PyPy Translation Architecture

Restricted Python Code (RPython) —— Abstract Interpretation ——→ control flow graphs

control flow graphs —— Type Inference ——→ annotated flow graphs

annotated flow graphs —— object oriented typing ——→ oo-typed flow graphs

annotated flow graphs —— low level typing ——→ Low Level flow graphs

Translation Aspects threading GC ...

oo-typed flow graphs —— High Level Backend Code Generation ——→ Self-Contained Python Version

Low Level flow graphs —— Low Level Backend Code Generation ——→ Self-Contained Python Version