

By Cesar Gutierrez  
3/18/23  
[cesarg7@csu.fullerton.edu](mailto:cesarg7@csu.fullerton.edu)  
Submission for Project 2  
For CPSC 335 Spring 2023

Algorithm 1 resulting lists:

[34, 38, 44, 51]  
['brea', 'corona', 'modesto', 'clovis']

[12, 25, 43, 49]  
['fremont', 'fullerton', 'fresno', 'chino']

[21, 26, 43, 59]  
['marco', 'oxnard', 'irvine', 'orange']

Algorithm 2 resulting encoding:

3d  
hel8o there  
ch2osem2eky and tuition-fr2e

Algorithm 3 resulting merged lists:

[-10, -1, 0, 2, 2, 4, 5, 6, 9, 12, 20, 21, 81, 121, 150]  
[-3, 0, 3, 7, 8, 9, 10, 11, 11, 12, 17, 18, 19, 21, 29, 29, 81, 88, 121, 131]  
[-4, -2, 0, 2, 4, 5, 6, 6, 7, 10, 10, 12, 14, 15, 20, 24, 25]