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CS 31 Project 4 Report

1. One problem I ran into while implementing this program was that, when creating the matching values together function, I neglected the fact that there could be more than two matching values together in a row. This led to the function failing several test cases before I realized the mistake. No significant problems were encountered otherwise.
2. Some test cases I came up with include:

Sequences of strings of random letters: tests the basic workings of several functions

[“agsgd”,”gaerbsf”,”fgdzs”,”agdfhsgf”,”gfxn”, “sgdhfs”]

[“shhn”,”wiuhrts”,”urieghs”,”aguyb”,” ghjvds”]

[“gbjbfknjhu”, “hjbfdx”,”sbjsnkdf”,”vbiuygxf”]

Sequences with varying numbers of repeating values: to test hasDuplicates and matchingValuesTogether

[“bob”, “jane”, “rob”, “me”, “rob”]

[“iphone”,”iphone”,”iphone”,”iphone”,”iphone”]

[“macbook”,”macos”,”linux”,”linux”,”linux”,”emacs”]