

Lemonade Change

Try to solve the Lemonade Change problem.

We'll cover the following ^

- Statement
- Examples
- Understand the problem
- Try it yourself

Statement

At a lemonade stand, one lemonade costs €5. Customers are standing in line to buy lemonade can order one at a time. Each customer will buy only one lemonade and pay with a €5, €10, or €20 `bill`. You need to provide the correct change to each customer so that the net transaction is completed successfully with a total payment of €5. Initially, you do not have any change available.

Return `TRUE` if you can provide every customer with the correct change. Otherwise, return `FALSE`.

Constraints:

- $1 \leq \text{bill.length} \leq 10^5$
- `bill[i]` is either 5, 10, or 20.

Examples

Sample example 1

Input

bill	5	10	5	5	20
------	---	----	---	---	----

Collect 5 from the first customer. Then collect 10 and give back 5 in change to the second customer. Collect two 5s from third and fourth customers. From the last customer, collect 20 and return a 10 and a 5 back to the customer.

Output

`TRUE`

1 of 2

Sample example 2

Input

bill	5	5	5	10	10	20	20
------	---	---	---	----	----	----	----

Collect 5 from the first three customers. Then collect two 10s and give back 5 in change to two of them. Collect two 20s from the customers and return one 10 and one 5 to the second last customer but you do not have sufficient change to give back to the last customer.



Output

FALSE

2 of 2

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Understand the problem

Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:

Lemonade Change

1

What is the output if the following array is given as input?

bill = [10, 5, 5, 10]

A) TRUE

B) FALSE

Submit Answer

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Question 1 of 3
0 attempted

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Reset Quiz ↻

Try it yourself

Implement your solution in the following coding playground:

Java

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usercode > LemonadeChange.java

```
3 public static boolean lemonadeChange(int[] bill) {  
4  
5     // Your code will replace this placeholder return statement.  
6     return false;  
7 }  
8 }
```

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Submit

Test Cases

Results

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Case 1Case 2Case 3

Input #1

[5,5,5,5,20,10,10]

Lemonade Change

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Back

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Next

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Mark as Completed