# Problem 2 – Adding Angles

In geometry, an angle is the figure formed by two lines, called the sides of the angle, sharing a common endpoint, called the vertex of the angle. A circle is a geometric shape that can be equated to exactly 360 degrees or one full rotation of a point around the center of the circle. You are given **n numbers** representing different measurements of angles in degrees. Write a program to find among these numbers all **sets of three angles** that, summed together, give **full circle (one or more full rotations – 360, 720, 1080,…,i x 360 degrees)**.

### Input

The input comes from the console. The first line holds the **count** **n**. The next line holds **n integer numbers**, separated by a space.

The input data will always be valid and in the format described. There is no need to check it explicitly.

### Output

Print at the console all **sets of three numbers {a,b,c}** found in the input sequence in format "**a + b + c = 360 degrees**" (with spaces), each at a separate line. The **order** of the output lines **is not important**. Print "**No**" in case no set of numbers exist, among the input sequence, that makes **exact full circle**.

### Constraints

* The **count** **n** will be an integer number in the range [3…50].
* The input **numbers** will be **distinct** integers in the range [0…9999].
* Time limit: 0.5 sec. Memory limit: 16 MB.

### Examples

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Input** | **Output** |  | **Input** | **Output** |
| 3  180 90 90 | 180 + 90 + 90 = 360 degrees | 5  270 90 270 180 0 | 270 + 90 + 0 = 360 degrees  270 + 270 + 180 = 720 degrees  90 + 270 + 0 = 360 degrees |

|  |  |
| --- | --- |
| **Input** | **Output** |
| 4  57 23 46 51 | No |