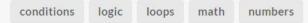
## Lemonade Stand

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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.

Return true if and only if you can provide every customer with correct change.

## Examples

lemonade([5, 5, 5, 10, 20]) → true lemonade([5, 5, 10, 10, 20]) → false lemonade([10, 10]) → false lemonade([5, 5, 10]) → true

## Code

```
JS lemonade.js > ...
      const lemonade = (arr) => {
        const cost = 5;
        let bank = 0;
        let payment = 0;
        let change = 0;
        for (let i = 0; i < arr.length; i++) {
          payment = arr[i];
          change = payment - cost;
          if (change > bank) {
          bank += cost;
          bank -= change;
       return true;
      console.log(lemonade([5, 5, 5, 10, 20]));
      console.log(lemonade([5, 5, 10]));
      console.log(lemonade([10, 10]));
      console.log(lemonade([5, 5, 5, 20]));
      console.log(lemonade([5, 5, 10, 10, 20]));
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      console.log(lemonade([5, 5, 5, 5, 10, 5, 10, 10, 10, 20]));
      console.log(lemonade([5, 10, 5, 5, 5, 20, 5, 10, 5, 5, 10, 20]));
      console.log(lemonade([5, 10, 5, 5, 5, 20, 5, 10, 20, 5, 10, 20, 10]));
```

```
PS C:\js\edabit\e> node lemonade.js
true
true
false
true
false
true
false
true
true
true
False
PS C:\js\edabit\e>
```