Online Assessments on Hackerrank

1. Programming Contest

A programming organization is planning a contest for several programmers, each of which has a certain rating. (The higher the rating, the better the programmer.) Each programmer is paired with another programmer, and the difference between their ratings is referred to as the “bias amount”. Given the ratings of all the programmers in the contest, what is the minimum total bias amount that can be achieved by optimally planning the programmer pairs?

Sort the array and you can find the answer.

1. Maximum Swiggy Genie

This sum is a variation of Maximum Profit in Job Scheduling. Given 3 arrays called as pickup, drop and tip. Find the max profit the delivery guy can earn. The guy can only process one delivery at a time.

Sample test case:

Pickup: [0, 2, 9, 10, 11, 12]

Drop: [5, 9, 11, 11, 14, 17]

Tip: [1, 2, 3, 2, 2, 1]

He gets profit of 5 - 0 + 1 = 6

6 units if delivers the 1st order

I solved this question the end and time was getting over. It was giving compile time error. I just submitted the solution.

1. Flexible Strings

Given a string abccc, given are below operations

b can be replaced by c

a can be replaced by b

Can the given string converted to all of the same the characters? The string abccc can be converted to ccccc by following operations:

Convert b at index 1 to c

Convert a at index 0 to b

Convert b at index 0 to c

The given operations can be performed infinite number of times on the string. We need to find whether the string can be converted to a string containing all same characters. Note: the operations can be performed in any order and any number of times.