

CS6423: Assignment 1

MapReduce

1. Given a large list L of integers,
 - a. define MapReduce pseudocode to compute the maximum of L .
 - b. What is the complexity of this algorithm?
2. Given large sparse $n \times m$ and $m \times n$ matrices A and B ,
 - a. define MapReduce code to compute $A*B$
 - b. What is the complexity of this algorithm?
 - c. Does $A*B = B*A$?