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

(1692777, 4636915)

(3368690, 2520059)

(5180540, 383426)

(7747793, 4238335)

(9885386, 9760492)

(6516649, 9641421)

Size of polygon = 6

Parallel Time : 0.0000605830

(1692777, 4636915)

(3368690, 2520059)

(5180540, 383426)

(7747793, 4238335)

(9885386, 9760492)

(6516649, 9641421)

Size of polygon = 6

Serial Time : 0.0000030049

Speed Up = 0.0495999262

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

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

(51528, 332871)

(2406219, 28624)

(7926652, 260756)

(9819582, 1100545)

(9997301, 5560280)

(9961393, 9018456)

(9885386, 9760492)

(5117276, 9947178)

(747796, 9700723)

(122846, 9493451)

Size of polygon = 10

Parallel Time : 0.0000701221

(51528, 332871)

(2406219, 28624)

(7926652, 260756)

(9819582, 1100545)

(9997301, 5560280)

(9961393, 9018456)

(9885386, 9760492)

(5117276, 9947178)

(747796, 9700723)

(122846, 9493451)

Size of polygon = 10

Serial Time : 0.0000148299

Speed Up = 0.2114871236

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

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

(7057, 9337836)

(19304, 3161956)

(51528, 332871)

(418657, 9097)

(553541, 569)

(9273303, 3033)

(9860596, 188534)

(9964443, 2255763)

(9997301, 5560280)

(9961393, 9018456)

(9885386, 9760492)

(8617647, 9908538)

(4868098, 9994425)

(2976554, 9980538)

(144854, 9952366)

(42348, 9643461)

Size of polygon = 16

Parallel Time : 0.0001826729

(7057, 9337836)

(19304, 3161956)

(51528, 332871)

(418657, 9097)

(553541, 569)

(9273303, 3033)

(9860596, 188534)

(9964443, 2255763)

(9997301, 5560280)

(9961393, 9018456)

(9885386, 9760492)

(8617647, 9908538)

(4868098, 9994425)

(2976554, 9980538)

(144854, 9952366)

(42348, 9643461)

Size of polygon = 16

Serial Time : 0.0001801727

Speed Up = 0.9863135918

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

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

(1206, 5170269)

(3619, 61092)

(24745, 34596)

(418657, 9097)

(553541, 569)

(2720768, 543)

(6127367, 1143)

(7818135, 2037)

(9273303, 3033)

(9786528, 79322)

(9964006, 166897)

(9987760, 764683)

(9996023, 3547068)

(9998119, 5263240)

(9998305, 9335133)

(9982271, 9871046)

(9763402, 9979334)

(9082539, 9998876)

(7146706, 9999504)

(2125315, 9999213)

(1056028, 9991279)

(144854, 9952366)

(2362, 9821724)

Size of polygon = 23

Parallel Time : 0.0015818942

(1206, 5170269)

(3619, 61092)

(24745, 34596)

(418657, 9097)

(553541, 569)

(2720768, 543)

(6127367, 1143)

(7818135, 2037)

(9273303, 3033)

(9786528, 79322)

(9964006, 166897)

(9987760, 764683)

(9996023, 3547068)

(9998119, 5263240)

(9998305, 9335133)

(9982271, 9871046)

(9763402, 9979334)

(9082539, 9998876)

(7146706, 9999504)

(2125315, 9999213)

(1056028, 9991279)

(144854, 9952366)

(2362, 9821724)

Size of polygon = 23

Serial Time : 0.0024971929

Speed Up = 1.5786092929

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

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

(49, 7081966)

(130, 4904737)

(277, 1096314)

(2064, 5478)

(25845, 3208)

(553541, 569)

(1077592, 69)

(5403556, 14)

(8703035, 3)

(9507068, 26)

(9821207, 1004)

(9993552, 14181)

(9999131, 99938)

(9999926, 867284)

(9999756, 8483636)

(9999420, 9242924)

(9997926, 9746968)

(9996595, 9927386)

(9988437, 9972962)

(9971111, 9983833)

(9829040, 9989696)

(9722529, 9992493)

(9082539, 9998876)

(7837946, 9999648)

(6595869, 9999757)

(5803441, 9999791)

(1950936, 9999887)

(181327, 9999301)

(61053, 9979285)

(30418, 9971187)

(6707, 9877942)

(2362, 9821724)

Size of polygon = 32

Parallel Time : 0.0166489910

(49, 7081966)

(130, 4904737)

(277, 1096314)

(2064, 5478)

(25845, 3208)

(553541, 569)

(1077592, 69)

(5403556, 14)

(8703035, 3)

(9507068, 26)

(9821207, 1004)

(9993552, 14181)

(9999131, 99938)

(9999926, 867284)

(9999756, 8483636)

(9999420, 9242924)

(9997926, 9746968)

(9996595, 9927386)

(9988437, 9972962)

(9971111, 9983833)

(9829040, 9989696)

(9722529, 9992493)

(9082539, 9998876)

(7837946, 9999648)

(6595869, 9999757)

(5803441, 9999791)

(1950936, 9999887)

(181327, 9999301)

(61053, 9979285)

(30418, 9971187)

(6707, 9877942)

(2362, 9821724)

Size of polygon = 32

Serial Time : 0.0261622500

Speed Up = 1.5714015291

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

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

(6, 3682223)

(242, 4799)

(43307, 1665)

(265268, 772)

(646189, 141)

(1077592, 69)

(5403556, 14)

(8703035, 3)

(9507068, 26)

(9643612, 229)

(9877151, 588)

(9905669, 645)

(9918960, 876)

(9973482, 2197)

(9993552, 14181)

(9998174, 25486)

(9999281, 61139)

(9999826, 305762)

(9999926, 867284)

(9999977, 1900607)

(9999993, 4195955)

(9999996, 9064470)

(9999869, 9809080)

(9999802, 9875533)

(9999565, 9948124)

(9998126, 9985935)

(9993132, 9989678)

(9967761, 9998414)

(9844362, 9999974)

(3774765, 9999999)

(405732, 9999985)

(79394, 9999745)

(23102, 9998950)

(2590, 9986222)

(505, 9966593)

(10, 9835513)

Size of polygon = 36

Parallel Time : 0.1828326937

(6, 3682223)

(242, 4799)

(43307, 1665)

(265268, 772)

(646189, 141)

(1077592, 69)

(5403556, 14)

(8703035, 3)

(9507068, 26)

(9643612, 229)

(9877151, 588)

(9905669, 645)

(9918960, 876)

(9973482, 2197)

(9993552, 14181)

(9998174, 25486)

(9999281, 61139)

(9999826, 305762)

(9999926, 867284)

(9999977, 1900607)

(9999993, 4195955)

(9999996, 9064470)

(9999869, 9809080)

(9999802, 9875533)

(9999565, 9948124)

(9998126, 9985935)

(9993132, 9989678)

(9967761, 9998414)

(9844362, 9999974)

(3774765, 9999999)

(405732, 9999985)

(79394, 9999745)

(23102, 9998950)

(2590, 9986222)

(505, 9966593)

(10, 9835513)

Size of polygon = 36

Serial Time : 0.2927975883

Speed Up = 1.6014509352

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

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

(0, 8504500)

(1, 855866)

(2, 224041)

(47, 87830)

(242, 4799)

(9913, 302)

(47734, 46)

(480545, 8)

(2673144, 0)

(3514052, 0)

(8703035, 3)

(8950067, 5)

(9507068, 26)

(9720716, 129)

(9859915, 221)

(9917518, 321)

(9949789, 410)

(9979151, 500)

(9999254, 1254)

(9999461, 10181)

(9999901, 44152)

(9999969, 64443)

(9999992, 669677)

(9999998, 900661)

(9999996, 9064470)

(9999994, 9657806)

(9999969, 9965289)

(9998830, 9997022)

(9994285, 9999202)

(9962839, 9999810)

(9844362, 9999974)

(9606544, 9999994)

(9122311, 9999998)

(3774765, 9999999)

(804275, 9999994)

(405732, 9999985)

(36765, 9999914)

(25029, 9999907)

(4470, 9999445)

(492, 9998956)

(275, 9978717)

(73, 9928108)

(10, 9835513)

(1, 9310155)

Size of polygon = 44

Parallel Time : 2.0311978767

(0, 8504500)

(1, 855866)

(2, 224041)

(47, 87830)

(242, 4799)

(9913, 302)

(47734, 46)

(480545, 8)

(2673144, 0)

(3514052, 0)

(8703035, 3)

(8950067, 5)

(9507068, 26)

(9720716, 129)

(9859915, 221)

(9917518, 321)

(9949789, 410)

(9979151, 500)

(9999254, 1254)

(9999461, 10181)

(9999901, 44152)

(9999969, 64443)

(9999992, 669677)

(9999998, 900661)

(9999996, 9064470)

(9999994, 9657806)

(9999969, 9965289)

(9998830, 9997022)

(9994285, 9999202)

(9962839, 9999810)

(9844362, 9999974)

(9606544, 9999994)

(9122311, 9999998)

(3774765, 9999999)

(804275, 9999994)

(405732, 9999985)

(36765, 9999914)

(25029, 9999907)

(4470, 9999445)

(492, 9998956)

(275, 9978717)

(73, 9928108)

(10, 9835513)

(1, 9310155)

Size of polygon = 44

Serial Time : 3.5775397164

Speed Up = 1.7612955180

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

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

(1692777, 4636915)

(3368690, 2520059)

(5180540, 383426)

(7747793, 4238335)

(9885386, 9760492)

(6516649, 9641421)

Size of polygon = 6

Parallel Time : 0.0000988399

(1692777, 4636915)

(3368690, 2520059)

(5180540, 383426)

(7747793, 4238335)

(9885386, 9760492)

(6516649, 9641421)

Size of polygon = 6

Serial Time : 0.0000024647

Speed Up = 0.0249367512

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

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

(51528, 332871)

(2406219, 28624)

(7926652, 260756)

(9819582, 1100545)

(9997301, 5560280)

(9961393, 9018456)

(9885386, 9760492)

(5117276, 9947178)

(747796, 9700723)

(122846, 9493451)

Size of polygon = 10

Parallel Time : 0.0001083929

(51528, 332871)

(2406219, 28624)

(7926652, 260756)

(9819582, 1100545)

(9997301, 5560280)

(9961393, 9018456)

(9885386, 9760492)

(5117276, 9947178)

(747796, 9700723)

(122846, 9493451)

Size of polygon = 10

Serial Time : 0.0000127833

Speed Up = 0.1179351468

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

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

(7057, 9337836)

(19304, 3161956)

(51528, 332871)

(418657, 9097)

(553541, 569)

(9273303, 3033)

(9860596, 188534)

(9964443, 2255763)

(9997301, 5560280)

(9961393, 9018456)

(9885386, 9760492)

(8617647, 9908538)

(4868098, 9994425)

(2976554, 9980538)

(144854, 9952366)

(42348, 9643461)

Size of polygon = 16

Parallel Time : 0.0002296004

(7057, 9337836)

(19304, 3161956)

(51528, 332871)

(418657, 9097)

(553541, 569)

(9273303, 3033)

(9860596, 188534)

(9964443, 2255763)

(9997301, 5560280)

(9961393, 9018456)

(9885386, 9760492)

(8617647, 9908538)

(4868098, 9994425)

(2976554, 9980538)

(144854, 9952366)

(42348, 9643461)

Size of polygon = 16

Serial Time : 0.0001548319

Speed Up = 0.6743539872

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

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

(1206, 5170269)

(3619, 61092)

(24745, 34596)

(418657, 9097)

(553541, 569)

(2720768, 543)

(6127367, 1143)

(7818135, 2037)

(9273303, 3033)

(9786528, 79322)

(9964006, 166897)

(9987760, 764683)

(9996023, 3547068)

(9998119, 5263240)

(9998305, 9335133)

(9982271, 9871046)

(9763402, 9979334)

(9082539, 9998876)

(7146706, 9999504)

(2125315, 9999213)

(1056028, 9991279)

(144854, 9952366)

(2362, 9821724)

Size of polygon = 23

Parallel Time : 0.0008756598

(1206, 5170269)

(3619, 61092)

(24745, 34596)

(418657, 9097)

(553541, 569)

(2720768, 543)

(6127367, 1143)

(7818135, 2037)

(9273303, 3033)

(9786528, 79322)

(9964006, 166897)

(9987760, 764683)

(9996023, 3547068)

(9998119, 5263240)

(9998305, 9335133)

(9982271, 9871046)

(9763402, 9979334)

(9082539, 9998876)

(7146706, 9999504)

(2125315, 9999213)

(1056028, 9991279)

(144854, 9952366)

(2362, 9821724)

Size of polygon = 23

Serial Time : 0.0021844478

Speed Up = 2.4946308493

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

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

(49, 7081966)

(130, 4904737)

(277, 1096314)

(2064, 5478)

(25845, 3208)

(553541, 569)

(1077592, 69)

(5403556, 14)

(8703035, 3)

(9507068, 26)

(9821207, 1004)

(9993552, 14181)

(9999131, 99938)

(9999926, 867284)

(9999756, 8483636)

(9999420, 9242924)

(9997926, 9746968)

(9996595, 9927386)

(9988437, 9972962)

(9971111, 9983833)

(9829040, 9989696)

(9722529, 9992493)

(9082539, 9998876)

(7837946, 9999648)

(6595869, 9999757)

(5803441, 9999791)

(1950936, 9999887)

(181327, 9999301)

(61053, 9979285)

(30418, 9971187)

(6707, 9877942)

(2362, 9821724)

Size of polygon = 32

Parallel Time : 0.0090615782

(49, 7081966)

(130, 4904737)

(277, 1096314)

(2064, 5478)

(25845, 3208)

(553541, 569)

(1077592, 69)

(5403556, 14)

(8703035, 3)

(9507068, 26)

(9821207, 1004)

(9993552, 14181)

(9999131, 99938)

(9999926, 867284)

(9999756, 8483636)

(9999420, 9242924)

(9997926, 9746968)

(9996595, 9927386)

(9988437, 9972962)

(9971111, 9983833)

(9829040, 9989696)

(9722529, 9992493)

(9082539, 9998876)

(7837946, 9999648)

(6595869, 9999757)

(5803441, 9999791)

(1950936, 9999887)

(181327, 9999301)

(61053, 9979285)

(30418, 9971187)

(6707, 9877942)

(2362, 9821724)

Size of polygon = 32

Serial Time : 0.0265078037

Speed Up = 2.9252965800

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

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

(6, 3682223)

(242, 4799)

(43307, 1665)

(265268, 772)

(646189, 141)

(1077592, 69)

(5403556, 14)

(8703035, 3)

(9507068, 26)

(9643612, 229)

(9877151, 588)

(9905669, 645)

(9918960, 876)

(9973482, 2197)

(9993552, 14181)

(9998174, 25486)

(9999281, 61139)

(9999826, 305762)

(9999926, 867284)

(9999977, 1900607)

(9999993, 4195955)

(9999996, 9064470)

(9999869, 9809080)

(9999802, 9875533)

(9999565, 9948124)

(9998126, 9985935)

(9993132, 9989678)

(9967761, 9998414)

(9844362, 9999974)

(3774765, 9999999)

(405732, 9999985)

(79394, 9999745)

(23102, 9998950)

(2590, 9986222)

(505, 9966593)

(10, 9835513)

Size of polygon = 36

Parallel Time : 0.0966887698

(6, 3682223)

(242, 4799)

(43307, 1665)

(265268, 772)

(646189, 141)

(1077592, 69)

(5403556, 14)

(8703035, 3)

(9507068, 26)

(9643612, 229)

(9877151, 588)

(9905669, 645)

(9918960, 876)

(9973482, 2197)

(9993552, 14181)

(9998174, 25486)

(9999281, 61139)

(9999826, 305762)

(9999926, 867284)

(9999977, 1900607)

(9999993, 4195955)

(9999996, 9064470)

(9999869, 9809080)

(9999802, 9875533)

(9999565, 9948124)

(9998126, 9985935)

(9993132, 9989678)

(9967761, 9998414)

(9844362, 9999974)

(3774765, 9999999)

(405732, 9999985)

(79394, 9999745)

(23102, 9998950)

(2590, 9986222)

(505, 9966593)

(10, 9835513)

Size of polygon = 36

Serial Time : 0.2926224242

Speed Up = 3.0264365234

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

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

(0, 8504500)

(1, 855866)

(2, 224041)

(47, 87830)

(242, 4799)

(9913, 302)

(47734, 46)

(480545, 8)

(2673144, 0)

(3514052, 0)

(8703035, 3)

(8950067, 5)

(9507068, 26)

(9720716, 129)

(9859915, 221)

(9917518, 321)

(9949789, 410)

(9979151, 500)

(9999254, 1254)

(9999461, 10181)

(9999901, 44152)

(9999969, 64443)

(9999992, 669677)

(9999998, 900661)

(9999996, 9064470)

(9999994, 9657806)

(9999969, 9965289)

(9998830, 9997022)

(9994285, 9999202)

(9962839, 9999810)

(9844362, 9999974)

(9606544, 9999994)

(9122311, 9999998)

(3774765, 9999999)

(804275, 9999994)

(405732, 9999985)

(36765, 9999914)

(25029, 9999907)

(4470, 9999445)

(492, 9998956)

(275, 9978717)

(73, 9928108)

(10, 9835513)

(1, 9310155)

Size of polygon = 44

Parallel Time : 1.1735465103

(0, 8504500)

(1, 855866)

(2, 224041)

(47, 87830)

(242, 4799)

(9913, 302)

(47734, 46)

(480545, 8)

(2673144, 0)

(3514052, 0)

(8703035, 3)

(8950067, 5)

(9507068, 26)

(9720716, 129)

(9859915, 221)

(9917518, 321)

(9949789, 410)

(9979151, 500)

(9999254, 1254)

(9999461, 10181)

(9999901, 44152)

(9999969, 64443)

(9999992, 669677)

(9999998, 900661)

(9999996, 9064470)

(9999994, 9657806)

(9999969, 9965289)

(9998830, 9997022)

(9994285, 9999202)

(9962839, 9999810)

(9844362, 9999974)

(9606544, 9999994)

(9122311, 9999998)

(3774765, 9999999)

(804275, 9999994)

(405732, 9999985)

(36765, 9999914)

(25029, 9999907)

(4470, 9999445)

(492, 9998956)

(275, 9978717)

(73, 9928108)

(10, 9835513)

(1, 9310155)

Size of polygon = 44

Serial Time : 3.5767266611

Speed Up = 3.0477928482

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

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

(1692777, 4636915)

(3368690, 2520059)

(5180540, 383426)

(7747793, 4238335)

(9885386, 9760492)

(6516649, 9641421)

Size of polygon = 6

Parallel Time : 0.0001569190

(1692777, 4636915)

(3368690, 2520059)

(5180540, 383426)

(7747793, 4238335)

(9885386, 9760492)

(6516649, 9641421)

Size of polygon = 6

Serial Time : 0.0000026678

Speed Up = 0.0170009585

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

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

(51528, 332871)

(2406219, 28624)

(7926652, 260756)

(9819582, 1100545)

(9997301, 5560280)

(9961393, 9018456)

(9885386, 9760492)

(5117276, 9947178)

(747796, 9700723)

(122846, 9493451)

Size of polygon = 10

Parallel Time : 0.0001874147

(51528, 332871)

(2406219, 28624)

(7926652, 260756)

(9819582, 1100545)

(9997301, 5560280)

(9961393, 9018456)

(9885386, 9760492)

(5117276, 9947178)

(747796, 9700723)

(122846, 9493451)

Size of polygon = 10

Serial Time : 0.0000134371

Speed Up = 0.0716972694

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

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

(7057, 9337836)

(19304, 3161956)

(51528, 332871)

(418657, 9097)

(553541, 569)

(9273303, 3033)

(9860596, 188534)

(9964443, 2255763)

(9997301, 5560280)

(9961393, 9018456)

(9885386, 9760492)

(8617647, 9908538)

(4868098, 9994425)

(2976554, 9980538)

(144854, 9952366)

(42348, 9643461)

Size of polygon = 16

Parallel Time : 0.0002940823

(7057, 9337836)

(19304, 3161956)

(51528, 332871)

(418657, 9097)

(553541, 569)

(9273303, 3033)

(9860596, 188534)

(9964443, 2255763)

(9997301, 5560280)

(9961393, 9018456)

(9885386, 9760492)

(8617647, 9908538)

(4868098, 9994425)

(2976554, 9980538)

(144854, 9952366)

(42348, 9643461)

Size of polygon = 16

Serial Time : 0.0001848340

Speed Up = 0.6285110769

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

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

(1206, 5170269)

(3619, 61092)

(24745, 34596)

(418657, 9097)

(553541, 569)

(2720768, 543)

(6127367, 1143)

(7818135, 2037)

(9273303, 3033)

(9786528, 79322)

(9964006, 166897)

(9987760, 764683)

(9996023, 3547068)

(9998119, 5263240)

(9998305, 9335133)

(9982271, 9871046)

(9763402, 9979334)

(9082539, 9998876)

(7146706, 9999504)

(2125315, 9999213)

(1056028, 9991279)

(144854, 9952366)

(2362, 9821724)

Size of polygon = 23

Parallel Time : 0.0012298361

(1206, 5170269)

(3619, 61092)

(24745, 34596)

(418657, 9097)

(553541, 569)

(2720768, 543)

(6127367, 1143)

(7818135, 2037)

(9273303, 3033)

(9786528, 79322)

(9964006, 166897)

(9987760, 764683)

(9996023, 3547068)

(9998119, 5263240)

(9998305, 9335133)

(9982271, 9871046)

(9763402, 9979334)

(9082539, 9998876)

(7146706, 9999504)

(2125315, 9999213)

(1056028, 9991279)

(144854, 9952366)

(2362, 9821724)

Size of polygon = 23

Serial Time : 0.0022163349

Speed Up = 1.8021383895

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

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

(49, 7081966)

(130, 4904737)

(277, 1096314)

(2064, 5478)

(25845, 3208)

(553541, 569)

(1077592, 69)

(5403556, 14)

(8703035, 3)

(9507068, 26)

(9821207, 1004)

(9993552, 14181)

(9999131, 99938)

(9999926, 867284)

(9999756, 8483636)

(9999420, 9242924)

(9997926, 9746968)

(9996595, 9927386)

(9988437, 9972962)

(9971111, 9983833)

(9829040, 9989696)

(9722529, 9992493)

(9082539, 9998876)

(7837946, 9999648)

(6595869, 9999757)

(5803441, 9999791)

(1950936, 9999887)

(181327, 9999301)

(61053, 9979285)

(30418, 9971187)

(6707, 9877942)

(2362, 9821724)

Size of polygon = 32

Parallel Time : 0.0065397192

(49, 7081966)

(130, 4904737)

(277, 1096314)

(2064, 5478)

(25845, 3208)

(553541, 569)

(1077592, 69)

(5403556, 14)

(8703035, 3)

(9507068, 26)

(9821207, 1004)

(9993552, 14181)

(9999131, 99938)

(9999926, 867284)

(9999756, 8483636)

(9999420, 9242924)

(9997926, 9746968)

(9996595, 9927386)

(9988437, 9972962)

(9971111, 9983833)

(9829040, 9989696)

(9722529, 9992493)

(9082539, 9998876)

(7837946, 9999648)

(6595869, 9999757)

(5803441, 9999791)

(1950936, 9999887)

(181327, 9999301)

(61053, 9979285)

(30418, 9971187)

(6707, 9877942)

(2362, 9821724)

Size of polygon = 32

Serial Time : 0.0264622527

Speed Up = 4.0463897596

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

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

(6, 3682223)

(242, 4799)

(43307, 1665)

(265268, 772)

(646189, 141)

(1077592, 69)

(5403556, 14)

(8703035, 3)

(9507068, 26)

(9643612, 229)

(9877151, 588)

(9905669, 645)

(9918960, 876)

(9973482, 2197)

(9993552, 14181)

(9998174, 25486)

(9999281, 61139)

(9999826, 305762)

(9999926, 867284)

(9999977, 1900607)

(9999993, 4195955)

(9999996, 9064470)

(9999869, 9809080)

(9999802, 9875533)

(9999565, 9948124)

(9998126, 9985935)

(9993132, 9989678)

(9967761, 9998414)

(9844362, 9999974)

(3774765, 9999999)

(405732, 9999985)

(79394, 9999745)

(23102, 9998950)

(2590, 9986222)

(505, 9966593)

(10, 9835513)

Size of polygon = 36

Parallel Time : 0.1273983470

(6, 3682223)

(242, 4799)

(43307, 1665)

(265268, 772)

(646189, 141)

(1077592, 69)

(5403556, 14)

(8703035, 3)

(9507068, 26)

(9643612, 229)

(9877151, 588)

(9905669, 645)

(9918960, 876)

(9973482, 2197)

(9993552, 14181)

(9998174, 25486)

(9999281, 61139)

(9999826, 305762)

(9999926, 867284)

(9999977, 1900607)

(9999993, 4195955)

(9999996, 9064470)

(9999869, 9809080)

(9999802, 9875533)

(9999565, 9948124)

(9998126, 9985935)

(9993132, 9989678)

(9967761, 9998414)

(9844362, 9999974)

(3774765, 9999999)

(405732, 9999985)

(79394, 9999745)

(23102, 9998950)

(2590, 9986222)

(505, 9966593)

(10, 9835513)

Size of polygon = 36

Serial Time : 0.2915996970

Speed Up = 2.2888813222

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

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

(0, 8504500)

(1, 855866)

(2, 224041)

(47, 87830)

(242, 4799)

(9913, 302)

(47734, 46)

(480545, 8)

(2673144, 0)

(3514052, 0)

(8703035, 3)

(8950067, 5)

(9507068, 26)

(9720716, 129)

(9859915, 221)

(9917518, 321)

(9949789, 410)

(9979151, 500)

(9999254, 1254)

(9999461, 10181)

(9999901, 44152)

(9999969, 64443)

(9999992, 669677)

(9999998, 900661)

(9999996, 9064470)

(9999994, 9657806)

(9999969, 9965289)

(9998830, 9997022)

(9994285, 9999202)

(9962839, 9999810)

(9844362, 9999974)

(9606544, 9999994)

(9122311, 9999998)

(3774765, 9999999)

(804275, 9999994)

(405732, 9999985)

(36765, 9999914)

(25029, 9999907)

(4470, 9999445)

(492, 9998956)

(275, 9978717)

(73, 9928108)

(10, 9835513)

(1, 9310155)

Size of polygon = 44

Parallel Time : 0.6249744119

(0, 8504500)

(1, 855866)

(2, 224041)

(47, 87830)

(242, 4799)

(9913, 302)

(47734, 46)

(480545, 8)

(2673144, 0)

(3514052, 0)

(8703035, 3)

(8950067, 5)

(9507068, 26)

(9720716, 129)

(9859915, 221)

(9917518, 321)

(9949789, 410)

(9979151, 500)

(9999254, 1254)

(9999461, 10181)

(9999901, 44152)

(9999969, 64443)

(9999992, 669677)

(9999998, 900661)

(9999996, 9064470)

(9999994, 9657806)

(9999969, 9965289)

(9998830, 9997022)

(9994285, 9999202)

(9962839, 9999810)

(9844362, 9999974)

(9606544, 9999994)

(9122311, 9999998)

(3774765, 9999999)

(804275, 9999994)

(405732, 9999985)

(36765, 9999914)

(25029, 9999907)

(4470, 9999445)

(492, 9998956)

(275, 9978717)

(73, 9928108)

(10, 9835513)

(1, 9310155)

Size of polygon = 44

Serial Time : 3.5709789749

Speed Up = 5.7138002882

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

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

(1692777, 4636915)

(3368690, 2520059)

(5180540, 383426)

(7747793, 4238335)

(9885386, 9760492)

(6516649, 9641421)

Size of polygon = 6

Parallel Time : 0.0191468550

(1692777, 4636915)

(3368690, 2520059)

(5180540, 383426)

(7747793, 4238335)

(9885386, 9760492)

(6516649, 9641421)

Size of polygon = 6

Serial Time : 0.0000028219

Speed Up = 0.0001473823

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

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

(51528, 332871)

(2406219, 28624)

(7926652, 260756)

(9819582, 1100545)

(9997301, 5560280)

(9961393, 9018456)

(9885386, 9760492)

(5117276, 9947178)

(747796, 9700723)

(122846, 9493451)

Size of polygon = 10

Parallel Time : 0.0354653490

(51528, 332871)

(2406219, 28624)

(7926652, 260756)

(9819582, 1100545)

(9997301, 5560280)

(9961393, 9018456)

(9885386, 9760492)

(5117276, 9947178)

(747796, 9700723)

(122846, 9493451)

Size of polygon = 10

Serial Time : 0.0000138991

Speed Up = 0.0003919053

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

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

(7057, 9337836)

(19304, 3161956)

(51528, 332871)

(418657, 9097)

(553541, 569)

(9273303, 3033)

(9860596, 188534)

(9964443, 2255763)

(9997301, 5560280)

(9961393, 9018456)

(9885386, 9760492)

(8617647, 9908538)

(4868098, 9994425)

(2976554, 9980538)

(144854, 9952366)

(42348, 9643461)

Size of polygon = 16

Parallel Time : 0.0547920107

(7057, 9337836)

(19304, 3161956)

(51528, 332871)

(418657, 9097)

(553541, 569)

(9273303, 3033)

(9860596, 188534)

(9964443, 2255763)

(9997301, 5560280)

(9961393, 9018456)

(9885386, 9760492)

(8617647, 9908538)

(4868098, 9994425)

(2976554, 9980538)

(144854, 9952366)

(42348, 9643461)

Size of polygon = 16

Serial Time : 0.0001666993

Speed Up = 0.0030424014

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

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

(1206, 5170269)

(3619, 61092)

(24745, 34596)

(418657, 9097)

(553541, 569)

(2720768, 543)

(6127367, 1143)

(7818135, 2037)

(9273303, 3033)

(9786528, 79322)

(9964006, 166897)

(9987760, 764683)

(9996023, 3547068)

(9998119, 5263240)

(9998305, 9335133)

(9982271, 9871046)

(9763402, 9979334)

(9082539, 9998876)

(7146706, 9999504)

(2125315, 9999213)

(1056028, 9991279)

(144854, 9952366)

(2362, 9821724)

Size of polygon = 23

Parallel Time : 0.0808492410

(1206, 5170269)

(3619, 61092)

(24745, 34596)

(418657, 9097)

(553541, 569)

(2720768, 543)

(6127367, 1143)

(7818135, 2037)

(9273303, 3033)

(9786528, 79322)

(9964006, 166897)

(9987760, 764683)

(9996023, 3547068)

(9998119, 5263240)

(9998305, 9335133)

(9982271, 9871046)

(9763402, 9979334)

(9082539, 9998876)

(7146706, 9999504)

(2125315, 9999213)

(1056028, 9991279)

(144854, 9952366)

(2362, 9821724)

Size of polygon = 23

Serial Time : 0.0023030713

Speed Up = 0.0284859980

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

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

(49, 7081966)

(130, 4904737)

(277, 1096314)

(2064, 5478)

(25845, 3208)

(553541, 569)

(1077592, 69)

(5403556, 14)

(8703035, 3)

(9507068, 26)

(9821207, 1004)

(9993552, 14181)

(9999131, 99938)

(9999926, 867284)

(9999756, 8483636)

(9999420, 9242924)

(9997926, 9746968)

(9996595, 9927386)

(9988437, 9972962)

(9971111, 9983833)

(9829040, 9989696)

(9722529, 9992493)

(9082539, 9998876)

(7837946, 9999648)

(6595869, 9999757)

(5803441, 9999791)

(1950936, 9999887)

(181327, 9999301)

(61053, 9979285)

(30418, 9971187)

(6707, 9877942)

(2362, 9821724)

Size of polygon = 32

Parallel Time : 0.1186351720

(49, 7081966)

(130, 4904737)

(277, 1096314)

(2064, 5478)

(25845, 3208)

(553541, 569)

(1077592, 69)

(5403556, 14)

(8703035, 3)

(9507068, 26)

(9821207, 1004)

(9993552, 14181)

(9999131, 99938)

(9999926, 867284)

(9999756, 8483636)

(9999420, 9242924)

(9997926, 9746968)

(9996595, 9927386)

(9988437, 9972962)

(9971111, 9983833)

(9829040, 9989696)

(9722529, 9992493)

(9082539, 9998876)

(7837946, 9999648)

(6595869, 9999757)

(5803441, 9999791)

(1950936, 9999887)

(181327, 9999301)

(61053, 9979285)

(30418, 9971187)

(6707, 9877942)

(2362, 9821724)

Size of polygon = 32

Serial Time : 0.0317426869

Speed Up = 0.2675655653

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

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

(6, 3682223)

(242, 4799)

(43307, 1665)

(265268, 772)

(646189, 141)

(1077592, 69)

(5403556, 14)

(8703035, 3)

(9507068, 26)

(9643612, 229)

(9877151, 588)

(9905669, 645)

(9918960, 876)

(9973482, 2197)

(9993552, 14181)

(9998174, 25486)

(9999281, 61139)

(9999826, 305762)

(9999926, 867284)

(9999977, 1900607)

(9999993, 4195955)

(9999996, 9064470)

(9999869, 9809080)

(9999802, 9875533)

(9999565, 9948124)

(9998126, 9985935)

(9993132, 9989678)

(9967761, 9998414)

(9844362, 9999974)

(3774765, 9999999)

(405732, 9999985)

(79394, 9999745)

(23102, 9998950)

(2590, 9986222)

(505, 9966593)

(10, 9835513)

Size of polygon = 36

Parallel Time : 0.1926073222

(6, 3682223)

(242, 4799)

(43307, 1665)

(265268, 772)

(646189, 141)

(1077592, 69)

(5403556, 14)

(8703035, 3)

(9507068, 26)

(9643612, 229)

(9877151, 588)

(9905669, 645)

(9918960, 876)

(9973482, 2197)

(9993552, 14181)

(9998174, 25486)

(9999281, 61139)

(9999826, 305762)

(9999926, 867284)

(9999977, 1900607)

(9999993, 4195955)

(9999996, 9064470)

(9999869, 9809080)

(9999802, 9875533)

(9999565, 9948124)

(9998126, 9985935)

(9993132, 9989678)

(9967761, 9998414)

(9844362, 9999974)

(3774765, 9999999)

(405732, 9999985)

(79394, 9999745)

(23102, 9998950)

(2590, 9986222)

(505, 9966593)

(10, 9835513)

Size of polygon = 36

Serial Time : 0.3249477036

Speed Up = 1.6870994303

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

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

(0, 8504500)

(1, 855866)

(2, 224041)

(47, 87830)

(242, 4799)

(9913, 302)

(47734, 46)

(480545, 8)

(2673144, 0)

(3514052, 0)

(8703035, 3)

(8950067, 5)

(9507068, 26)

(9720716, 129)

(9859915, 221)

(9917518, 321)

(9949789, 410)

(9979151, 500)

(9999254, 1254)

(9999461, 10181)

(9999901, 44152)

(9999969, 64443)

(9999992, 669677)

(9999998, 900661)

(9999996, 9064470)

(9999994, 9657806)

(9999969, 9965289)

(9998830, 9997022)

(9994285, 9999202)

(9962839, 9999810)

(9844362, 9999974)

(9606544, 9999994)

(9122311, 9999998)

(3774765, 9999999)

(804275, 9999994)

(405732, 9999985)

(36765, 9999914)

(25029, 9999907)

(4470, 9999445)

(492, 9998956)

(275, 9978717)

(73, 9928108)

(10, 9835513)

(1, 9310155)

Size of polygon = 44

Parallel Time : 0.9686083212

(0, 8504500)

(1, 855866)

(2, 224041)

(47, 87830)

(242, 4799)

(9913, 302)

(47734, 46)

(480545, 8)

(2673144, 0)

(3514052, 0)

(8703035, 3)

(8950067, 5)

(9507068, 26)

(9720716, 129)

(9859915, 221)

(9917518, 321)

(9949789, 410)

(9979151, 500)

(9999254, 1254)

(9999461, 10181)

(9999901, 44152)

(9999969, 64443)

(9999992, 669677)

(9999998, 900661)

(9999996, 9064470)

(9999994, 9657806)

(9999969, 9965289)

(9998830, 9997022)

(9994285, 9999202)

(9962839, 9999810)

(9844362, 9999974)

(9606544, 9999994)

(9122311, 9999998)

(3774765, 9999999)

(804275, 9999994)

(405732, 9999985)

(36765, 9999914)

(25029, 9999907)

(4470, 9999445)

(492, 9998956)

(275, 9978717)

(73, 9928108)

(10, 9835513)

(1, 9310155)

Size of polygon = 44

Serial Time : 3.5734960800

Speed Up = 3.6893097054

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