Weekly reports are to be emailed to atbecker@uh.edu by 5:00pm on Tuesdays. The purpose of a weekly report is to: (1) give you text and images for your papers, thesis, and dissertation, (2) document progress, (3) identify if you are stuck or need resources.

Weekly report

1. **My *Goals* from last week**

* Implement BFS in mapping so that we have a cost based policy
* **My *Accomplishments* this week**
* The BFS search returns the correct frontier to expand to.
* We do this by having levels. Level 0 is when the first frontier is found. Then we expand from the current cells of interest based on the following pseudo code

Min\_cost = min(level\_zero\_frontiervalues)

Location= location(current)

If Min\_cost<=-2

Lowvalueflag=1

Else

Level=Level+1

If min\_cost<=min\_cost-2

Location= location(current)

Else

Level=Level+1

End

End

* Only error currently is the storing of the paths. Since it is a look forward method, the paths need to be stored separately for each level of expansion and linked sequentially for correct path. We are working on that.

1. **My *Goals* for next week**

* Finish the cost based policy and start working on continuous space.

1. **What I need Dr. Becker to do:**
   1. Meeting request on Wednesday for updates.