1048. Find Coins (25)

时间限制

50 ms

内存限制

65536 kB

代码长度限制

16000 B

判题程序

Standard

作者

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Eva loves to collect coins from all over the universe, including some other planets like Mars. One day she visited a universal shopping mall which could accept all kinds of coins as payments. However, there was a special requirement of the payment: for each bill, she could only use exactly two coins to pay the exact amount. Since she has as many as 105 coins with her, she definitely needs your help. You are supposed to tell her, for any given amount of money, whether or not she can find two coins to pay for it.

**Input Specification:**

Each input file contains one test case. For each case, the first line contains 2 positive numbers: N (<=105, the total number of coins) and M(<=103, the amount of money Eva has to pay). The second line contains N face values of the coins, which are all positive numbers no more than 500. All the numbers in a line are separated by a space.

**Output Specification:**

For each test case, print in one line the two face values V1 and V2 (separated by a space) such that V1 + V2 = M and V1 <= V2. If such a solution is not unique, output the one with the smallest V1. If there is no solution, output "No Solution" instead.

**Sample Input 1:**

8 15

1 2 8 7 2 4 11 15

**Sample Output 1:**

4 11

**Sample Input 2:**

7 14

1 8 7 2 4 11 15

**Sample Output 2:**

No Solution

这道题的难点在于给的时间非常小，但是有个特点，他给硬币的面值也很少，那对于硬币建一个表，确定它存不存在，接下来将输入排个序，然后从小到大查询当前面值的对应面值存不存在就好了

两个坑点：

1. 查询的时候没设条件的话可能会sum-current-facevalue的值超出500块，即打表数组范围导致爆数组

2，sum可以有两个当前最小面值组成的时候，这个时候要注意下当前面值的数量。