Lab 2: Create a Planner

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Note: ‘L’, ‘M’ and ‘R’ are used to denote the floor of each list.

Console output for lab2:

current state:

current state: [['L', 'C', 'B', 'A'], ['M'], ['R']]

laststate: []

state before laststate: []

Actions [['A', 'M']]

current state: [['L', 'C', 'B'], ['M', 'A'], ['R']]

laststate: [['L', 'C', 'B', 'A'], ['M'], ['R']]

state before laststate: []

Actions [['A', 'B'], ['A', 'R']]

current state: [['L', 'C', 'B'], ['M'], ['R', 'A']]

laststate: [['L', 'C', 'B'], ['M', 'A'], ['R']]

state before laststate: [['L', 'C', 'B', 'A'], ['M'], ['R']]

Actions [['B', 'M'], ['A', 'M']]

current state: [['L', 'C'], ['M', 'B'], ['R', 'A']]

laststate: [['L', 'C', 'B'], ['M'], ['R', 'A']]

state before laststate: [['L', 'C', 'B'], ['M', 'A'], ['R']]

Actions [['B', 'C'], ['A', 'B']]

current state: [['L', 'C'], ['M', 'B', 'A'], ['R']]

laststate: [['L', 'C'], ['M', 'B'], ['R', 'A']]

state before laststate: [['L', 'C', 'B'], ['M'], ['R', 'A']]

Actions [['A', 'C'], ['A', 'R']]

current state: [['L', 'C', 'A'], ['M', 'B'], ['R']]

laststate: [['L', 'C'], ['M', 'B', 'A'], ['R']]

state before laststate: [['L', 'C'], ['M', 'B'], ['R', 'A']]

Actions [['A', 'B'], ['B', 'R']]

current state: [['L', 'C', 'A'], ['M'], ['R', 'B']]

laststate: [['L', 'C', 'A'], ['M', 'B'], ['R']]

state before laststate: [['L', 'C'], ['M', 'B', 'A'], ['R']]

Actions [['A', 'M'], ['B', 'M']]

current state: [['L', 'C'], ['M', 'A'], ['R', 'B']]

laststate: [['L', 'C', 'A'], ['M'], ['R', 'B']]

state before laststate: [['L', 'C', 'A'], ['M', 'B'], ['R']]

Actions [['A', 'C'], ['A', 'B']]

current state: [['L', 'C'], ['M'], ['R', 'B', 'A']]

laststate: [['L', 'C'], ['M', 'A'], ['R', 'B']]

state before laststate: [['L', 'C', 'A'], ['M'], ['R', 'B']]

Actions [['C', 'M'], ['A', 'M']]

current state: [['L'], ['M', 'C'], ['R', 'B', 'A']]

laststate: [['L', 'C'], ['M'], ['R', 'B', 'A']]

state before laststate: [['L', 'C'], ['M', 'A'], ['R', 'B']]

Actions [['C', 'L'], ['A', 'C']]

current state: [['L'], ['M', 'C', 'A'], ['R', 'B']]

laststate: [['L'], ['M', 'C'], ['R', 'B', 'A']]

state before laststate: [['L', 'C'], ['M'], ['R', 'B', 'A']]

Actions [['A', 'L'], ['A', 'B']]

current state: [['L', 'A'], ['M', 'C'], ['R', 'B']]

laststate: [['L'], ['M', 'C', 'A'], ['R', 'B']]

state before laststate: [['L'], ['M', 'C'], ['R', 'B', 'A']]

Actions [['A', 'C'], ['B', 'C']]

current state: [['L', 'A'], ['M', 'C', 'B'], ['R']]

laststate: [['L', 'A'], ['M', 'C'], ['R', 'B']]

state before laststate: [['L'], ['M', 'C', 'A'], ['R', 'B']]

