For Size -> 2^4 and number of threads -> 4

Parallel Time : 0.0001219390

Serial Time : 0.0000025481

Speed Up = 0.0208965027

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

For Size -> 2^8 and number of threads -> 4

Parallel Time : 0.0002014418

Serial Time : 0.0000434071

Speed Up = 0.2154819888

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

For Size -> 2^12 and number of threads -> 4

Parallel Time : 0.0011717239

Serial Time : 0.0011066054

Speed Up = 0.9444250152

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

For Size -> 2^16 and number of threads -> 4

Parallel Time : 0.0156380758

Serial Time : 0.0210019760

Speed Up = 1.3430025723

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

For Size -> 2^18 and number of threads -> 4

Parallel Time : 0.0377114024

Serial Time : 0.0935872542

Speed Up = 2.4816699517

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

For Size -> 2^20 and number of threads -> 4

Parallel Time : 0.1251487727

Serial Time : 0.3486539149

Speed Up = 2.7859155729

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

For Size -> 2^22 and number of threads -> 4

Parallel Time : 0.4331836482

Serial Time : 1.2241162751

Speed Up = 2.8258598410

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

For Size -> 2^24 and number of threads -> 4

Parallel Time : 1.8916081451

Serial Time : 5.0162572870

Speed Up = 2.6518480056

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

For Size -> 2^4 and number of threads -> 6

Parallel Time : 0.0001298967

Serial Time : 0.0000017099

Speed Up = 0.0131636022

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

For Size -> 2^8 and number of threads -> 6

Parallel Time : 0.0002263691

Serial Time : 0.0000333982

Speed Up = 0.1475384881

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

For Size -> 2^12 and number of threads -> 6

Parallel Time : 0.0008987491

Serial Time : 0.0008271937

Speed Up = 0.9203833685

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

For Size -> 2^16 and number of threads -> 6

Parallel Time : 0.0111532230

Serial Time : 0.0158058940

Speed Up = 1.4171593317

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

For Size -> 2^18 and number of threads -> 6

Parallel Time : 0.0304251472

Serial Time : 0.0987980389

Speed Up = 3.2472493364

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

For Size -> 2^20 and number of threads -> 6

Parallel Time : 0.0836186060

Serial Time : 0.3717354028

Speed Up = 4.4456063159

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For Size -> 2^22 and number of threads -> 6

Parallel Time : 1.2929670429

Serial Time : 1.3415170731

Speed Up = 1.0375493177

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

For Size -> 2^24 and number of threads -> 6

Parallel Time : 1.2819650644

Serial Time : 5.1984499879

Speed Up = 4.0550636928

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For Size -> 2^4 and number of threads -> 8

Parallel Time : 0.0001538997

Serial Time : 0.0000017290

Speed Up = 0.0112345952

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For Size -> 2^8 and number of threads -> 8

Parallel Time : 0.0009497320

Serial Time : 0.0000309390

Speed Up = 0.0325765592

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For Size -> 2^12 and number of threads -> 8

Parallel Time : 0.0006640540

Serial Time : 0.0008949661

Speed Up = 1.3477309622

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

For Size -> 2^16 and number of threads -> 8

Parallel Time : 0.0288167261

Serial Time : 0.0157082118

Speed Up = 0.5451074413

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

For Size -> 2^18 and number of threads -> 8

Parallel Time : 0.0219744742

Serial Time : 0.0970503311

Speed Up = 4.4165029944

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

For Size -> 2^20 and number of threads -> 8

Parallel Time : 0.0809878451

Serial Time : 0.2789748521

Speed Up = 3.4446508828

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

For Size -> 2^22 and number of threads -> 8

Parallel Time : 0.2789753284

Serial Time : 1.2267696871

Speed Up = 4.3974128252

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For Size -> 2^24 and number of threads -> 8

Parallel Time : 1.0194713548

Serial Time : 5.0293164169

Speed Up = 4.9332591773

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For Size -> 2^4 and number of threads -> 10

Parallel Time : 0.0002138861

Serial Time : 0.0000018170

Speed Up = 0.0084952223

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

For Size -> 2^8 and number of threads -> 10

Parallel Time : 0.0002685171

Serial Time : 0.0000323132

Speed Up = 0.1203393475

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For Size -> 2^12 and number of threads -> 10

Parallel Time : 0.0007041441

Serial Time : 0.0008588471

Speed Up = 1.2197034927

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For Size -> 2^16 and number of threads -> 10

Parallel Time : 0.0065295100

Serial Time : 0.0158623639

Speed Up = 2.4293344837

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For Size -> 2^18 and number of threads -> 10

Parallel Time : 0.0206065360

Serial Time : 0.0990229966

Speed Up = 4.8054169240

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For Size -> 2^20 and number of threads -> 10

Parallel Time : 0.3800440161

Serial Time : 0.2792350911

Speed Up = 0.7347440803

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For Size -> 2^22 and number of threads -> 10

Parallel Time : 0.2161479252

Serial Time : 1.2240743469

Speed Up = 5.6631325311

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For Size -> 2^24 and number of threads -> 10

Parallel Time : 0.8735687151

Serial Time : 5.0105641261

Speed Up = 5.7357412642

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For Size -> 2^4 and number of threads -> 12

Parallel Time : 0.0002920884

Serial Time : 0.0000036377

Speed Up = 0.0124542650

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For Size -> 2^8 and number of threads -> 12

Parallel Time : 0.0003450280

Serial Time : 0.0000618640

Speed Up = 0.1793014838

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For Size -> 2^12 and number of threads -> 12

Parallel Time : 0.0010933462

Serial Time : 0.0016545593

Speed Up = 1.5132986618

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For Size -> 2^16 and number of threads -> 12

Parallel Time : 0.0064920043

Serial Time : 0.0296154269

Speed Up = 4.5618310920

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For Size -> 2^18 and number of threads -> 12

Parallel Time : 0.0192738920

Serial Time : 0.0702027380

Speed Up = 3.6423747670

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For Size -> 2^20 and number of threads -> 12

Parallel Time : 0.0535920043

Serial Time : 0.3720869771

Speed Up = 6.9429569140

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For Size -> 2^22 and number of threads -> 12

Parallel Time : 0.8125960603

Serial Time : 1.2236533351

Speed Up = 1.5058568394

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For Size -> 2^24 and number of threads -> 12

Parallel Time : 0.7050499800

Serial Time : 5.0154075390

Speed Up = 7.1135489419

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