



William Ting <williamdjting@gmail.com>

FW: Pond Size

1 message

William Ting <william_ting_2@sfu.ca>

Mon, Aug 14, 2023 at 6:09 AM

To: "williamdjting@gmail.com" <williamdjting@gmail.com>

From: Daily Byte**Sent:** Monday, August 14, 2023 6:09:13 AM (UTC-08:00) Pacific Time (US & Canada)**To:** William Ting**Subject:** Pond Size

The Daily Byte

Good morning,

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Today's Byte

You are given two-dimensional matrix that represents a plot of land. Within the matrix there exist two values: ones which represent land and zeroes which represent water within a pond. Given that parts of a pond can be connected both horizontally and vertically (but not diagonally), return the largest pond size.

Note: You may assume that each zero within a given pond contributes a value of one to the total size of the pond.

Ex: Given the following plot of land ...

```
land = [  
    [1,1,1],  
    [1,0,1],  
    [1,1,1]  
], return 1.
```

Ex: Given the following plot of

land ...

```
land = [  
    [1,0,1],  
    [0,0,0],  
    [1,0,1]  
], return 5.
```

Thanks,

The Daily Byte

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