       |  
|                               * |  
-----
```

There is no special path starting from (2, 5) in the grid!

```
$
```



```
$ python3 quiz_7.py
```

Input an integer, two integers between 1 and 10,
and a number between 0 and 1: **1 4 2 0.7**

Here is the grid that has been generated:

```
-----
| *      * * * *   * * |
|   *    * *      *   * |
| * *    * * * *   * * * |
| * * * * * *     * * * |
|      * *          *   * |
| * *      * * * *   *   |
| * *    * * * *     * * |
| * * *      * * * *   |
|   *    * *      * * * * |
|   *              * * * |
|-----
```

The longest special path starting from (4, 2) has a length of 5.
Here it is:

```
-----
|                                     |
|                                     |
|                                     |
|      ↗                             |
|      ✓                             |
|      ✓                             |
|      ✓                             |
|      ↗                             |
|                                     |
|-----
```

\$

