

✓ Week-07-Searching Algorithms-Linear and Binary

☰ Week-07-01-Practice Session-Coding

✓ Done

✓ Assessment-07-Searching Algorithms-Linear and Binary

✓ Week-08-Sorting Algorithms-Bubble and Selection

☰ Coding

✓ Done

✓ Assessment-08-Sorting Algorithms-Bubble and Selection

✓ Week-09-Two-Dimensional and Multi-dimensional Arrays

☰ Coding

✓ Done

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main(){
3     int t,m,n,c=0;
4     scanf("%d",&t);
5     for(int i=0;i<t;i++){
6         c=0;
7         scanf("%d\n %d",&m,&n);
8         int arr[n];
9         for(int j=0;j<n;j++){
10            scanf("%d",&arr[j]);
11        }
12        for(int a=0;a<n-1;a++){
13            for(int b=a+1;b<n;b++){
14                if(arr[a]+arr[b]==m){
15                    printf("%d %d\n",a+1,b+1);
16                    c=1;break;
17                }
18            }
19        }
20    }
21 }
```

Input	Expected	Got
✓ 2 4 4 1 2	1 4 1 2	1 4 ✓
5 1 4 5 3 2 4		

✓ 2 4 4 1 2	1 4 1 2	1 4 ✓
5 1 4 5 3 2 4		

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main(){
3     int n,m,c,c1=0,co;
4     scanf("%d",&n);
5     int arr[n];
6     for(int a=0;a<n;a++){
7         scanf("%d",&arr[a]);
8     }
9     scanf("%d",&m);
10    int brr[m],ans[m];
11    for(int b=0;b<m;b++){
12        scanf("%d",&brr[b]);
13    }
14    for(int j=0;j<m;j++){
15    {
16        c=0;
17        for(int i=0;i<n;i++){
18            if(arr[i]==brr[j]){
19                c=1;
20                arr[i]=-1;
21                break;
22            }
23        }
24        if(c==0){
25            ans[c1]=brr[j];
26            c1++;
27        }
28    }
29    for(int a=0;a<c1;a++){
30        co=0;
31        for(int b=0;b<c1;b++){
32            if(ans[b]<ans[a]){
33                co++;
34            }
35        }
36        int temp=ans[a];
37        ans[a]=ans[co];
38        ans[co]=temp;
39    }
40 }
```

```

26         c1++;
27     }
28 }
29 for(int a=0;a<c1;a++){
30     co=0;
31     for(int b=0;b<c1;b++){
32         if(ans[b]<ans[a])
33             co++;
34     }
35     int temp=ans[a];
36     ans[a]=ans[co];
37     ans[co]=temp;
38 }
39 for(int i=0;i<c1;i++)
40 printf("%d ",ans[i]);
41
42 return 0;
43
44 }
```

Input	Expected	Got
✓ 10 203 204 205 206 207 208 203 204 205 206 13 203 204 205 206 207 205 208 203 206 205 206 204	204 205 206 204 205 206	✓

Passed all tests! ✓

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main(){
3     int t,n,Is,rs,m;
4     scanf("%d",&t);
5     for(int i=0;i<t;i++){
6         Is=0;
7         rs=0;
8         scanf("%d",&n);
9         int arr[n];
10        for(int j=0;j<n;j++)
11            scanf("%d",&arr[j]);
12        m=n/2;
13        if(arr[m]==0){
14            for(m=0;arr[m]==0 && m<n;m++);
15        }
16        for(int j=0;j<=m;j++)
17            Is=Is+arr[j];
18        for(int j=m;j<n;j++)
19            rs=rs+arr[j];
20        printf("%s\n", (Is==rs)? "YES" : "NO");
21    }
22 }
23 return 0;
24 }
```

Input	Expected	Got
✓	YES	YES ✓
3	YES	YES
5	YES	YES
1 1 4 1 1	YES	YES
4		