Definition (Category **BoundedLat**)

The category **BoundedLat** is defined by:

1. *Objects*: The objects of this category are all bounded lattices.

2. *Morphisms*: The morphisms from a lattice X to a lattice Y are the bounded lattice homomorphisms maps from X to Y.

3. *Identity morphism*: The identity morphism for the bounded lattice X is the identity map Id_X.

4. *Composition operation*: The composition operation is composition of maps.