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CS 5450

Report for Part 1

For this project I decided to use Java

Talk about how if the countConflicts was a time constraint instead of space constraint, I would’ve used a 2d boolean array that was C by C with all values initialized to false. To add a conflict while making sure its not a duplicate, I would do the following: if the two conflicting courses were X and Y, then I would have gone to the index [X][Y] and if it was false then then I would have made it and [Y][X] true. If it was already true, then it is a duplicate conflict and nothing needs to be done. This would have been much faster than the implementation I went with, however it requires O(C^2) space which is greater than the O(M) space requirement.