```cpp
1  #include<iostream>
2  #include<vector>
3  #include<string>
4  using namespace std;
5
6  void func(int arr[], int n)
7  {
8      int i, j;
9      int leftsum, rightsum;
10
11     for (i = 0; i < n; ++i) {
12
13         leftsum = 0;
14         for (j = 0; j < i; j++)
15             leftsum += arr[j];
16
17         rightsum = 0;
18         for (j = i + 1; j < n; j++)
19             rightsum += arr[j];
20
21         if (leftsum == rightsum)
22             cout << arr[i] << " " << rightsum << endl;
23     }
24
25
26
27 }
28
29 int main() {
30
31     int arr[] = { 1,2,2,9,4,1 };
32
33     func(arr, 6);
34
35     return 0;
36 }
```