

Remember that when writing “semi-formal” proofs for this class, you need to use the style I introduced in the lectures this week. In particular, you must follow the following guidelines:

- Clearly indicate all assumptions.
- Only use one rule per step.
- Always cite the rule you use by name.
- Always cite which premises you are using in each step.
- Only use rules which we have discussed in class. (For this assignment, you will only need to use \wedge -Introduction, \wedge -Elimination, Double Negation, and Application.)

You can see several examples of semi-formal proofs in section 2.15 the old C241 lecture notes.

1. Provide a semi-formal proof of the following claim:

$$\neg\neg A \wedge \neg B, A \rightarrow C \vdash C \wedge \neg B$$