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

Parallel Time : 0.0000535701

Serial Time : 0.0000013602

Speed Up = 0.0253909476

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

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

Parallel Time : 0.0000612568

Serial Time : 0.0000102930

Speed Up = 0.1680299206

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

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

Parallel Time : 0.0001419722

Serial Time : 0.0001773648

Speed Up = 1.2492923515

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

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

Parallel Time : 0.0013052411

Serial Time : 0.0021274379

Speed Up = 1.6299194002

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

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

Parallel Time : 0.0167505159

Serial Time : 0.0261624563

Speed Up = 1.5618895803

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

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

Parallel Time : 0.1827463247

Serial Time : 0.2945304499

Speed Up = 1.6116901415

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

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

Parallel Time : 2.1146308533

Serial Time : 3.5887424629

Speed Up = 1.6971011547

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

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

Parallel Time : 0.0000896673

Serial Time : 0.0000013099

Speed Up = 0.0146085096

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

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

Parallel Time : 0.0001075710

Serial Time : 0.0000106930

Speed Up = 0.0994039142

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

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

Parallel Time : 0.0002707872

Serial Time : 0.0001464770

Speed Up = 0.5409304381

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

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

Parallel Time : 0.0008367379

Serial Time : 0.0020606057

Speed Up = 2.4626655855

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

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

Parallel Time : 0.0323916133

Serial Time : 0.0260466947

Speed Up = 0.8041184748

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

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

Parallel Time : 0.0929742898

Serial Time : 0.2932076231

Speed Up = 3.1536419771

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

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

Parallel Time : 1.1322489218

Serial Time : 3.6047793399

Speed Up = 3.1837339568

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

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

Parallel Time : 0.0002779630

Serial Time : 0.0000015320

Speed Up = 0.0055116171

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

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

Parallel Time : 0.0003684731

Serial Time : 0.0000114557

Speed Up = 0.0310897395

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

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

Parallel Time : 0.0003112140

Serial Time : 0.0001728470

Speed Up = 0.5553957868

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

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

Parallel Time : 0.0007512812

Serial Time : 0.0022719600

Speed Up = 3.0241142111

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

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

Parallel Time : 0.0129416799

Serial Time : 0.0268066553

Speed Up = 2.0713427863

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

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

Parallel Time : 0.1401684871

Serial Time : 0.2948555602

Speed Up = 2.1035795298

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

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

Parallel Time : 2.1506013260

Serial Time : 3.5821499261

Speed Up = 1.6656503847

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

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

Parallel Time : 0.0199597930

Serial Time : 0.0000014864

Speed Up = 0.0000744693

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

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

Parallel Time : 0.0306610749

Serial Time : 0.0000117081

Speed Up = 0.0003818562

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

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

Parallel Time : 0.0510665402

Serial Time : 0.0001632180

Speed Up = 0.0031961830

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

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

Parallel Time : 0.0770514249

Serial Time : 0.0023087622

Speed Up = 0.0299639127

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

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

Parallel Time : 0.1157591781

Serial Time : 0.0304474691

Speed Up = 0.2630242336

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

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

Parallel Time : 0.2236041813

Serial Time : 0.2970842812

Speed Up = 1.3286168419

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

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

Parallel Time : 1.2628286192

Serial Time : 4.0537639908

Speed Up = 3.2100666148

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