COP5615 – Fall 2019

Project 2

Group Members

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Code Running Instructions

The folder needs to be unzipped and then the command should get

```
$ dotnet fsi --langversion:preview Project2.fsx 10 line gossip
```

Input Format:

Argument	Value	Possible Values
arg1	Number of Nodes	any positive integer
arg2	Topology	full, line, 2D, imp2D
arg3	algorithm	gossip, push-sum

Format of Output:
Input : dotnet fsi --langversion:preview Project2.fsx 10 line gossip

Real: 00:00:00.000, CPU: 00:00:00.000, GC gen0: 0, gen1: 0, gen2: 0

Starting Protocol Gossip

Time for convergence: 1 ms

What is working?

We have implemented Line, 2D, Imperfect 2D and Full topologies in gossip and push-sum.

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

Topology	Gossip	Push Sum
line	100000	10000
2D	100000	1000
imp2D	100000	50000
full	100000	500000