

# 465. Optimal Account Balancing

## Description

You are given an array of transactions `transactions` where `transactions[i] = [fromi, toi, amounti]` indicates that the person with `ID = fromi` gave `amounti` to the person with `ID = toi`.

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 <= fromi, toi < 12`
- `fromi != toi`
- `1 <= amounti <= 100`

