

Reasoning

Perception

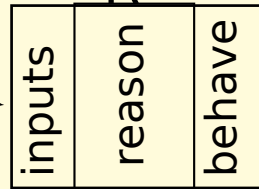
robot's previous actions

child's gaze direction

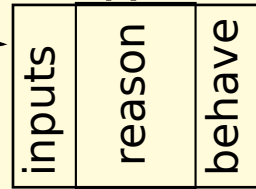
child's feedback

Dynamics

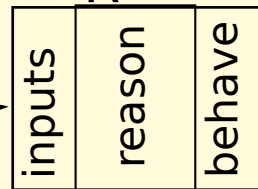
$M_R[H]$



$M_R[R]$



$M_R[HR]$



Decision

maintain
child's
commitment
(learning by
teaching)

repair mis-
understanding
(reverse
dynamics)

Action

handwriting
based on
last state &
new demo

improve
handwriting

deteriorate
handwriting

look at
the child

exaggerate
an action

