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

Parallel Time : 0.0000883010

Serial Time : 0.0000020531

Speed Up = 0.0232511536

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

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

Parallel Time : 0.0000983588

Serial Time : 0.0000152700

Speed Up = 0.1552475098

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

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

Parallel Time : 0.0003586523

Serial Time : 0.0002975529

Speed Up = 0.8296416515

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

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

Parallel Time : 0.0086871153

Serial Time : 0.0034566671

Speed Up = 0.3979073555

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

Parallel Time : 0.0275025000

Serial Time : 0.0375416600

Speed Up = 1.3650271805

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

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

Parallel Time : 0.2167609110

Serial Time : 0.3378055012

Speed Up = 1.5584244389

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

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

Parallel Time : 4.9547198010

Serial Time : 2.9114700523

Speed Up = 0.5876154796

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

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

Parallel Time : 18.7902888907

Serial Time : 30.6728940117

Speed Up = 1.6323801188

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

Parallel Time : 0.0001037922

Serial Time : 0.0000012331

Speed Up = 0.0118801931

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

Parallel Time : 0.0001195502

Serial Time : 0.0000095060

Speed Up = 0.0795148248

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

Parallel Time : 0.0002679899

Serial Time : 0.0001846817

Speed Up = 0.6891368262

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

Parallel Time : 0.0012520831

Serial Time : 0.0022937460

Speed Up = 1.8319438804

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

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

Parallel Time : 0.0094200652

Serial Time : 0.0250150128

Speed Up = 2.6555031490

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

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

Parallel Time : 0.6631216067

Serial Time : 0.2665743083

Speed Up = 0.4019991289

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

Parallel Time : 1.0049246722

Serial Time : 3.1813196419

Speed Up = 3.1657294620

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

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

Parallel Time : 10.6279501859

Serial Time : 30.5550307119

Speed Up = 2.8749693193

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

Parallel Time : 0.0001912047

Serial Time : 0.0000012866

Speed Up = 0.0067290293

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

Parallel Time : 0.0002027368

Serial Time : 0.0000096532

Speed Up = 0.0476142351

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

Parallel Time : 0.0004241387

Serial Time : 0.0001960588

Speed Up = 0.4622515044

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

Parallel Time : 0.0025111767

Serial Time : 0.0023350087

Speed Up = 0.9298464168

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

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

Parallel Time : 0.0094725648

Serial Time : 0.0248861243

Speed Up = 2.6271791054

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

Parallel Time : 0.0670130891

Serial Time : 0.2659890507

Speed Up = 3.9692104093

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

Parallel Time : 0.5561872544

Serial Time : 2.9018198382

Speed Up = 5.2173432875

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

Parallel Time : 25.5601079101

Serial Time : 30.5824536970

Speed Up = 1.1964915721

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

Parallel Time : 0.0002410631

Serial Time : 0.0000012899

Speed Up = 0.0053508062

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

Parallel Time : 0.0002344972

Serial Time : 0.0000099828

Speed Up = 0.0425712748

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

Parallel Time : 0.0004170253

Serial Time : 0.0001918669

Speed Up = 0.4600845286

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

Parallel Time : 0.0011217543

Serial Time : 0.0023816861

Speed Up = 2.1231798598

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

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

Parallel Time : 0.0082933530

Serial Time : 0.0324749323

Speed Up = 3.9157783562

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

Parallel Time : 0.1675332109

Serial Time : 0.2660985589

Speed Up = 1.5883331872

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

Parallel Time : 1.6817080076

Serial Time : 3.3067534710

Speed Up = 1.9663065503

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

Parallel Time : 20.4462285629

Serial Time : 31.1895466032

Speed Up = 1.5254425288

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