



Web Device

Manager for
WWW
dev_www.pl

ER1 Device

Manager for
ER1 robot
dev_er1.pl

RCX Device

Manager for
Lego RCX
dev_rcx.pl

SIM Device

Simulator in
terminal
dev_sim.pl

TCP/IP Socket Communication

Environment Manager

Middleware devices and
executor (actions +
sensing + exog events)
env_man.pl

Main Cycle

Top-level
Execution
Cycle
indigolog.pl

asserts exog actions
pending/1

execute_action/4

query transition

trans/4
final/2

Trans

Single step
semantics
transfinal.pl

load_devices/2
how_to_execute/3
translate_exog/2
translate_sensing/3

Application

Execution
information
main.pl

Axioms

Domain
axiomatization
domain.pl

Programs

High-level
programs
domain.pl

handle_sensing/4
progress_db/2

Projector

Evaluates
formulas
eval.pl

holds/2