LogicEnv

Framework for formal verification of Algorand projects

Formal Verification

- Programs as mathematical formulas

- Infinite cases covered

Theorem provers

- Lean
- Rocq (a.k.a Coq)
- Agda

Companies

- Formal Land (Tezos, Ethereum)
- Anastasia Labs (Cardano)

Demo

- Lean DSL for writing TEAL
- Correct by construction
- Simple smart contract (Pin1234)