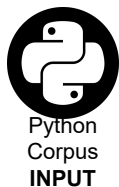
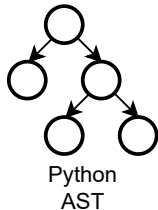




Leroy



Python
Corpus
INPUT

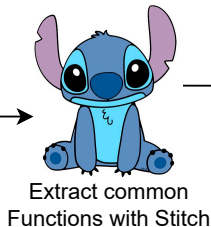


Python
AST

Lispify



Lisp-like
code



Extract common
Functions with Stitch



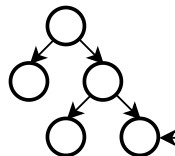
Lisp-like
abstraction

Prune invalid
abstraction if needed



Check
size

Pythonize



Abstraction
AST



unparse
AST and
check it



Prune invalid
abstraction if needed

Check
liveness

Add return
statements if needed



Compressed
Python code