

# CS633 - Assignment 2 Bonus

Group 42

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## 1 Plot and Observation

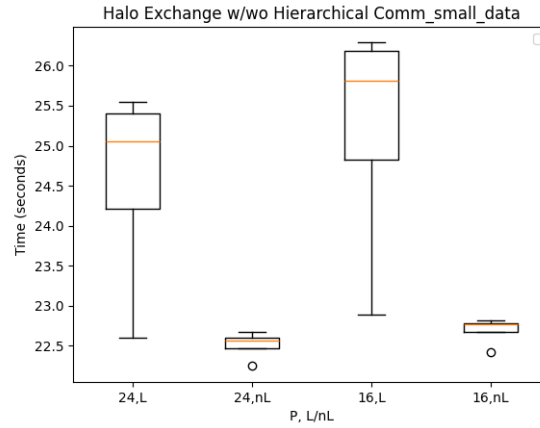


Figure 1: Time Plot

Based on the run on HPC2010, the following are our observations:

1. Time for 16 and 24 processes is similar but that of 16 is greater in both the leader and non-leader case.
2. For both 16 and 24 number of processes time consumed in case of Leader is greater than that of non-leader case. This is similar observation as we did in the assignment-2 which is because of the overhead caused by assigning leaders and then communicating through them has overshadowed the benefit that we are getting out of less inter-node communication involving one process (leader) per node