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**

* Big task for the week:
  + Automatically build a factory for a 4-piece part that was built using only down moves.  We want to run this factory (so you may need to grab code from other files that allow using the arrow keys)
* Depth first search when no sequence is found, should return the largest part found, and the generateing sequence.  Why: later we will decompose parts, and we’d like to start with the largest component that can be built
* <https://en.wikipedia.org/wiki/Big_O_notation>  What is the big O bound for FindBuildPath
* Fill in the TODO’s in the code
* Make a code that changes images into partXY files?

1. **My *Accomplishments* this week**
   1. All the codes have been uploaded to github.
   2. I’ve read about the depth first search complexity in terms of space and time
   3. Code that changes images into partXY files is partially complete but I tested the code for the part emailed to me:

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0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0];

And it returned

FoundPath = ‘false’



1. **My *Goals* for next week**
   1. Meeting with Dr. Becker on <4th November 2016 at 9:00 am>
   2. The code doesn’t return the longest path found so I’ll modify it
2. **What I need Dr. Becker to do:**
   1. ----