#55931296 | Daniel_Chura's solution for [UVA-10664]

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Accepted	954	C++11 5.3.0	2024-11-11 17:18:23	☐	☐	29955175

```cpp
1   #include <iostream>
2   #include <cstdio>
3   #include <string>
4   #include <sstream>
5   #include <algorithm>
6
7   using namespace std;
8
9   int wt[21];
10  int C[101];
11
12  int divide(int n, int W) {
13      for(int i = 0; i <= W; i++) C[i] = 0;
14      for(int i = 1; i <= n; i++)
15          for(int j = W; j >= wt[i]; j--)
16              C[j] = max(C[j], wt[i] + C[j - wt[i]]);
17      return C[W];
18  }
19
20  int main() {
21      int test, el, i, sum;
22      string s;
23      stringstream ss;
24
25      scanf("%d", &test);
26      getchar(); // Lee el salto de línea después del número de test
27
28      while(test--) {
29          getline(cin, s);
30          ss.clear();
31          ss.str(s);
32          i = 0;
33          sum = 0;
34
35          while(ss >> el) {
36              wt[++i] = el;
37              sum += el;
38          }
39
40          if((sum & 1) == 0) {
41              if(divide(i, sum >> 1) == (sum >> 1))
42                  puts("YES");
43              else
44                  puts("NO");
45          } else {
46              puts("NO");
47          }
48      }
49
50      return 0;
51  }
```

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