

Assignment 2 of CS2209A

Completion of the assignment must be an individual effort.

Due date: 2021.10.8 (by 11:55 pm)

This assignment is worth 10% towards your final mark.

You need to complete the following sets of [LogiCola](#) exercises. For each set that you complete, set your “Scoring Level” to 8 or higher.

1. D-AM, 1% (use truth table to prove an argument)
2. D-AH 2% (save as 1 but more propositions. Note: LogiCola “forces” you to complete the whole table in order to draw conclusions. In exams, you can skip parts of the table using the “short-cut” methods mentioned in slides/textbook. Of course, if you skip the wrong parts, marks would be deducted).
3. E-S, 1% (in exams, you need to show us how you do it on paper)
4. E-E 1% (Easy to pass in LogiCola, but in exams, you first need to translate all premises and the conclusion into WFFs. Then prove with methods specified, such as truth table as 1/2 here, truth argument as 3 here, or s/i rules as 6/7/8 here, on paper)
5. F-CH (1%, use s/i rules)
6. G-EV (1%, refutation. In exams, you need to perform this on paper)
7. G-HV (2%, refutation with additional assumptions. In exams, you need to perform this on paper).
8. G-EI (1%. In exams, you need to do this on paper)

How to Submit:

Submit your score file via [OWL](#) (just as you’d submit a PDF file) before the deadline.