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FW: Gold Rush

1 message

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Fri, Jun 16, 2023 at 6:10 AM

From: Daily Byte
Sent: Friday, June 16, 2023 6:10:05 AM (UTC-08:00) Pacific Time (US & Canada)
To: William Ting
Subject: Gold Rush

The Daily Byte

Good morning,

Need help with yesterday's problem? Start getting solutions.

> Today's Byte

This question is asked by Amazon. Given a 2D matrix that represents a gold mine, where each cell's value represents an amount of gold, return the maximum amount of gold you can collect given the following rules:

1. You may start and stop collecting gold from any position
2. You can never visit a cell that contains 0 gold
3. You cannot visit the same cell more than once
4. From the current cell, you may walk one cell to the left, right, up, or down

Ex: Given the following gold mine…

```
goldMine = [
    [0,2,0],
    [8,6,3],
    [0,9,0]
],
return 23 (start at 9 and then move to 6 and 8 respectively)
```

Thanks,
The Daily Byte

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