Final Project Design

Network
* set like System of SSSQs?
Reads file, creates based on first int
edges are pointers to Computers
Might create graph
for easier implementation
of Matrix

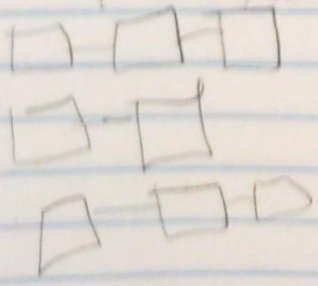
Computer
node's id
FIFO Queue<Messages>
Pointer to edges
Delay Task for message processing
call dijkstras and implant
as a vector in variables?
or have as function to create path
Pointers act as directed Edge

FIFO Queue
copy FIFO
statistics
- average size
- maximum size
- average in queue

Message
Entity
id
Computer src
Computer dst
Time creation time
Time deletion Time
int stops
int total wait time

Edge
Need edge statistics or functions?

Adjacency? Requires Priority Queue



or

$$\begin{Bmatrix} 0 & 1 & 1 \\ 1 & 0 & \infty \\ 1 & 1 & 0 \end{Bmatrix}$$

1) Shortest Path
- look up algorithm
- all weights one?

2) Dynamic
- call after each Process Message
- edge weight is QueueSize

Adjacency Matrix? more memory easier execute