

1. Largest network I managed to deal with:

	full	2d	imperfect2d	line
gossip	10000	50000	50000	50000
pushsum	10000	160000	900	1000

2. About my program

To run the program, there are some arguments to provide.

1. network size
2. maxGossipToHear: control the maximum gossip an actor can hear before it shutdown itself
3. maxSameResultTocalculate: In pushsum algorithm, an actor shutdown itself if it got the same ratio for maxSameResultTocalculate times.
4. network topology(full, 2d, imperfect2d, line)
5. algorithm(pushsum, gossip)
6. the interval an actor waits before it sends out a message(usually set to be 5000 microseconds).
7. the strategy used in push sum algorithm to deal with the situation that a minority of actors cant shutdown. It will be explained in the report.pdf
8. set to decide whether to see the log(if not provided, the default value is false)

For example: “java -jar gossip.jar 10000 10 3 full gossip 5000 nonstop true” set 10000 actors to form a full network using pushsum algorithm.