



William Ting <williamdjting@gmail.com>

FW: Infection

1 message

William Ting <william_ting_2@sfu.ca>

Sun, Sep 3, 2023 at 6:08 AM

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

From: Daily Byte**Sent:** Sunday, September 3, 2023 6:07:57 AM (UTC-08:00) Pacific Time (US & Canada)**To:** William Ting**Subject:** Infection

The Daily Byte

Good morning,

Need help with yesterday's problem? [Start getting solutions.](#)

Today's Byte

Given a 2D array each cells can have one of three values. Zero represents an empty cell, one represents a healthy person, and two represents a sick person. Each minute that passes, any healthy person who is adjacent to a sick person becomes sick. Return the total number of minutes that must elapse until every person is sick.

Note: If it is not possible for each person to become sick, return -1 .

Ex: Given the following 2D array

grid ...

```
grid = [  
    [1,1,1],  
    [1,1,0],  
    [0,1,2]  
], return 4.
```

```
[2, 1] becomes sick at minute 1.  
[1, 1] becomes sick at minute 2.  
[1, 0] and [0, 1] become sick at minute 3.  
[0, 0] and [0, 2] become sick at minute 4.
```

Ex: Given the following 2D array

grid ...

```
grid = [  
    [1,1,1],  
    [0,0,0],  
    [2,0,1]  
], return -1.
```

Thanks,

The Daily Byte

Need help negotiating your offer? Chat with former tech recruiters who'll guide you on exactly what to say to get you paid more. Get negotiation help from levels.fyi.

Want to take a break? [snooze](#) or [unsubscribe](#)

© 2023 The Daily Byte. All rights reserved.