

Problem 2

Subset Partitioning

Write a program that takes a set of "n" integers ($n \leq 10$) and partitions it into two distinct subsets such that the sum of the integers of the two subsets are the same.

Input

Input will consist of a set of 10 or fewer integers passed through the command line as arguments to your program.

Output

Output should consist of the two partitioned sets, in any order, separated by three new line characters printed to the standard output. You should print "No solution" if none exists.

Sample input

```
3 4 5
```

Sample output

```
No solution
```

Sample input

```
9 2 3 5 0 8 1 6 2
```

Sample output

```
2 5 3 8
```

```
9 1 6 0 2
```