

```
1 class Solution {
2 public:
3     int canCompleteCircuit(vector<int>& gas, vector<int>& cost) {
4         int n = gas.size();
5         int i = 0;
6         while (i < n) {
7             int sumOfGas = 0, sumOfCost = 0;
8             int cnt = 0;
9             while (cnt < n) {
10                 int j = (i + cnt) % n;
11                 sumOfGas += gas[j];
12                 sumOfCost += cost[j];
13                 if (sumOfCost > sumOfGas) {
14                     break;
15                 }
16                 cnt++;
17             }
18             if (cnt == n) {
19                 return i;
20             } else {
21                 i = i + cnt + 1;
22             }
23         }
24         return -1;
25     }
26 };
27
28
```