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

Parallel Time : 0.0001622862

Serial Time : 0.0000027930

Speed Up = 0.0172105582

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

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

Parallel Time : 0.0002840110

Serial Time : 0.0000484837

Speed Up = 0.1707107126

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

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

Parallel Time : 0.0009931941

Serial Time : 0.0012920010

Speed Up = 1.3008545301

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

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

Parallel Time : 0.0114991660

Serial Time : 0.0238722488

Speed Up = 2.0759982751

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

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

Parallel Time : 0.1187908929

Serial Time : 0.0936531830

Speed Up = 0.7883868931

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

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

Parallel Time : 0.6776716029

Serial Time : 0.2808758020

Speed Up = 0.4144718486

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

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

Parallel Time : 0.3392482810

Serial Time : 1.2291352157

Speed Up = 3.6231140574

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

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

Parallel Time : 21.9224079722

Serial Time : 5.0544889187

Speed Up = 0.2305626702

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

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

Parallel Time : 0.0001779320

Serial Time : 0.0000017881

Speed Up = 0.0100495674

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

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

Parallel Time : 0.0003194553

Serial Time : 0.0000413214

Speed Up = 0.1293495135

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

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

Parallel Time : 0.0010241927

Serial Time : 0.0009509218

Speed Up = 0.9284598740

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

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

Parallel Time : 0.0607999698

Serial Time : 0.0157876723

Speed Up = 0.2596657909

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

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

Parallel Time : 0.0745950863

Serial Time : 0.0936220847

Speed Up = 1.2550703991

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

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

Parallel Time : 0.1371732699

Serial Time : 0.2808143720

Speed Up = 2.0471508207

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

Parallel Time : 0.2297978331

Serial Time : 1.2266721521

Speed Up = 5.3380492554

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

Parallel Time : 2.1744441399

Serial Time : 5.0543249836

Speed Up = 2.3244216261

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

Parallel Time : 0.0002407217

Serial Time : 0.0000020200

Speed Up = 0.0083915922

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

Parallel Time : 0.0003587701

Serial Time : 0.0000415188

Speed Up = 0.1157254239

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

Parallel Time : 0.0008584070

Serial Time : 0.0011110231

Speed Up = 1.2942847921

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

Parallel Time : 0.0130281481

Serial Time : 0.0212235278

Speed Up = 1.6290517799

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

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

Parallel Time : 1.3953233408

Serial Time : 0.0706301806

Speed Up = 0.0506192211

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

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

Parallel Time : 0.1522633573

Serial Time : 0.2807152648

Speed Up = 1.8436166772

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

Parallel Time : 1.0346538336

Serial Time : 1.2288947371

Speed Up = 1.1877351605

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

Parallel Time : 3.3661265681

Serial Time : 5.0481952988

Speed Up = 1.4997045407

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

Parallel Time : 0.0002475581

Serial Time : 0.0000019181

Speed Up = 0.0077479135

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

Parallel Time : 0.0006013638

Serial Time : 0.0000319900

Speed Up = 0.0531957482

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

Parallel Time : 0.0012402190

Serial Time : 0.0008611628

Speed Up = 0.6943634896

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

Parallel Time : 0.0131234638

Serial Time : 0.0160169639

Speed Up = 1.2204829507

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

Parallel Time : 0.0376825812

Serial Time : 0.0963114472

Speed Up = 2.5558611983

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

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

Parallel Time : 0.7908019908

Serial Time : 0.2810798301

Speed Up = 0.3554364220

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

Parallel Time : 1.0804404812

Serial Time : 1.2299803910

Speed Up = 1.1384064300

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

Parallel Time : 6.6500854539

Serial Time : 5.0576836728

Speed Up = 0.7605441626

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

Parallel Time : 0.0185662000

Serial Time : 0.0000019372

Speed Up = 0.0001043375

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

Parallel Time : 0.0417129542

Serial Time : 0.0000356920

Speed Up = 0.0008556576

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

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

Parallel Time : 0.0778675871

Serial Time : 0.0008935183

Speed Up = 0.0114748429

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

Parallel Time : 0.5124094686

Serial Time : 0.0191450422

Speed Up = 0.0373627798

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

Parallel Time : 0.1347377622

Serial Time : 0.0855326140

Speed Up = 0.6348080350

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

Parallel Time : 0.6234170026

Serial Time : 0.3296673000

Speed Up = 0.5288070402

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

Parallel Time : 0.5685262801

Serial Time : 1.2373079890

Speed Up = 2.1763426465

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

Parallel Time : 0.9237757330

Serial Time : 5.1064934907

Speed Up = 5.5278497891

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