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

Parallel Time : 0.0001593260

Serial Time : 0.0000027423

Speed Up = 0.0172117492

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

Parallel Time : 0.0001892471

Serial Time : 0.0000483207

Speed Up = 0.2553315043

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

Parallel Time : 0.0008383142

Serial Time : 0.0012880689

Speed Up = 1.5364990507

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

Parallel Time : 0.0127001042

Serial Time : 0.0236790380

Speed Up = 1.8644758937

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

Parallel Time : 0.1957515441

Serial Time : 0.0929646879

Speed Up = 0.4749116452

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

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

Parallel Time : 0.5418186239

Serial Time : 0.2792699570

Speed Up = 0.5154307081

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

Parallel Time : 0.3868393428

Serial Time : 1.2241492230

Speed Up = 3.1644899771

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

Parallel Time : 1.6095088311

Serial Time : 5.0244384469

Speed Up = 3.1217215774

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

Parallel Time : 0.0001344513

Serial Time : 0.0000017281

Speed Up = 0.0128527493

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

Parallel Time : 0.0002043149

Serial Time : 0.0000321539

Speed Up = 0.1573742544

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

Parallel Time : 0.0007061730

Serial Time : 0.0008768938

Speed Up = 1.2417548360

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

Parallel Time : 0.0077699530

Serial Time : 0.0158677329

Speed Up = 2.0421916250

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

Parallel Time : 0.0303303762

Serial Time : 0.0972235580

Speed Up = 3.2054847341

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

Parallel Time : 0.3440937903

Serial Time : 0.2813397599

Speed Up = 0.8176252170

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

Parallel Time : 2.5790567552

Serial Time : 1.2250879500

Speed Up = 0.4750139552

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

Parallel Time : 1.2711577890

Serial Time : 5.0223599910

Speed Up = 3.9510122459

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

Parallel Time : 0.0001662457

Serial Time : 0.0000018212

Speed Up = 0.0109548752

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

Parallel Time : 0.0002128812

Serial Time : 0.0000332929

Speed Up = 0.1563919774

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

Parallel Time : 0.0016107061

Serial Time : 0.0008996110

Speed Up = 0.5585196728

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

Parallel Time : 0.0063016079

Serial Time : 0.0160419424

Speed Up = 2.5456903330

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

Parallel Time : 0.0814316138

Serial Time : 0.0929246801

Speed Up = 1.1411376466

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

Parallel Time : 0.0623042784

Serial Time : 0.3662527059

Speed Up = 5.8784519379

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

Parallel Time : 1.9114707699

Serial Time : 1.2257083640

Speed Up = 0.6412383508

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

Parallel Time : 1.0220507178

Serial Time : 5.0321931737

Speed Up = 4.9236237359

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

Parallel Time : 0.0002370719

Serial Time : 0.0000032121

Speed Up = 0.0135491880

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

Parallel Time : 0.0003213882

Serial Time : 0.0000579678

Speed Up = 0.1803670368

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

Parallel Time : 0.0011073616

Serial Time : 0.0015576170

Speed Up = 1.4066019047

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

Parallel Time : 0.0064672208

Serial Time : 0.0158951026

Speed Up = 2.4577949376

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

Parallel Time : 0.0182847590

Serial Time : 0.0978268818

Speed Up = 5.3501870985

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

Parallel Time : 0.0637236363

Serial Time : 0.2790453243

Speed Up = 4.3789924806

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

Parallel Time : 1.6609048219

Serial Time : 1.2232834548

Speed Up = 0.7365162884

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

Parallel Time : 0.8424587650

Serial Time : 5.0680661099

Speed Up = 6.0158031708

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

Parallel Time : 0.0003122478

Serial Time : 0.0000032578

Speed Up = 0.0104332731

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

Parallel Time : 0.0003387337

Serial Time : 0.0000580610

Speed Up = 0.1714059869

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

Parallel Time : 0.0009895070

Serial Time : 0.0015431340

Speed Up = 1.5594978705

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

Parallel Time : 0.0141117941

Serial Time : 0.0270569799

Speed Up = 1.9173309801

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

Parallel Time : 0.0150068803

Serial Time : 0.0702366102

Speed Up = 4.6802939024

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

Parallel Time : 0.0471891230

Serial Time : 0.3719223682

Speed Up = 7.8815274487

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

Parallel Time : 0.8782952507

Serial Time : 1.2243694901

Speed Up = 1.3940295010

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

Parallel Time : 0.7416281481

Serial Time : 5.2009328590

Speed Up = 7.0128579560

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