CS401 Optimization Week 6 report .
This week I completed the first version of the data flow analysis pass for MIL.
For the data flow analysis, the first step is to compute the in set of each block
by using the meets of the outsets of the blocks that call it. After all of the in
sets are computed, dataflow is called on each block, computing the gen and kill
set for each tail, adding the outset at a block call to the list of incoming outsets
for that block, to be used at the next pass of the data flow algorithm. Once the
dataflow pass has been completed, the outsets are set to their new values, as
the old outsets were used for the complete path. This loop continues until no
changes to an outset. The next step will be to take the results of the algorithm
done by hand, and compare with the results of the MIL code, and correct/add
to any areas where they do not match.