860. Lemonade Change

Solved ●

Easy Topics Companies

At a lemonade stand, each lemonade costs `$5`. Customers are standing in a queue to buy from you and order one at a time (in the order specified by bills). Each customer will only buy one lemonade and pay with either a `$5`, `$10`, or `$20` bill. You must provide the correct change to each customer so that the net transaction is that the customer pays `$5`.

Note that you do not have any change in hand at first.

Given an integer array `bills` where `bills[i]` is the bill the `i`th customer pays, return `true` *if you can provide every customer with the correct change, or* `false` *otherwise.*

Example 1:

> **Input:** bills = [5,5,5,10,20]
> **Output:** true
> **Explanation:**
> From the first 3 customers, we collect three $5 bills in order.
> From the fourth customer, we collect a $10 bill and give back a $5.
> From the fifth customer, we give a $10 bill and a $5 bill.
> Since all customers got correct change, we output true.

Example 2:

> **Input:** bills = [5,5,10,10,20]
> **Output:** false
> **Explanation:**
> From the first two customers in order, we collect two $5 bills.
> For the next two customers in order, we collect a $10 bill and give back a $5 bill.
> For the last customer, we can not give the change of $15 back because we only have two $10 bills.
> Since not every customer received the correct change, the answer is false.

Constraints:

- `1 <= bills.length <= 10^5`
- `bills[i]` is either `5`, `10`, or `20`.

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

Yes No

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