

1. Please mention group members names and UFID.

Name: Smrati Pandey

UFID: ****_****

Sachit Verma

UFID: ****_****

Download the file and unzip it

Run the command: mix run proj2.exs 100 full gossip

Topologies: full | line | torus | honeycomb | randHoneycomb | rand2D

Algorithm: gossip | push-sum

2. What is working?

All the topologies are successfully implemented and supported by the Gossip and Push-Sum Algorithm.

3. What is the largest network you managed to deal with for each type of topology and algorithm?

Topology	Gossip	Push Sum
Full Network	500 (10578 ms)	250 (25047 ms)
Line	50 (750 ms)	200 (579235 ms ~ 10 min)
Random 2D Grid	500 (13656 ms)	400 (218938 ms ~ 3.5 min)
3D Torus Grid	2000 (3516 ms)	1500 (679360 ms ~ 11 min)
Honeycomb	3000 (4000 ms)	500 (671453 ms ~ 11 min)
Random Honeycomb	2500 (5500 ms)	2200 (548359 ms ~ 9 min)