

```

1:  /*
2:      Name: Game of Maximizations
3:      Copyright: HackerRank HackFest 2020
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5:      Date: 09-10-20 11:43
6:      Description:
7:  */
8:
9:  #include <bits/stdc++.h>
10:
11:  using namespace std ;
12:
13:  int main() {
14:      srand(time(NULL)) ;
15:      ios::sync_with_stdio(0), cin.tie(0), cout.tie(0);
16:
17:      int n;
18:      cin >> n ;
19:      vector<int> stones(n);
20:      for(int i = 0; i < n; i++) {
21:          cin >> stones[i];
22:      }
23:      int oddsum = 0, evensum = 0 ;
24:      for(int i = 0 ; i < n ; i++) {
25:          if(oddsum != evensum) {
26:              oddsum > evensum ? --oddsum : --evensum;
27:          }
28:          if(i & 1) {
29:              oddsum += stones[i];
30:          }else{
31:              evensum += stones[i];
32:          }
33:      }
34:      cout << "maximum picking up: " << 2 * oddsum << endl ;
35:
36:
37:  }
38:

```