Codechef   Take discount or Not

4   30   10   n - no. of array element
↓ | ↓   x - price of coupon
n   n   y   y - discont on each

15 8 22 6 ⌉   product
            ⌋
            └──> array elements

15 + 8 + 22 + 6 = 51

Coupon = 30   will Reduce 10 in

each item

    5 + 0 + 12 + 0 = 17

  coupon price + new cost = 30 + 17
                          = 47

        47 < 51

           Yes coupon.

```cpp
#include <bits/stdc++.h>
using namespace std;

int main() {
    int t;
    cin>>t;
    while(t--){
        int n,x,y;
        cin>>n>>x>>y;
        int a[n];
        int sum=0;
        for(int i=0;i<n;i++){
            cin>>a[i];
            sum+=a[i];
        }
        int new_sum=0;
        for(int i=0;i<n;i++){
            if(a[i]<y)
            new_sum+=0;
            else
            new_sum+=a[i]-y;
        }
        if((x+new_sum)<sum)
        cout<<"COUPON"<<endl;
        else
        cout<<"NO COUPON"<<endl;

    }}
```