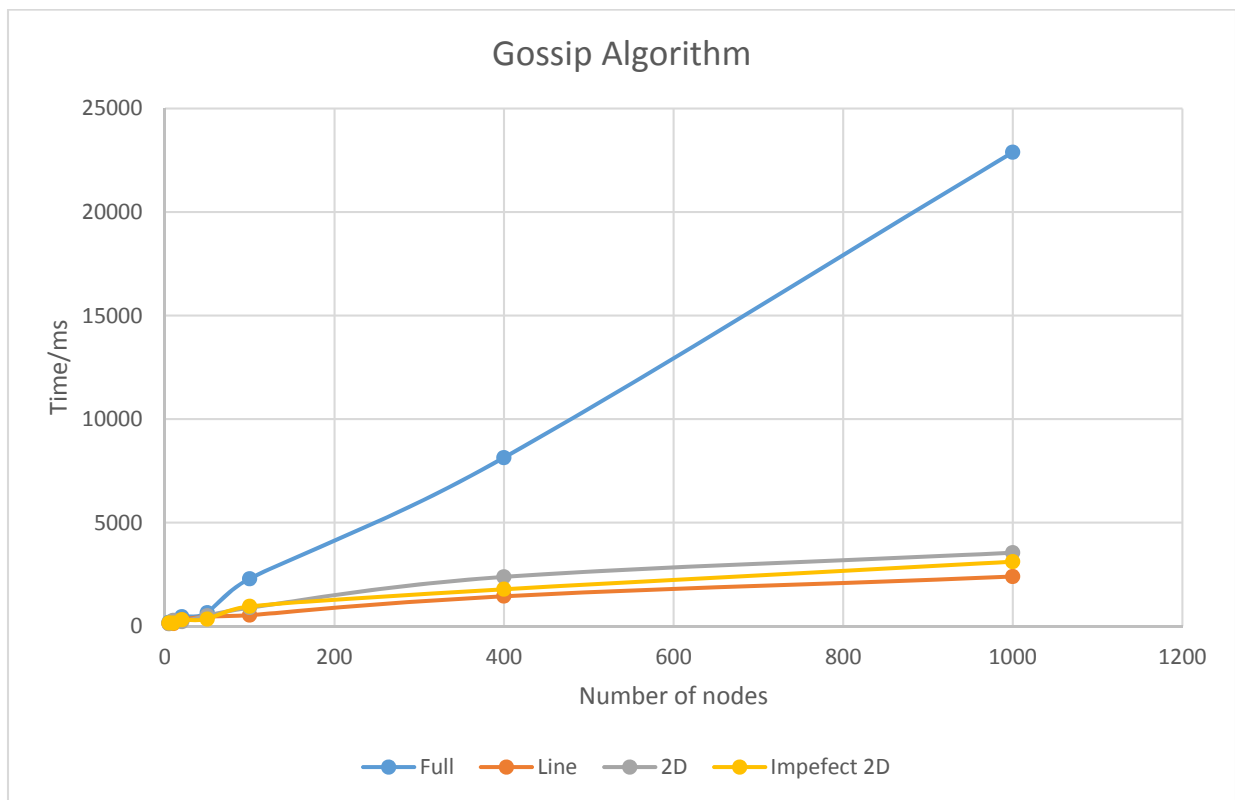# Project 2 Report

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How to compile and run:

1. cd to the files direction;
2. Type **sbt** commend;
3. Then type **compile**
4. After finishing compile, type **run numNodes topology algorithm** (topology: full, line, 2D, imp2D algorithm: gossip, pushsum)

We can see from the table that for Gossip Algorithm, running time of the Full network topology to converge increases rapidly with the network expanding, and running time of others topologies to converge increases much slower with the network expanding; while for Pushsum Algorithm, running time of Line topology to converge increases rapidly with the network expanding, and running time of others topologies to converge increases much slower with the network expanding.

Pushsum Algorithm