Part1

In this part, function question1 takes distances of hotels as input and gives penalty and stops as output.

Part2

In this part, function word_check takes a string to be parsed and determines whether the string s can be reconstituted as a sequence of valid words. Output is True or False.

Part3

In this part, function called "q3" takes an array of arrays as input and merges them and gives merged and sorted list as output.

Part4

In this part, function takes list of people and pairs as input, and determines whom to call to the party in terms of number f people that each person know.