

# Formalizing AMR Inference via Hybrid Logic Tableaux

## CL Masters Thesis Defense

Eli Goldner

July 26, 2021

# FHTL Tableau Example

- (1)  $\text{@}_s(\exists x)[P((\exists y)[f(x, y) = f(y, x)]) \vee \neg(\exists z)[x = z]]$
- (2)  $\text{@}_s P((\exists y)[f(s_1, y) = f(y, s_1)]) \vee \neg(\exists z)[s_1 = z]$
- (3)
- 
- (4)  $\text{@}_s P((\exists y)[f(s_1, y) = f(y, s_1)]) \quad \text{@}_s \neg(\exists z)[s_1 = y]$
- (5)  $\text{@}_s P t \quad \text{@}_s \neg[s_1 = s_1]$
- (6)  $\text{@}_t(\exists y)[f(s_1, y) = f(y, s_1)] \quad \otimes$
- (7)  $\dots$