

# [11-01-20-T21]

## Assignment

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[1] On page 3 of the photocopy from Thomason's book, the author provides several examples of proofs in the system  $S_0$ . For proofs ii, iii, please try state for each line whether it is an axiom or an inference from previous lines. If the line is an inference, state which of the two rules of inference are used: *modus ponens* or substitution.

Remember that *modus ponens* is the form:

1. something  $\supset$  another thing
2. something
3. another thing            1,2 mp

Using the shorthand 1,2 mp to say "from lines 1 and 2 by *modus ponens*".