

Nathan Sucher

Homework 1 Task 1

Output For Case 1:

DONE

Number of steps: 131
Path to Goal: ['Down', 'Down', 'Down', 'Left']
Time: 0.020991802215576172 seconds
Open List Size: 268
Nodes Added to Open List: 399
Nodes Added to Closed List: 131

Steps From Goal to Start:

State ID: 9
Parent State ID: 6
Depth: 4
Move: Left

State ID: 6
Parent State ID: 4
Depth: 3
Move: Down

State ID: 4
Parent State ID: 3
Depth: 2
Move: Down

State ID: 3
Parent State ID: 1
Depth: 1
Move: Down

State ID: 1
Parent State ID: None
Depth: 0
Move: None

Output For Case 2:

DONE

Number of steps: 1143
Path to Goal: ['Up', 'Up', 'Left', 'Down', 'Right', 'Down']
Time: 0.5213775634765625 seconds
Open List Size: 2384
Nodes Added to Open List: 3527
Nodes Added to Closed List: 1143

Steps From Goal to Start:

State ID: 12
Parent State ID: 10
Depth: 6
Move: Down

State ID: 10
Parent State ID: 7
Depth: 5
Move: Right

State ID: 7
Parent State ID: 6
Depth: 4
Move: Down

State ID: 6
Parent State ID: 3
Depth: 3
Move: Left

State ID: 3
Parent State ID: 2
Depth: 2
Move: Up

State ID: 2
Parent State ID: 1
Depth: 1
Move: Up

State ID: 1

Parent State ID: None

Depth: 0

Move: None
