

THESIS

Subsymbolic

MAB learns blindly

- ✓ Adaptive
- ✓ Data-driven
- ✗ Slow convergence
- ✗ Ignores constraints
- ✗ No explainability

ANTITHESIS

Symbolic

Rules without learning

- ✓ Deterministic
- ✓ Explainable
- ✓ Constraint-safe
- ✗ Rigid
- ✗ Cannot optimize

SYNTHESIS

Neurosymbolic

Guided learning

- ✓ Adaptive
- ✓ Explainable
- ✓ Constraint-safe
- ✓ Fast convergence
- ✓ Action space reduction