465. Optimal Account Balancing Premium

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You are given an array of transactions `transactions` where `transactions[i] = [from_i, to_i, amount_i]` indicates that the person with `ID = from_i` gave `amount_i $` to the person with `ID = to_i`.

Return *the minimum number of transactions required to settle the debt.*

Example 1:

```
Input: transactions = [[0,1,10],[2,0,5]]
Output: 2
Explanation:
Person #0 gave person #1 $10.
Person #2 gave person #0 $5.
Two transactions are needed. One way to settle the debt is person #1 pays person #0 and #2 $5 each.
```

Example 2:

```
Input: transactions = [[0,1,10],[1,0,1],[1,2,5],[2,0,5]]
Output: 1
Explanation:
Person #0 gave person #1 $10.
Person #1 gave person #0 $1.
Person #1 gave person #2 $5.
Person #2 gave person #0 $5.
Therefore, person #1 only need to give person #0 $4, and all debt is settled.
```

Constraints:

- `1 <= transactions.length <= 8`
- `transactions[i].length == 3`
- `0 <= from_i, to_i < 12`
- `from_i != to_i`
- `1 <= amount_i <= 100`

Seen this question in a real interview before? 1/5

Yes No

Accepted 97.6K | Submissions 196.5K | Acceptance Rate 49.7%

Topics

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