

```

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

```

	Input	Expected	Got	
✓	1 3 1 3 5 4	1	1	✓
✓	1 3 1 3 5 99	0	0	✓

Passed all tests! ✓

```

1 #include<stdio.h>
2 int main()
3 {
4     int t;
5     scanf("%d",&t);
6     while(t-->0)
7     {
8         int n,c=0;
9         scanf("%d",&n);
10        for(int i=0;i<n;i++){
11            if(i%2!=0) c=c+i;
12        }printf("%d\n",c);
13    }
14 }

```

	Input	Expected	Got	
✓	3 1 2 3	1 1 4	1 1 4	✓
✓	10 71 100 86 54 40 9 77 9 13 98	1296 2500 1849 729 400 25 1521 25 49 2401	1296 2500 1849 729 400 25 1521 25 49 2401	✓

Passed all tests! ✓

```

1 #include<stdio.h>
2 int main()
3 {
4     int s1,s2,ans;
5     scanf("%d",&s1);
6     int ta[s1];
7     for(int i=0;i<s1;i++)
8         scanf("%d",&ta[i]);
9     scanf("%d",&s2);
10    int tb[s2];
11    for(int i=0;i<s2;i++)
12        scanf("%d",&tb[i]);
13    for(int j=0;j<s2;j++)
14    {
15        ans=0;
16        for(int i=0;i<s1;i++){
17            if(tb[j]>=ta[i])
18                ans++;
19        }printf("%d\n",ans);
20    }
21 }

```

	Input	Expected	Got	
✓	4 1 4 2 4 2 3 5	2 4	2 4	✓
✓	5 2 10 5 4 4 8 4 3 1 7 8	1 0 3 4	1 0 3 4	✓

Passed all tests! ✓

```

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

```

	Input	Expected	Got	
✓	8 1 3 5 2 1 8 6 9 3	5 5 5 8 8 9	5 5 5 8 8 9	✓
✓	10 3 7 5 1 2 9 8 5 3 2 3	7 7 5 9 9 9 8 5	7 7 5 9 9 9 8 5	✓

Passed all tests! ✓

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

	Input	Expected	Got	
✓	6 5 8 10 13 6 2 3	17	17	✓
✓	7 20 35 57 30 56 87 30 10	33	33	✓

Passed all tests! ✓

```
1 #include<stdio.h>
2 int main()
3 {
4     int a,b;
5     scanf("%d",&a);
6     int arr1[a];
7     for(int i=0;i<a;i++)
8     scanf("%d",&arr1[i]);
9     scanf("%d",&b);
10    int arr2[b];
11    for(int i=0;i<b;i++)
12    scanf("%d",&arr2[i]);
13    int p=0,q=0;
14    while((p<a)&&(q<b))
15    {
16        if(arr1[p]<arr2[q])
17        {
18            printf("%d ",arr1[p]);
19            p++;
20        }
21        else if(arr1[p]>arr2[q])
22        {
23            printf("%d ",arr2[q]);
24            q++;
25        }
26        else
27        {
28            printf("%d ",arr1[p]);
29            p++;
30            q++;
31        }
32    }
33    for(int j=p;j<a;j++)
34    {
35        printf("%d ",arr1[j]);
36    }
37    for(int j=q;j<b;j++)
38    {
39        printf("%d ",arr2[j]);
40    }
41 }
```

	Input	Expected	Got	
✓	5 1 2 3 6 9 4 2 4 5 10	1 2 3 4 5 6 9 10	1 2 3 4 5 6 9 10	✓

Passed all tests! ✓