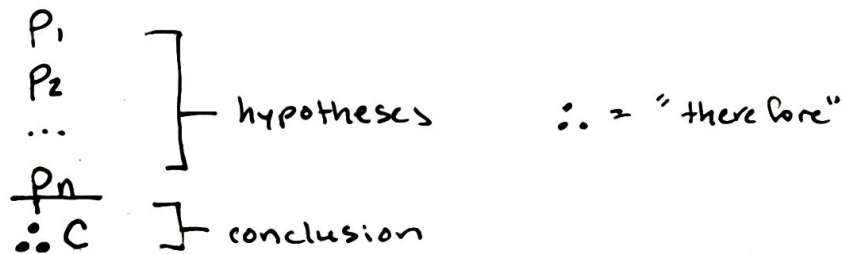


Definitions (Module 02)

argument - a sequence propositions (hypotheses) followed by a final proposition (conclusion)

- valid argument has all hypotheses being true
- invalid argument - doesn't have all hypotheses as true



$(p_1 \wedge p_2 \wedge \dots \wedge p_n) \rightarrow C$ is valid (a tautology)

element - the value plugged in for a variable in a quantified expression

arbitrary element - no special properties other than those shared by all domain elements

particular - may have properties not shared by all domain elements

*** any element defined in a hypotheses is particular

element definition - the line introducing an element in a proof

*** must specify if an element is arbitrary or particular

*** not applied to elements defined in hypotheses