For Size -> 10 and number of threads -> 2

Parallel Time : 0.0000557504

Serial Time : 0.0000012289

Speed Up = 0.0220425482

----------------------------------

For Size -> 100 and number of threads -> 2

Parallel Time : 0.0000621583

Serial Time : 0.0000088490

Speed Up = 0.1423616314

----------------------------------

For Size -> 1000 and number of threads -> 2

Parallel Time : 0.0001677079

Serial Time : 0.0001717550

Speed Up = 1.0241316118

----------------------------------

For Size -> 10000 and number of threads -> 2

Parallel Time : 0.0032023150

Serial Time : 0.0022378792

Speed Up = 0.6988317006

----------------------------------

For Size -> 100000 and number of threads -> 2

Parallel Time : 0.0423257193

Serial Time : 0.0243738638

Speed Up = 0.5758641377

----------------------------------

For Size -> 1000000 and number of threads -> 2

Parallel Time : 0.1763225058

Serial Time : 0.2670252617

Speed Up = 1.5144139452

----------------------------------

For Size -> 10000000 and number of threads -> 2

Parallel Time : 1.9099173970

Serial Time : 2.9185593748

Speed Up = 1.5281076446

----------------------------------

For Size -> 100000000 and number of threads -> 2

Parallel Time : 18.3949307809

Serial Time : 30.7084843433

Speed Up = 1.6693992877

----------------------------------

For Size -> 10 and number of threads -> 4

Parallel Time : 0.0001076129

Serial Time : 0.0000012689

Speed Up = 0.0117915854

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For Size -> 100 and number of threads -> 4

Parallel Time : 0.0001192880

Serial Time : 0.0000091842

Speed Up = 0.0769921419

----------------------------------

For Size -> 1000 and number of threads -> 4

Parallel Time : 0.0002569663

Serial Time : 0.0001780000

Speed Up = 0.6926975831

----------------------------------

For Size -> 10000 and number of threads -> 4

Parallel Time : 0.0009751320

Serial Time : 0.0021866672

Speed Up = 2.2424319988

----------------------------------

For Size -> 100000 and number of threads -> 4

Parallel Time : 0.0652086679

Serial Time : 0.0248344638

Speed Up = 0.3808460538

----------------------------------

For Size -> 1000000 and number of threads -> 4

Parallel Time : 0.0932981698

Serial Time : 0.2696917658

Speed Up = 2.8906436900

----------------------------------

For Size -> 10000000 and number of threads -> 4

Parallel Time : 4.6008865251

Serial Time : 2.9199871630

Speed Up = 0.6346575050

----------------------------------

For Size -> 100000000 and number of threads -> 4

Parallel Time : 10.5854409593

Serial Time : 31.1288970863

Speed Up = 2.9407274771

----------------------------------

For Size -> 10 and number of threads -> 8

Parallel Time : 0.0001770142

Serial Time : 0.0000012559

Speed Up = 0.0070948479

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For Size -> 100 and number of threads -> 8

Parallel Time : 0.0001779753

Serial Time : 0.0000095419

Speed Up = 0.0536134317

----------------------------------

For Size -> 1000 and number of threads -> 8

Parallel Time : 0.0010222401

Serial Time : 0.0001869039

Speed Up = 0.1828375342

----------------------------------

For Size -> 10000 and number of threads -> 8

Parallel Time : 0.0008664229

Serial Time : 0.0023283781

Speed Up = 2.6873460534

----------------------------------

For Size -> 100000 and number of threads -> 8

Parallel Time : 0.0322220610

Serial Time : 0.0248224689

Speed Up = 0.7703563377

----------------------------------

For Size -> 1000000 and number of threads -> 8

Parallel Time : 0.4045153707

Serial Time : 0.2675272659

Speed Up = 0.6613525352

----------------------------------

For Size -> 10000000 and number of threads -> 8

Parallel Time : 0.5538647790

Serial Time : 2.9180874298

Speed Up = 5.2685917948

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For Size -> 100000000 and number of threads -> 8

Parallel Time : 5.7470744271

Serial Time : 30.6399677652

Speed Up = 5.3314026387

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For Size -> 10 and number of threads -> 12

Parallel Time : 0.0191060239

Serial Time : 0.0000012829

Speed Up = 0.0000671462

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For Size -> 100 and number of threads -> 12

Parallel Time : 0.0301989219

Serial Time : 0.0000100737

Speed Up = 0.0003335765

----------------------------------

For Size -> 1000 and number of threads -> 12

Parallel Time : 0.0682476438

Serial Time : 0.0001915079

Speed Up = 0.0028060729

----------------------------------

For Size -> 10000 and number of threads -> 12

Parallel Time : 0.0894235857

Serial Time : 0.0024462999

Speed Up = 0.0273563162

----------------------------------

For Size -> 100000 and number of threads -> 12

Parallel Time : 0.1171967508

Serial Time : 0.0296630030

Speed Up = 0.2531043125

----------------------------------

For Size -> 1000000 and number of threads -> 12

Parallel Time : 0.1865550512

Serial Time : 0.2949153129

Speed Up = 1.5808487143

----------------------------------

For Size -> 10000000 and number of threads -> 12

Parallel Time : 0.8386348011

Serial Time : 2.9204606838

Speed Up = 3.4823986316

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For Size -> 100000000 and number of threads -> 12

Parallel Time : 6.0885630250

Serial Time : 31.5751183168

Speed Up = 5.1859721559

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