

Lecture-15 Main Points

- Example derivations involving quantifiers in \vdash_{Nm} , \vdash_{Ni} and \vdash_{Nc} .
- Formal Semantics of FOL
 - Structures \mathcal{A}
 - valuations I
 - Satisfaction relation $(\mathcal{A}, I) \models \phi$, defined by induction of ϕ .
- Classical meaning of quantifiers.
- Constructive meaning of quantifiers
 - Extending BHK constructions to include quantifiers