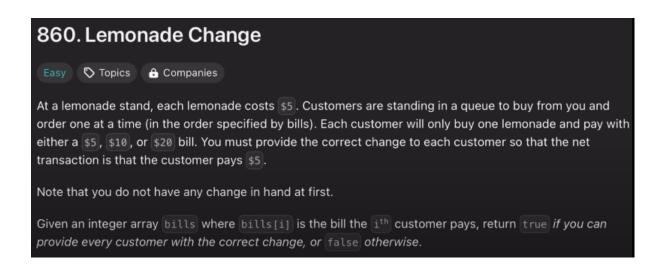
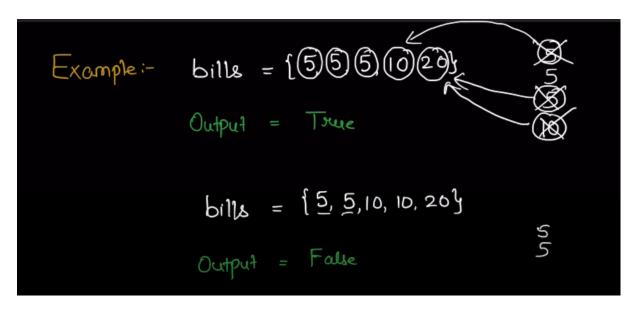
860 Lemonade Change - 15/08/2024 (easy)

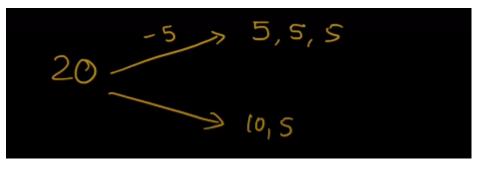




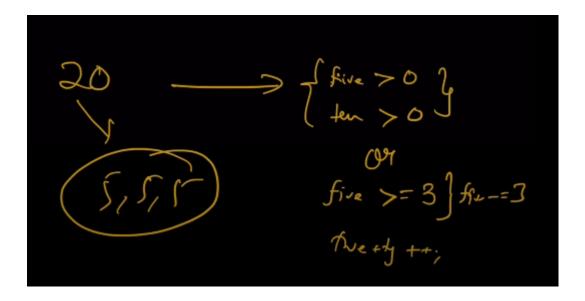
$$\{5, 5, 5, 10, 20\}$$

$$\{5, 5, 5, 10, 20\}$$

$$five = 1+1+1$$







Strategy to solve

if customer pay 5 dollar just increment five variable

if customer pay 10 dollar then first check if variable 5 is >0 just decrement five variable else 5 - and increment 10 variable else ten++

if customer pay 20 dollars then then follow two method to solve first check it is above five>0 and ten >0 then decrement five and ten

another method check is variable five is ≥ 3 then decrement by 3

Organize wy

- \$5 payment: Increment the count of \$5 bills.
- \$10 payment:

- If a \$5 bill is available, use it.
- Otherwise, use a \$10 bill.

\$20 payment:

- If both \$5 and \$10 bills are available, use one of each.
- If there are at least three \$5 bills, use three of them.
- Invalid payment: Handle payments that are not \$5, \$10, or \$20.

Code

```
class Solution {
public:
    bool lemonadeChange(vector<int>& bills) {
        int five = 0;
        int ten =0;
        for(int &bill : bills){
            if(bill==5){
                 five++;
            }
            else if(bill==10){
                 if(five>0){
                     five--;
                     ten++;
                 }
                 else{
                     return false;
                 }
            }
            else if(five>0 && ten>0){
                 five--;
                 ten--;
            }
            else if(five>=3){
                 five-=3;
            }
            else
```

```
{
    return false;
}

return true;
}
```