

Homework – Week 1

- Read chapter 1 and section 8.1
- Formalize in STRIPS: “Robot is at location a of connected locations a, b, c; it wants to reach location c.”
 - Objects:
 - robot r
 - locations: a, b, c
 - Properties:
 - $At(O,L)$: O is at location L
 - $Conn(L1,L2)$: location L1 is connected to location L2
 - Actions:
 - $Move(X, Y)$: r moves from X to Y *if X is connected to Y*
 - Initial state: robot r is at location a
 - Goal: robot r is at location c
- Write and run the resulting program. Expected output is:
Plan: $Move(a, b) \rightarrow Move(b, c)$
- Submit the program as a single text file