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

Parallel Time : 0.0001755822

Serial Time : 0.0000024871

Speed Up = 0.0141648544

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

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

Parallel Time : 0.0002081529

Serial Time : 0.0000414234

Speed Up = 0.1990044854

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

Parallel Time : 0.0010621171

Serial Time : 0.0011066436

Speed Up = 1.0419224343

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

Parallel Time : 0.0439281818

Serial Time : 0.0206367061

Speed Up = 0.4697828438

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

Parallel Time : 0.0393641680

Serial Time : 0.0930354483

Speed Up = 2.3634552228

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

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

Parallel Time : 0.5998554942

Serial Time : 0.2790278601

Speed Up = 0.4651584637

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

Parallel Time : 0.4027556079

Serial Time : 1.2240383867

Speed Up = 3.0391591398

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

Parallel Time : 1.7375248070

Serial Time : 5.0346691860

Speed Up = 2.8976099597

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

Parallel Time : 0.0001297044

Serial Time : 0.0000018403

Speed Up = 0.0141883693

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

Parallel Time : 0.0002157311

Serial Time : 0.0000311281

Speed Up = 0.1442910212

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

Parallel Time : 0.0009178850

Serial Time : 0.0008648899

Speed Up = 0.9422639555

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

Parallel Time : 0.0084737148

Serial Time : 0.0160307451

Speed Up = 1.8918202309

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

Parallel Time : 0.0302167861

Serial Time : 0.0991014768

Speed Up = 3.2796829080

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

Parallel Time : 0.0883760280

Serial Time : 0.2791581228

Speed Up = 3.1587538970

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

Parallel Time : 0.3287226711

Serial Time : 1.2197562819

Speed Up = 3.7105937285

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

Parallel Time : 5.4646870308

Serial Time : 5.0240880232

Speed Up = 0.9193734234

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

Parallel Time : 0.0001744009

Serial Time : 0.0000018841

Speed Up = 0.0108030748

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

Parallel Time : 0.0002491991

Serial Time : 0.0000441209

Speed Up = 0.1770509632

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

Parallel Time : 0.0006764419

Serial Time : 0.0008989973

Speed Up = 1.3290088170

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

Parallel Time : 0.0063479599

Serial Time : 0.0159237580

Speed Up = 2.5084843612

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

Parallel Time : 0.1223237701

Serial Time : 0.0930513320

Speed Up = 0.7606970582

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

Parallel Time : 0.0711240829

Serial Time : 0.2790924879

Speed Up = 3.9240223074

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

Parallel Time : 0.2620707867

Serial Time : 1.2507012039

Speed Up = 4.7723793248

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

Parallel Time : 1.0168839232

Serial Time : 5.0234353398

Speed Up = 4.9400282817

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

Parallel Time : 0.0002575042

Serial Time : 0.0000034729

Speed Up = 0.0134867791

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

Parallel Time : 0.0003132233

Serial Time : 0.0000619879

Speed Up = 0.1979031937

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

Parallel Time : 0.0008368222

Serial Time : 0.0016594362

Speed Up = 1.9830211757

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

Parallel Time : 0.0057512061

Serial Time : 0.0295051630

Speed Up = 5.1302566081

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

Parallel Time : 0.0971173290

Serial Time : 0.0699919108

Speed Up = 0.7206943554

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

Parallel Time : 0.0512761208

Serial Time : 0.3658879730

Speed Up = 7.1356406670

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

Parallel Time : 0.2204182930

Serial Time : 1.2222903618

Speed Up = 5.5453217833

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

Parallel Time : 0.8350774101

Serial Time : 5.0931882169

Speed Up = 6.0990611832

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

Parallel Time : 0.0002295920

Serial Time : 0.0000019749

Speed Up = 0.0086016489

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

Parallel Time : 0.0002743639

Serial Time : 0.0000333539

Speed Up = 0.1215681815

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

Parallel Time : 0.0011293916

Serial Time : 0.0016581370

Speed Up = 1.4681683056

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

Parallel Time : 0.0139663261

Serial Time : 0.0289328652

Speed Up = 2.0716160400

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

Parallel Time : 0.0155879417

Serial Time : 0.0701026097

Speed Up = 4.4972332363

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

Parallel Time : 0.0618750229

Serial Time : 0.3719141320

Speed Up = 6.0107312178

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

Parallel Time : 0.1929003978

Serial Time : 1.2237815172

Speed Up = 6.3441109044

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

Parallel Time : 3.2838107054

Serial Time : 5.0498065511

Speed Up = 1.5377885646

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