

# Semantic Abstraction Level

## API Documentation

- ✓ Semantically rich
- ⚠ Verbose, Unstructured
- ⚠ Hard to support long-horizon reasoning



Documentation Extraction

RPG-Encoder



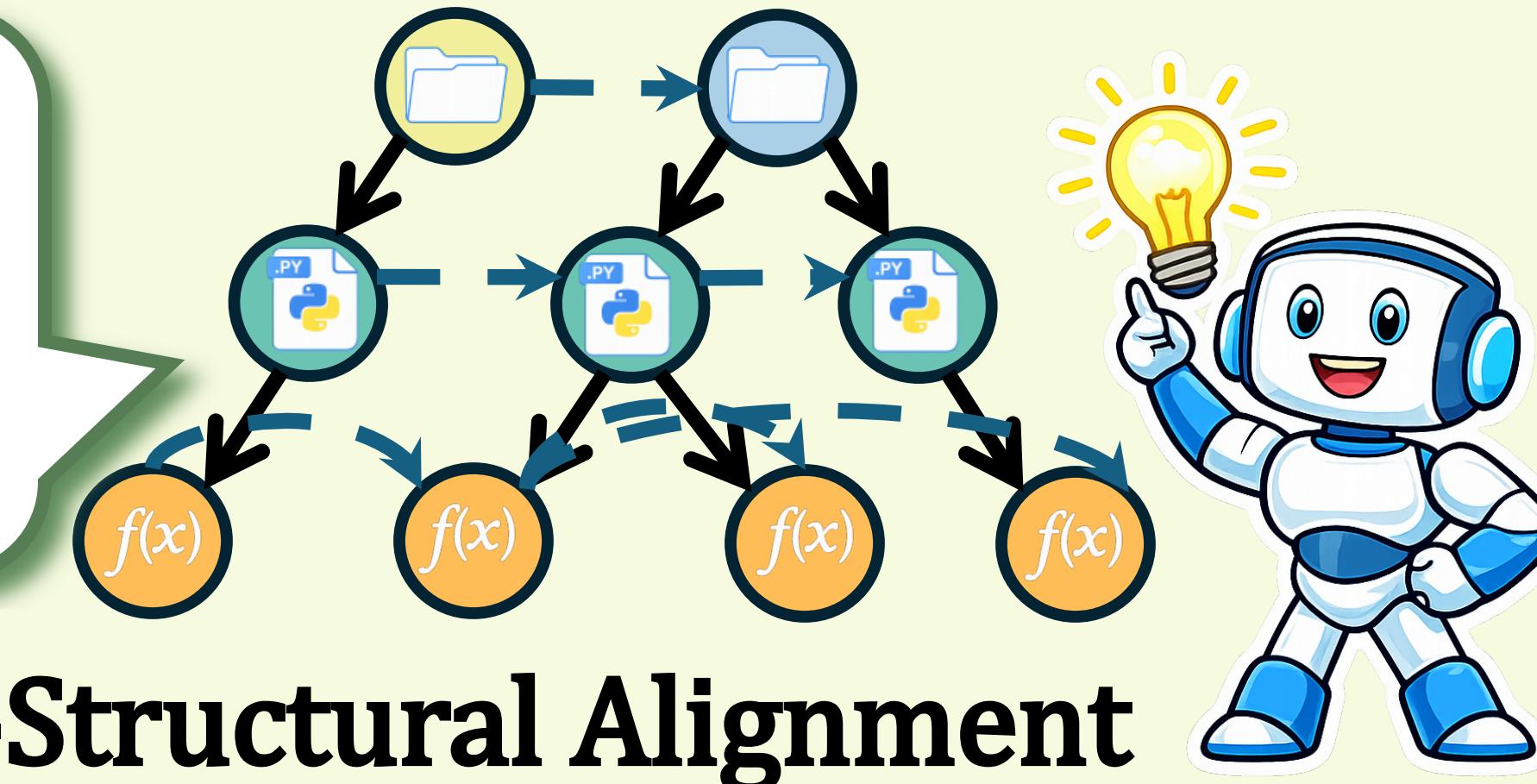
## Raw Codebase

- ⚠ Verbose details
- ⚠ Implicitly structured
- ⚠ High context cost

Static Analysis

## Repository Planning Graph (RPG)

**feature:** Pattern Detector  
**path:** sklearn/isotonic.py



- ✓ Semantic-Structural Alignment
- ✓ Dual-view (functional + dependency)
- ✓ Persistent and Evolvable Substrate

## Dependency Graph

- ✓ Highly Structured
- ⚠ Execution-centric
- ⚠ Limited semantic intent



Structural Explicitness & Actionability