Accico Equi Pairs

Problem Description

Ron Wesley has been bit by a three-headed snake and Harry Potter is searching for a potion. The Witch promises to tell the ingredients of the medicine if Harry can find **equi pair** of an array. Listen to the conversation between Harry The witch to know more about equi pairs.

Conversation:-

The Witch : To find the equi pair, you must know how to find the slices first.
Harry : What is a slice?
The Witch : If Z is an array with N elements, a slice of indices (X, Y) is Z[X] + Z[X+1]...Z[Y]
Harry : How can I use it to find equi pair?
The Witch : (a, b) is an equi pair if slice of (0, a-1) = slice of (a+1, b-1) = slice of (b+1, N-1) and b>a+1 and size of array > 4

Input Format:

An array of N integers delimited by white space

Output Format:

Print equi pair in first line in the format {a, b}
Print slices in the format {0, a-1}, {a+1, b-1}, {b+1, N-1}

OR

Print "Array does not contain any equi pair" if there are no equi pairs in the array

Constraints:

Z_i >= 0 and 1<= i <=N

size of array (N) > 4

b > (a+1)

Sample Input and Output

Sr No.	Input	Output
1	8 3 5 2 10 6 7 9 5 2	Indices which form equi pair {3,6} Slices are {0,2}, {4,5}, {7,9}
2	6 2 6 2 3 3 1 9	Array does not contain any equi pair

Explanation :

Here index { 3,6 } is an equi pair.
Because Slice of { 0,2 } = 8+3+5=16 is equal to Slice of { 4,5 }=10+6 = 16 and it is equal to Slice of { 7,9 }=9+5+2 =16