Home work 5b
CS 594 Spring 2006 Clusters Part 1
Workloads made easy
What to do

What you will get

You will be supplied with the clients
The basic servers
2 basic sequential brokers, one for HT and one for HA workloads
All will be MPI codes

This is possible
But in an
Unreliable situation
Adds complexity

What you will get

You will take the broker codes and make them run better for both the HA and HT workloads
You will then measure their performance using the built-in Stats functions (I have already done the hard work)
(Stats are printed for the clients and servers)
You can do whatever you want to the broker codes
(broker.h, broker_ha_yours.c and broker_ht_yours.c)
You should not change any other codes.
Test with mpirun -np 9 main {0,1,2,3} 100 1
and mpirun -np 9 main {0,1,2,3} 100 10
(Note you need to use the head node as rank 0, +your 8 other nodes)
Email in (md5sum and dist tarball (inc writeup.txt)) by 1st March.