No Of Nodes	Topology/Algo	Output
100	Line/Push-Sum	round counter::24 avg value49.15524685982243 ================================== Time taken for execution :: 23054 ms
500	Line/Push-Sum	round counter::28 avg value263.6058894836423 ================================== Time taken for execution :: 27136 ms
1000	Line/Push-Sum	round counter::21 avg value499.1310148477811 ================================== Time taken for execution :: 20306 ms
1500	Line/Push-Sum	round counter::38 avg value756.6479827064486 Time taken for execution :: 37235 ms
2000	Line/Push-Sum	round counter::7 avg value1000.5 ================================== Time taken for execution :: 6276 ms
2500	Line/Push-Sum	round counter::32 avg value1257.0416153713772 ================================== Time taken for execution :: 31298 ms
3000	Line/Push-Sum	round counter::9 avg value1498.75 ================================== Time taken for execution :: 8334 ms
3500	Line/Push-Sum	round counter::19 avg value1748.8492007104796 ================================== Time taken for execution :: 18524 ms
4000	Line/Push-Sum	round counter::24 avg value2001.655902215964 ================================== Time taken for execution :: 23471 ms
4500	Line/Push-Sum	round counter::29 avg value2242.567289957917 ================================== Time taken for execution :: 28552 ms
5000	Line/Push-Sum	round counter::35 avg value2503.495024979641 ================================== Time taken for execution :: 35523 ms
5500	Line/Push-Sum	round counter::21 avg value2748.489915466104 ================================== Time taken for execution :: 20590 ms

No Of Nodes	Topology/Algo	Output
100	Full/Push-Sum	round counter::65 avg value49.49999999999987 ================================== Time taken for execution :: 64030 ms
500	Full/Push-Sum	round counter::67 avg value249.499999999656 ================================== Time taken for execution :: 66095 ms
1000	Full/Push-Sum	round counter::69 avg value499.49999999949864 ================================== Time taken for execution :: 69049 ms
1500	Full/Push-Sum	round counter::68 avg value749.5000000051118 ================================== Time taken for execution :: 68108 ms
2000	Full/Push-Sum	round counter::71 avg value999.4999999990781 ================================== Time taken for execution :: 72223 ms
2500	Full/Push-Sum	round counter::79 avg value1249.49999999996 ================================== Time taken for execution :: 78761 ms
3000	Full/Push-Sum	round counter::77 avg value1499.5000000016262 ================================== Time taken for execution :: 81477 ms
3500	Full/Push-Sum	
4000	Full/Push-Sum	
4500	Full/Push-Sum	
5000	Full/Push-Sum	
5500	Full/Push-Sum	

No Of Nodes	Topology/Algo	Output
100	imp2D/Push-Sum	round counter::90 avg value49.47964514227149 ================================== Time taken for execution :: 89038 ms
500	imp2D/Push-Sum	round counter::23 ================================== avg value267.67776754616256 Time taken for execution :: 22061 ms
1000	imp2D/Push-Sum	round counter::17 ================================== avg value487.3542893030743 Time taken for execution :: 16164 ms

No Of Nodes	Topology/Algo	Output
1500	imp2D/Push-Sum	round counter::19 avg value337.0855738750317 ==================================== Time taken for execution :: 18060 ms
2000	imp2D/Push-Sum	round counter::26 avg value518.3642906281325 ==================================== Time taken for execution :: 25024 ms
2500	imp2D/Push-Sum	round counter::25 ====================================== avg value2089.5341935492856 Time taken for execution :: 24638 ms
3000	imp2D/Push-Sum	round counter::24 avg value1401.7243003678298 ====================================== Time taken for execution :: 23325 ms
3500	imp2D/Push-Sum	round counter::48 avg value1781.5641226446648 ==================================== Time taken for execution :: 47835 ms
4000	imp2D/Push-Sum	
4500	imp2D/Push-Sum	
5000	imp2D/Push-Sum	
5500	imp2D/Push-Sum	
No Of Nodes	Topology/Algo	Output
100	2D/Push-sum	round counter::74 avg value42.21395115134282 ==================================== Time taken for execution :: 73035 ms
500	2D/Push-sum	round counter::11 ==================================== avg value361.6363636363636 Time taken for execution :: 10088 ms
1000	2D/Push-sum	round counter::41 avg value457.19018164356066 ==================================== Time taken for execution :: 40122 ms
1500	2D/Push-sum	round counter::54 Time taken for execution :: 53139 ms avg value542.877711867675
2000	2D/Push-sum	round counter::54 avg value1213.139737940132 ==================================== Time taken for execution :: 53275 ms
2500	2D/Push-sum	round counter::49 avg value1031.8543181106072 ==================================== Time taken for execution :: 49199 ms
3000	2D/Push-sum	round counter::60 avg value2934.107731801369 ====================================

