Online – 7 (A1/A2) Divide and Conquer

Duration: 40 minutes

You are given a string ***s*** consisting of lowercase letters. An **adjacent inverted pair** is defined as a pair of consecutive characters ***(s[i], s[i+1])*** such that ***s[i] > s[i+1]*.** Your task is to count the total number of adjacent inverted pairs in the string.

You must solve this problem using a **divide-and-conquer** approach. Assess the time complexity.

Input	Output
abcfrx	0
abdcbabxawer	5

Explanation: For the 2nd case, the pairs are “dc”, “cb”, “ba”, “xa”, and “we”.