Basic Jess Info

To run type java jess.Main

The Jess prompt will then appear.

You must have /usr/local/Jess in your CLASSPATH

To run type java Jess.Main

You can find some examples under /usr/local/Jess

Production Rule Language

Inference Engine

Procedural Language

Rule

Fact

Choose

Match

Execute

Production Rule Language

Procedural Language

Today is sunday

Today is weekday

Weather is warm

Weather is cold

Facts

Rules
(define-rules chores-

"Things to do on Sunday"
(salience 10)
(today is sunday)
/weather is warm

=>
(assert (wash car))
(assert (chop wood))
)

(define-rules fun-

"Better things to do on Sunday"
(salience 100)
(today is sunday)
/weather is warm

=>
(assert (drink beer))
(assert (play guitar))
)

(define-rules pick-a-chore-

"allocating chores to days"
(today is ?day)
(chore is ?job)

=>
(assert (do ?job on ?day))
)

Variables
Variables (cont)

(defrule drop-a-chore
  (allocating chores to days)
  (today is ?day)
  (?chore <- (do ?job on ?day))
  => (retract ?chore))

Running Examples

Jess> (assert (human Socrates))
Jess> (defrule mortal (human ?X) => (mortal ?X))
Jess> (watch facts)
Jess (run) ==> f-1 (MAIN: mortal Socrates)

Running Jess Alternatives

▶ Load From File
Jess> (batch socrates.clp)
 Jess> (watch facts)
 Jess> (run)

▶ From Command Line
java jess.Main socrates.clp

Vanables (cont)

(define drop-a-chore)
  (allocating chores to days)
  (today is ?day)
  (?chore <- (do ?job on ?day))
  => (retract ?chore)