Explanation of codes-----First-test S2C6 Horace Sun

#1 string

First define the input string as new\_str, then use a loop, while the length of the string is not zero, add the current string to the list and then make the string reduce the last figure and this loop will eventually make the length of the string be zero and each loop, a string will be added which will lead to the result.

#2 Add vectors

First we define an empty list, then we use a loop that while i is in range between 0 and the length of the vector, we add each part of the vector respectively in order, because the first number of the first list has to add with the first number in the second list and so on, so we add the same position of the two list together with is the “i”th term of the vector and we add it to the new list. Finally we add all the repective numbers together and make them a new list.

#3 Equal sum slice

In this question we state that for the four output integers in the range of list1 and list2 respectively, we define the slice of each list, then we say that if the sum of the two slices are equal, and the length of the slice is not zero, then return the value of the four output numbers.

#4 sort

First we make an empty list, then we use a loop that while the length of the original unsorted list isn’t zero, we append the smallest number of the original list to the new list, and then we remove the smallest number in the original list from the original list, after several cycles, the original list will be empty and the new list will be sorted because it is added from the smallest number.