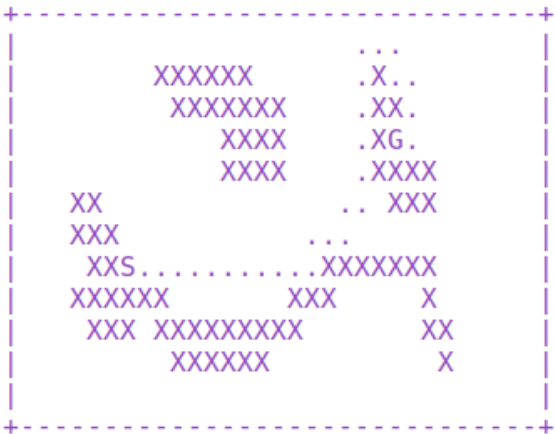


COMP316 ASSIGNMENT 2 REPORT

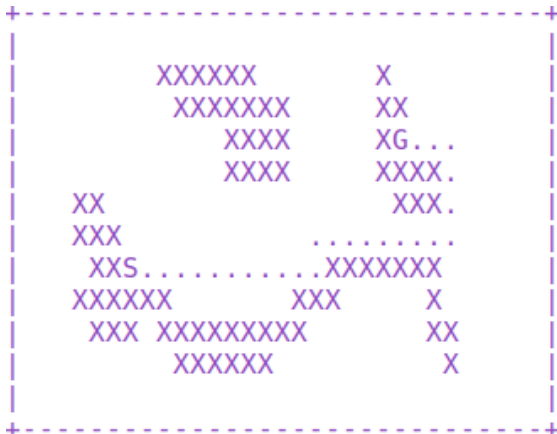
As expected A* has lower cost but usually a much higher expansion rate.
This can be seen in almost all of the following pictures of my states after running these algorithms.

Best first search:



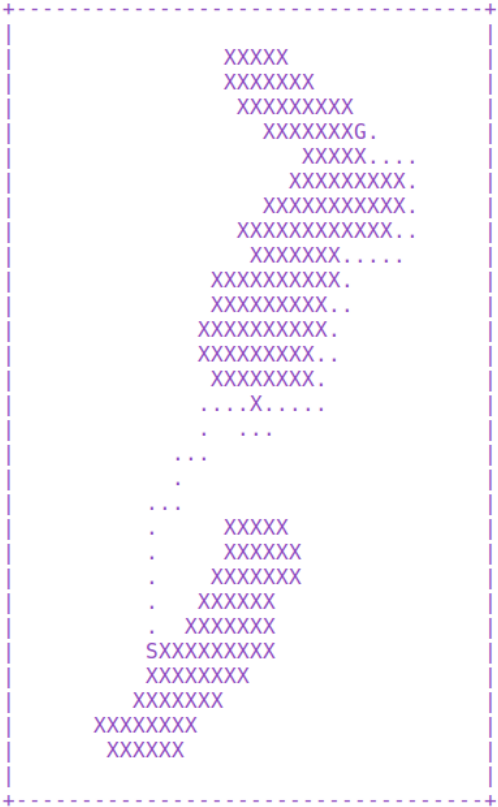
Expansions: 35
Cost: 28

A* search:



Expansions: 128
Cost: 26

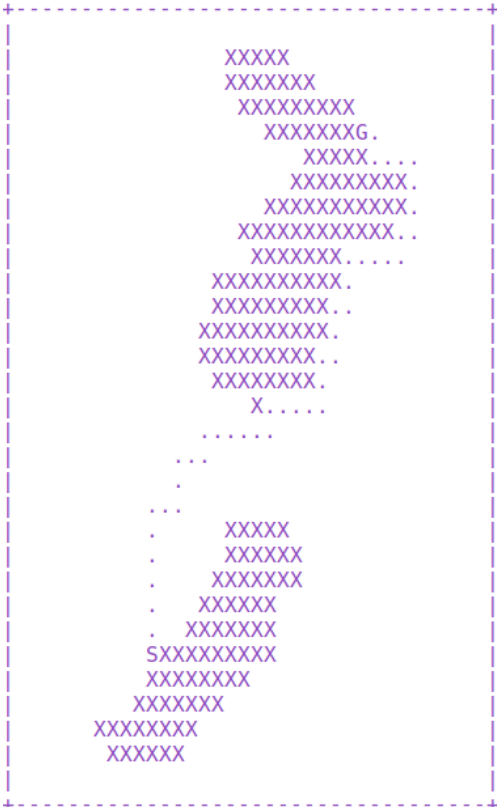
Map 2 with best first:



