LGIC 010 & PHIL 005
Definitions for Practice Examination II
Spring Term, 2018

- A list of pure monadic schemata is *succinct* if and only if no two schemata on the list are equivalent.

- A pure monadic schema *implies a list of schemata* if and only if it implies every schema on the list.

- The *power* of a pure monadic schema is the length of a longest succinct list of pure monadic schemata it implies.

- If X is a finite set, we write $|X|$ for the number of members of X.

- If S is a schema, we write $\mathsf{mod}(S, n)$ for the set of structures A such that $A \models S$ and $U^A = \{1, \ldots, n\}$.

- $\mathbb{Z}^+$ is the set of positive integers $\{1, 2, 3, \ldots\}$.

- $\mathsf{Spec}(S) = \{n \in \mathbb{Z}^+ \mid \mathsf{mod}(S, n) \neq \emptyset\}$.