Actions [['A', 'B'], ['B', 'R']]

current state: [['L'], ['M', 'C', 'B', 'A'], ['R']]

laststate: [['L', 'A'], ['M', 'C', 'B'], ['R']]

state before laststate: [['L', 'A'], ['M', 'C'], ['R', 'B']]

Actions [['A', 'L'], ['A', 'R']]

current state: [['L'], ['M', 'C', 'B'], ['R', 'A']]

laststate: [['L'], ['M', 'C', 'B', 'A'], ['R']]

state before laststate: [['L', 'A'], ['M', 'C', 'B'], ['R']]

Actions [['B', 'L'], ['A', 'B']]

current state: [['L', 'B'], ['M', 'C'], ['R', 'A']]

laststate: [['L'], ['M', 'C', 'B'], ['R', 'A']]

state before laststate: [['L'], ['M', 'C', 'B', 'A'], ['R']]

Actions [['B', 'C'], ['A', 'C']]

current state: [['L', 'B'], ['M', 'C', 'A'], ['R']]

laststate: [['L', 'B'], ['M', 'C'], ['R', 'A']]

state before laststate: [['L'], ['M', 'C', 'B'], ['R', 'A']]

Actions [['A', 'B'], ['A', 'R']]

current state: [['L', 'B', 'A'], ['M', 'C'], ['R']]

laststate: [['L', 'B'], ['M', 'C', 'A'], ['R']]

state before laststate: [['L', 'B'], ['M', 'C'], ['R', 'A']]

Actions [['A', 'C'], ['C', 'R']]

current state: [['L', 'B', 'A'], ['M'], ['R', 'C']]

laststate: [['L', 'B', 'A'], ['M', 'C'], ['R']]

state before laststate: [['L', 'B'], ['M', 'C', 'A'], ['R']]

Actions [['A', 'M'], ['C', 'M']]

current state: [['L', 'B'], ['M', 'A'], ['R', 'C']]

laststate: [['L', 'B', 'A'], ['M'], ['R', 'C']]

state before laststate: [['L', 'B', 'A'], ['M', 'C'], ['R']]

Actions [['A', 'B'], ['A', 'C']]

current state: [['L', 'B'], ['M'], ['R', 'C', 'A']]

laststate: [['L', 'B'], ['M', 'A'], ['R', 'C']]

state before laststate: [['L', 'B', 'A'], ['M'], ['R', 'C']]

Actions [['B', 'M'], ['A', 'M']]

current state: [['L'], ['M', 'B'], ['R', 'C', 'A']]

laststate: [['L', 'B'], ['M'], ['R', 'C', 'A']]

state before laststate: [['L', 'B'], ['M', 'A'], ['R', 'C']]

Actions [['B', 'L'], ['A', 'B']]

current state: [['L'], ['M', 'B', 'A'], ['R', 'C']]

laststate: [['L'], ['M', 'B'], ['R', 'C', 'A']]

state before laststate: [['L', 'B'], ['M'], ['R', 'C', 'A']]

Actions [['A', 'L'], ['A', 'C']]

current state: [['L', 'A'], ['M', 'B'], ['R', 'C']]

laststate: [['L'], ['M', 'B', 'A'], ['R', 'C']]

state before laststate: [['L'], ['M', 'B'], ['R', 'C', 'A']]

Actions [['A', 'B'], ['B', 'C']]

current state: [['L', 'A'], ['M'], ['R', 'C', 'B']]

laststate: [['L', 'A'], ['M', 'B'], ['R', 'C']]

state before laststate: [['L'], ['M', 'B', 'A'], ['R', 'C']]

Actions [['A', 'M'], ['B', 'M']]

current state: [['L'], ['M', 'A'], ['R', 'C', 'B']]

laststate: [['L', 'A'], ['M'], ['R', 'C', 'B']]

state before laststate: [['L', 'A'], ['M', 'B'], ['R', 'C']]

Actions [['A', 'L'], ['A', 'B']]

[['L'], ['M'], ['R', 'C', 'B', 'A']]

finished