Example Laws

Some are axioms, some are theorems

```
|T| = True                    |F| = False

∀x. x ∈ Bool
    ⇒
    (|¬|◇x = bool2Bool(¬(x = |T|)))

∀f X.
 f ∈ (X → Bool)
 ⇒
 ((|∃| X)◇f =
  bool2Bool(∃x. x ∈ X ∧ (f◇x = |T|)))

∀X x y.
  x ∈ X ∧ y ∈ X
  ⇒
  (((|=| X)◇x)◇y = bool2Bool(x = y))

∀X x y.
  x ∈ X ∧ y ∈ X
  ⇒
  ((x = y) = (((|=| X)◇x)◇y = |T|))
```