

All to all broadcast				
dataset	serial time	parallel 4 core	parallel 8 core	parallel 16 core
data1	4.84500	1.85054	1.38429	1.76254
eu.dat	7.30354	2.27750	1.87905	2.31229
flickr	2.34200	1.69664	1.39450	1.37391
dataset	serial time	speedups	speedups	speedups
data1	4.84500	2.61816	3.50000	2.74888
eu.dat	7.30354	3.20683	3.88683	3.15858
flickr	2.34200	1.38037	1.67946	1.70462
Efficient				
dataset	serial time	parallel 4 core	parallel 8 core	parallel 16 core
data1	4.84500	1.67299	1.05785	0.88352
eu.dat	7.30354	2.13717	1.40042	1.22348
flickr	2.34200	1.68695	1.29409	1.05589
dataset	serial time	speedups	speedups	speedups
data1	4.84500	2.89602	4.58006	5.48373
eu.dat	7.30354	3.41740	5.21525	5.96946
flickr	2.34200	1.38831	1.80976	2.21804