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

Parallel Time : 0.0001039747

Serial Time : 0.0000017630

Speed Up = 0.0169559843

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

Parallel Time : 0.0001306469

Serial Time : 0.0000123940

Speed Up = 0.0948667318

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

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

Parallel Time : 0.0004338180

Serial Time : 0.0002426747

Speed Up = 0.5593929694

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

Parallel Time : 0.0128313969

Serial Time : 0.0029069143

Speed Up = 0.2265469894

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

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

Parallel Time : 0.0296773021

Serial Time : 0.0324847810

Speed Up = 1.0946002058

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

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

Parallel Time : 0.7490906478

Serial Time : 0.2660530549

Speed Up = 0.3551680370

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

Parallel Time : 1.7356788181

Serial Time : 2.8985223272

Speed Up = 1.6699646830

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

Parallel Time : 55.5898048189

Serial Time : 30.8511943868

Speed Up = 0.5549793615

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

Parallel Time : 0.0001102528

Serial Time : 0.0000011940

Speed Up = 0.0108292576

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

Parallel Time : 0.0001004129

Serial Time : 0.0000088941

Speed Up = 0.0885756023

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

Parallel Time : 0.0002780431

Serial Time : 0.0002094572

Speed Up = 0.7533265337

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

Parallel Time : 0.0012062793

Serial Time : 0.0022047008

Speed Up = 1.8276869211

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

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

Parallel Time : 0.0090852492

Serial Time : 0.0247439942

Speed Up = 2.7235350190

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

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

Parallel Time : 0.0896532238

Serial Time : 0.2670166329

Speed Up = 2.9783271785

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

Parallel Time : 1.0350172096

Serial Time : 2.8990460271

Speed Up = 2.8009640808

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

Parallel Time : 9.5788622820

Serial Time : 30.6388256056

Speed Up = 3.1985871290

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

Parallel Time : 0.0002008439

Serial Time : 0.0000022678

Speed Up = 0.0112912089

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

Parallel Time : 0.0002001310

Serial Time : 0.0000174679

Speed Up = 0.0872822713

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

Parallel Time : 0.0004962012

Serial Time : 0.0003321734

Speed Up = 0.6694329119

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

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

Parallel Time : 0.0028084321

Serial Time : 0.0022337832

Speed Up = 0.7953844613

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

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

Parallel Time : 0.0100282738

Serial Time : 0.0246715462

Speed Up = 2.4601987021

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

Parallel Time : 0.0658185030

Serial Time : 0.3546899529

Speed Up = 5.3889094490

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

Parallel Time : 3.3927080710

Serial Time : 2.9370742217

Speed Up = 0.8657020174

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

Parallel Time : 5.7533721402

Serial Time : 33.5823934791

Speed Up = 5.8369930991

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

Parallel Time : 0.0201080022

Serial Time : 0.0000014137

Speed Up = 0.0000703077

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

Parallel Time : 0.0301930499

Serial Time : 0.0000101891

Speed Up = 0.0003374662

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

Parallel Time : 0.0681469301

Serial Time : 0.0001918599

Speed Up = 0.0028153858

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

Parallel Time : 0.0882924129

Serial Time : 0.0024279002

Speed Up = 0.0274984014

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

Parallel Time : 0.1135651642

Serial Time : 0.0280109080

Speed Up = 0.2466505311

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

Parallel Time : 0.1898462498

Serial Time : 0.2989911069

Speed Up = 1.5749118420

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

Parallel Time : 1.7294139126

Serial Time : 3.1976773590

Speed Up = 1.8489948159

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

Parallel Time : 5.5794881671

Serial Time : 30.7607098068

Speed Up = 5.5131777120

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