Problem Solution Leaderboard

Problem: Lemonade Change

Easy Takes 15 mins Max 3 submissions allowed - 2 left

Statement

There is a lemonade stand where customers can buy one lemonade at a time for $5 and pay with a $5, $10, or $20 bill. It is necessary to return the correct change to each customer so that the net transaction is completed successfully with a total payment of $5. Note that no change is available initially.

Given an integer array, `bills`, where `bills[i]` represents the bill paid by the i^{th} customer, return TRUE if it is possible to provide every customer with the correct change, or FALSE otherwise.

Constraints:

- $1 \leq$ `bills.length` ≤ 500
- `bills[i]` is either 5, 10, or 20.

Need a Hint?

Files

main.py Python

```python
def lemonade_change(bills):
    five, ten = 0, 0
    for bill in bills:
        if bill == 5:
            five += 1
        elif bill == 10:
            if five == 0:
                return False
            five -= 1
            ten += 1
        else:
            if five > 0 and ten > 0:
                five -= 1
                ten -= 1
            elif five >= 3:
                five -= 3
            else:
                return False
    return True
```

Saved Run Submit

Test Cases Results