Week 07

Answer: (penalty regime: 0 %)

```c
1  #include<stdio.h>
2  int main()
3  {
4      int t,m,n,c=0;
5      scanf("%d",&t);
6      for(int i=0; i<t;i++)
7      {
8          c=0;
9          scanf("%d\n %d",&m,&n);
10         int arr[n];
11         for(int j=0; j<n;j++)
12         {
13             scanf("%d",&arr[j]);
14         }
15         for(int a=0;a<n;a++)
16         {
17             for(int b=a+1;b<n;b++)
18             {
19                 if(arr[a]+arr[b]==m)
20                 {
21                     printf("%d %d\n",a+1,b+1);
22                     c=1;break;
23                 }
24             }
25             if(c==1)break;
26         }
27     }
28 }
```

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

Passed all tests! ✓

```c
#include<stdio.h>
int main()
{
    int n,m,c,c1=0,c0;
    scanf("%d",&n);
    int arr[n];
    for(int a=0;a<n;a++)
    {
        scanf("%d",&arr[a]);
    }
    scanf("%d",&m);
    int brr[m],ans[m];
    for(int b=0;b<m;b++)
    {
        scanf("%d",&brr[b]);
    }
    for(int j=0;j<m;j++)
    {
        c=0;
        for(int i=0;i<n;i++)
        {
            if(arr[i]==brr[j])
            {
                c=1;
                arr[i]=1;
                break;
            }
        }
        if(c==0)
        {
            ans[c1]=brr[j];
            c1++;
        }
    }
    for(int a=0;a<c1;a++)
    {
        c0=0;
        for(int b=0;b<c1;b++)
        {
            if(ans[b]<ans[a])
            c0++;
        }
        int temp=ans[a];
        ans[a]=ans[c0];
        ans[c0]=temp;
    }
    for(int i=0;i<c1;i++)
    printf("%d ",ans[i]);
}
```

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

In the second case, *arr[0]* = *2* is between two subarrays summing to *0*.

In the third case, *arr[2]* = *2* is between two subarrays summing to *0*.

Answer: (penalty regime: 0 %)

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

	Input	Expected	Got	
✓	3 5 1 1 4 1 1 4 2 0 0 0 4 0 0 2 0	YES YES YES	YES YES YES	✓
✓	2 3 1 2 3 4 1 2 3 3	NO YES	NO YES	✓

Passed all tests! ✓