

“POWER OF 2” PROJECT

Create a program that determines if the user’s entry leads to a power of 2

User Requirements

The user will enter a series of ten whole numbers. Based on those ten numbers, the program determines which numbers add up to an integral power of two. Consider the following sample execution of the program as an example.

```
Enter number 1: 5
Enter number 2: 530
Enter number 3: 9
Enter number 4: 6
Enter number 5: 25
Enter number 6: 14
Enter number 7: 101
Enter number 8: 394
Enter number 9: 71
Enter number 10: 51

The following subset sums to a power of 2

530 + 9 + 6 + 14 + 394 + 71 = 1024
```

```
Enter number 1: 5
Enter number 2: 530
Enter number 3: 9
Enter number 4: 6
Enter number 5: 25
Enter number 6: 14
Enter number 7: 101
Enter number 8: 495
Enter number 9: 61
Enter number 10: 51

No subset sums to a power of 2
```

Software Requirements

Create a flowchart or pseudo code to establish an algorithm of how to solve this problem.

Create a void function called ***userEntry*** that is responsible for the data entry.

Create a function called.

You are permitted to create any additional arrays, variables, functions, etc. towards the completion of this project.