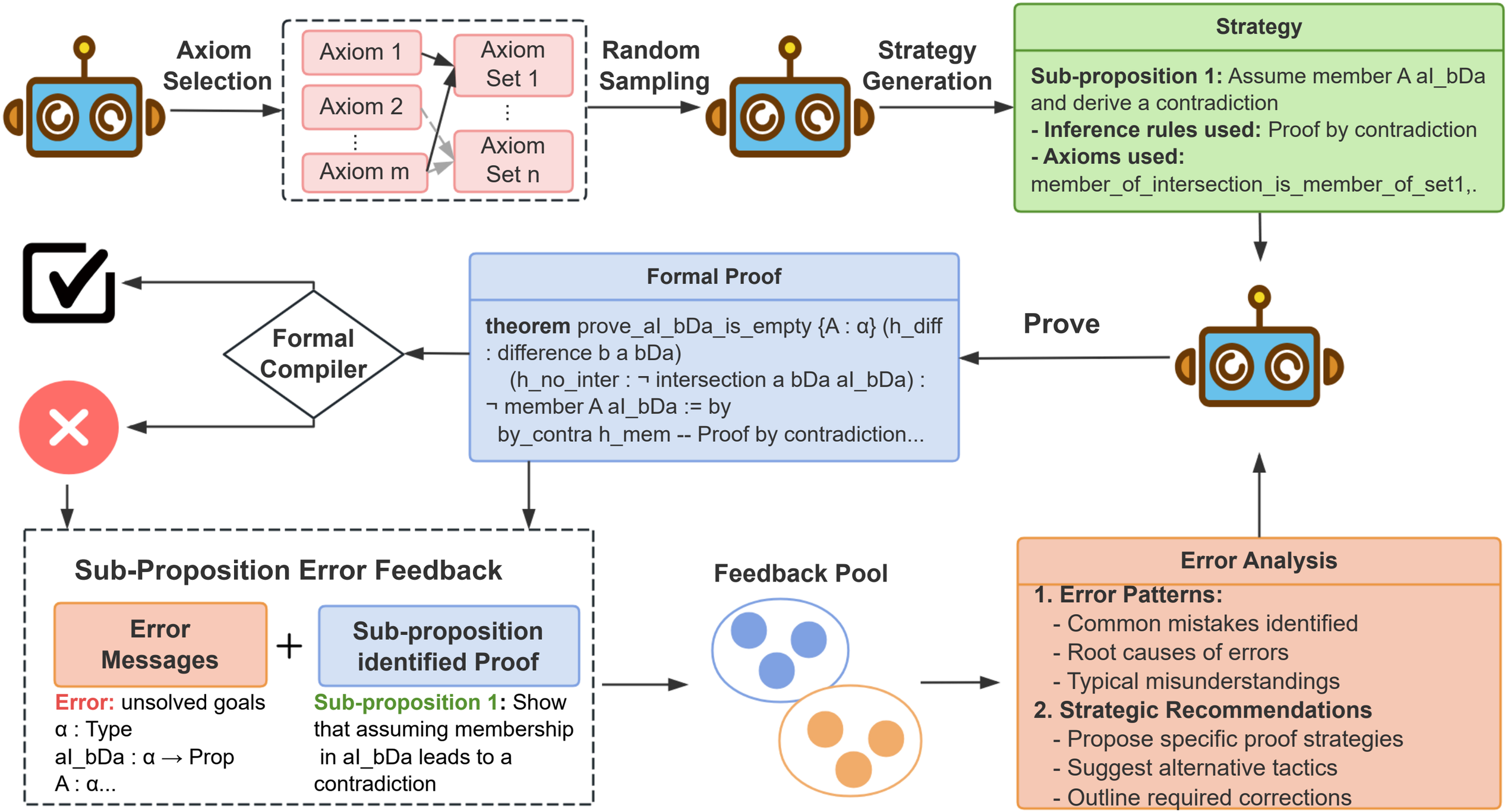
Axiom Selection
Axiom 1
Axiom 2
Axiom m
Axiom Set 1
Axiom Set n
Random Sampling
Strategy Generation
Strategy
Sub-proposition 1: Assume member A al_bDa and derive a contradiction
- Inference rules used: Proof by contradiction
- Axioms used:
member_of_intersection_is_member_of_set1,.
Prove
Formal Proof
theorem prove_al_bDa_is_empty {A : α} (h_diff : difference b a bDa)
(h_no_inter : ¬ intersection a bDa al_bDa) :
¬ member A al_bDa := by
by_contra h_mem -- Proof by contradiction...
Formal Compiler
Sub-Proposition Error Feedback
Error Messages
+
Sub-proposition identified Proof
Error: unsolved goals
α : Type
al_bDa : α → Prop
A : α...
Sub-proposition 1: Show that assuming membership in al_bDa leads to a contradiction
Feedback Pool
Error Analysis
1. Error Patterns:
- Common mistakes identified
- Root causes of errors
- Typical misunderstandings
2. Strategic Recommendations
- Propose specific proof strategies
- Suggest alternative tactics
- Outline required corrections