Expansions: 47

Cost: 47

Map 2 with A*:



Expansions: 555

Cost: 45

A surprising factor with this map is that with A* it took a lot more expansions, this is because of all of the empty space and the size of the map.

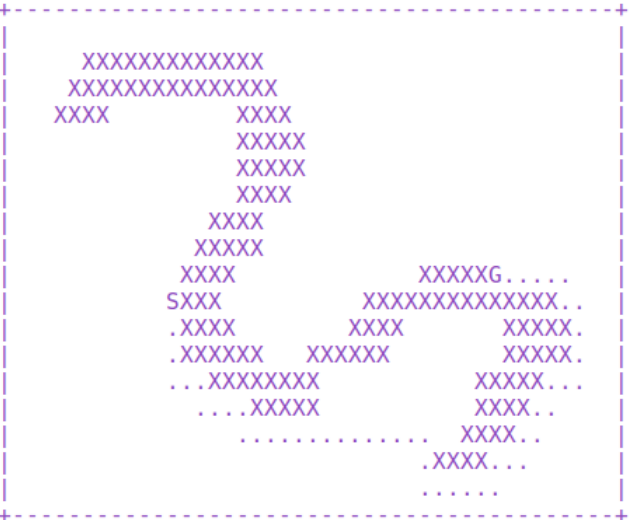
Map 3 with best first:



Expansions: 106

Cost: 50

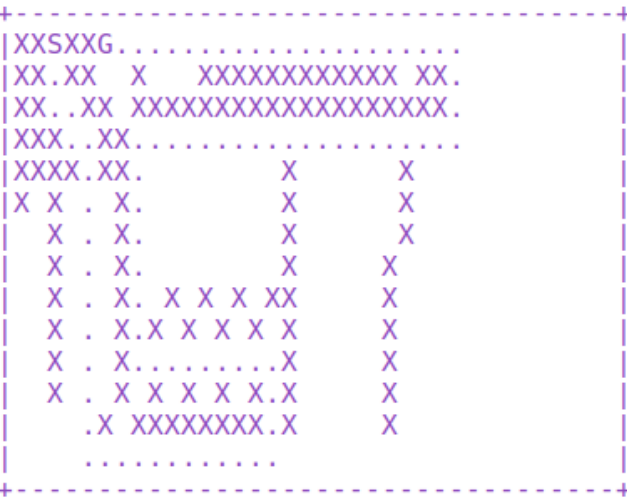
Map 3 with A*:



Expansions: 338

Cost: 50

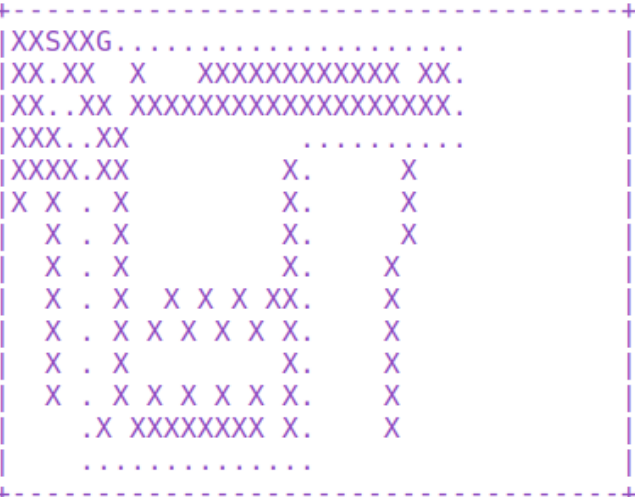
My map with best first:



Expansions: 236

Cost: 87

My map with A*:



Expansions: 289

Cost: 71