		Time taken for execution :: 59556 ms
3500	2D/Push-sum	
4000	2D/Push-sum	
4500	2D/Push-sum	
5000	2D/Push-sum	

No Of Nodes	Topology/Algo	Output
100	Line/ Gossip	Round counter::79 ==================================== Time taken for execution :: 78014 ms
500	Line/ Gossip	Round counter::466 ====================================== Time taken for execution :: 466010 ms
1000	Line/ Gossip	Round counter::897 ==================================== Time taken for execution :: 895701 ms
1500	Line/ Gossip	Round counter::1364 == Time taken for execution :: 1364048 ms
2000	Line/ Gossip	1883713 ms
2500	Line/ Gossip	
3000	Line/ Gossip	
3500	Line/ Gossip	
4000	Line/ Gossip	
4500	Line/ Gossip	
5000	Line/ Gossip	
5500	Line/ Gossip	

No Of Nodes	Topology/Algo	Output
100	Full /Gossip	Round counter::9 ================================== Time taken for execution :: 8960 ms
500	Full /Gossip	Round counter::15 ==================================== Time taken for execution :: 13973 ms
1000	Full /Gossip	Round counter::18 ==================================== Time taken for execution :: 17855 ms
1500	Full /Gossip	Round counter::18 ====================================== Time taken for execution :: 14866 ms
2000	Full /Gossip	Round counter::15 ====================================== Time taken for execution :: 13750 ms
2500	Full /Gossip	Round counter::25 ================================== Time taken for execution :: 18745 ms

3000	Full /Gossip	Round counter::40
		==================================
		Time taken for execution :: 19990 ms
3500	Full /Gossip	java.lang.OutOfMemoryError: GC overhead limit exceeded
4000	Full /Gossip	
4500	Full /Gossip	
5000	Full /Gossip	
5500	Full /Gossip	

No Of Nodes	Topology/Algo	Output
100	2D /Gossip	Round counter::25
		==================================
		Time taken for execution :: 23972 ms
500	2D /Gossip	Round counter::48
		====================================
		Time taken for execution :: 47940 ms
1000	2D /Gossip	Round counter::57
		==================================
		Time taken for execution :: 55874 ms
1500	2D /Gossip	Round counter::93
		======================================
		Time taken for execution :: 91784 ms
2000	2D /Gossip	Round counter::102
		=====================================
		Time taken for execution :: 100743 ms
2500	2D /Gossip	Round counter::110
		=======================================
		Time taken for execution :: 108587 ms
3000	2D /Gossip	Round counter::128
		=================================
		======
		Time taken for execution :: 126537 ms
3500	2D /Gossip	Round counter::93
		======================================
		Time taken for execution :: 91266 ms
4000	2D /Gossip	Round counter::99
		======================================
		Time taken for execution :: 97332 ms
4500	2D /Gossip	Round counter::111
		======================================
		Time taken for execution :: 108994 ms
5000	2D /Gossip	Round counter::157
		===
		Time taken for execution :: 156215 ms
5500	2D /Gossip	Round counter::158
		===

		Time taken for execution :: 155989 ms

No Of Nodes	Topology/Algo	Output
100	imp2D/ Gossip	Round counter::14 =================================== Time taken for execution :: 13971 ms
500	imp2D/ Gossip	Round counter::19 =================================== Time taken for execution :: 17951 ms
1000	imp2D/ Gossip	Round counter::22 =================================== Time taken for execution :: 20845 ms
1500	imp2D/ Gossip	Round counter::24 =================================== Time taken for execution :: 23765 ms
2000	imp2D/ Gossip	Round counter::24 =================================== Time taken for execution :: 22907 ms
2500	imp2D/ Gossip	Round counter::27 ====================================== Time taken for execution :: 25531 ms
3000	imp2D/ Gossip	Round counter::24 == Time taken for execution :: 22976 ms
3500	imp2D/ Gossip	Round counter::23 ====================================== Time taken for execution :: 22985 ms
4000	imp2D/ Gossip	Round counter::25 =================================== Time taken for execution :: 24200 ms
4500	imp2D/ Gossip	Round counter::34 ====================================== Time taken for execution :: 32252 ms
5000	imp2D/ Gossip	Round counter::27 ==================================== Time taken for execution :: 26775 ms
5500	imp2D/ Gossip	Round counter::31 === Time taken for execution :: 29003 ms