

Proof Define $a \downarrow_c b \Leftrightarrow \sigma^Z(a) \downarrow_{\sigma^Z(c)}^T \sigma^Z(b)$

- Verify axioms:
- Invariance ✓
 - symmetry ✓
 - transitivity ✓
 - finite character ✓
 - local character ✓
 - ~~the~~ independence thm // ((T)^T-saturated) - models closed under σ .
- ↑
this follows from last lecture (Exercise)
- extension: