C = 0.1

Minimum Penalty = 1.40865
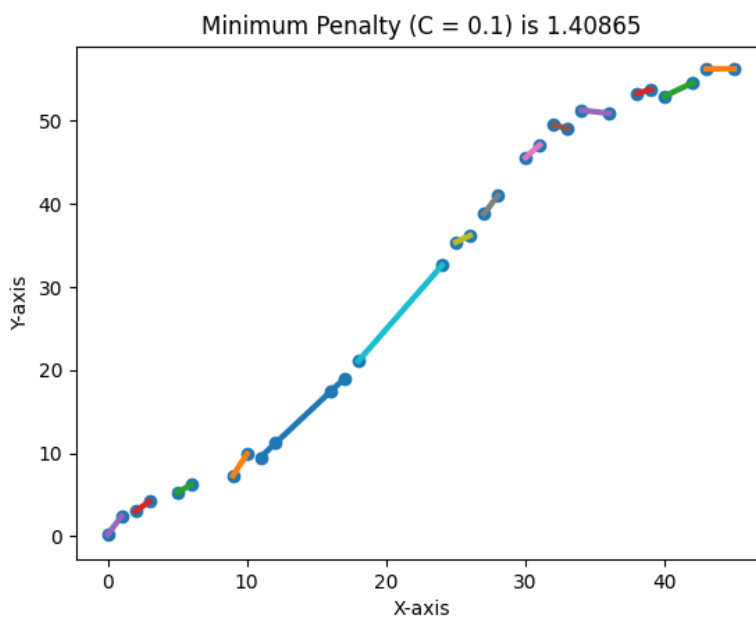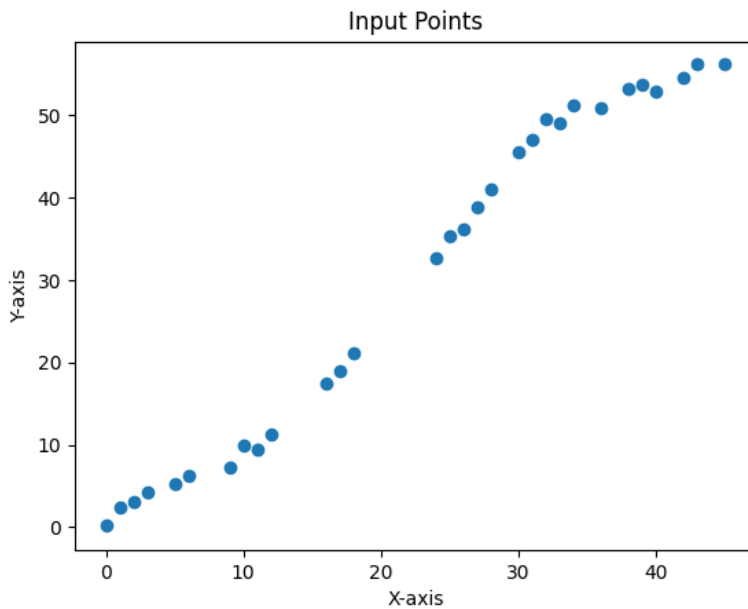Number of segments = 14
Running time (input):   1 ms
Running time (algo):   4 ms
HEAP SUMMARY:
  in use at exit: 0 bytes in 0 blocks
  total heap usage: 137 allocs, 137 frees, 110,765 bytes allocated

Input Points

Minimum Penalty (C = 0.1) is 1.40865

C = 1

Minimum Penalty = 10.4816
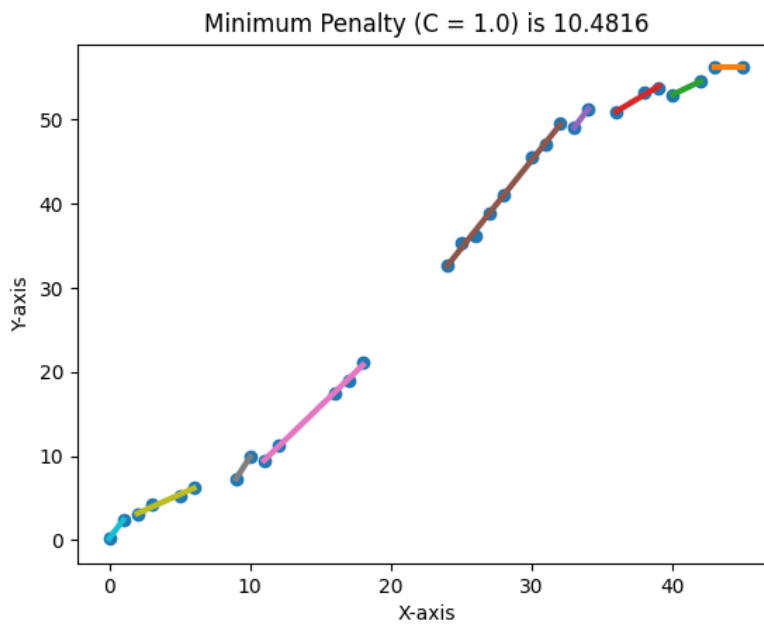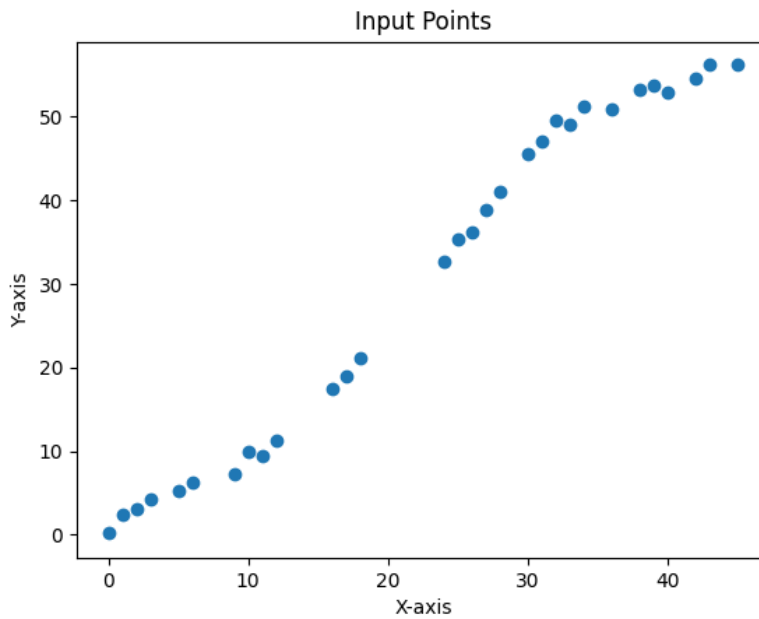Number of segments = 9
Running time (input):   2 ms
Running time (algo):   3 ms
HEAP SUMMARY:
  in use at exit: 0 bytes in 0 blocks
  total heap usage: 137 allocs, 137 frees, 110,765 bytes allocated

Input Points

Minimum Penalty (C = 1.0) is 10.4816

C = 10

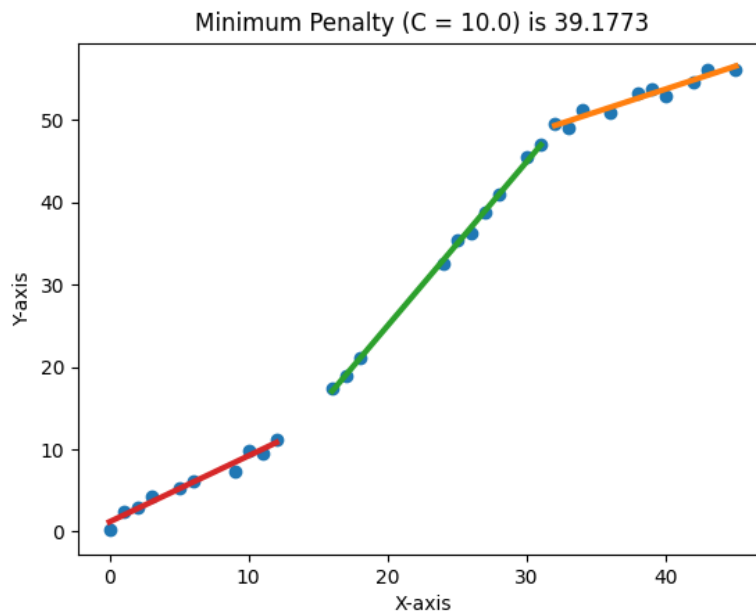Minimum Penalty = 39.1773
Number of segments = 3
Running time (input):   0 ms
Running time (algo):   3 ms
HEAP SUMMARY:
  in use at exit: 0 bytes in 0 blocks
  total heap usage: 137 allocs, 137 frees, 110,765 bytes allocated

Input Points

Minimum Penalty (C = 10.0) is 39.1773

C = 100

Minimum Penalty = 309.177
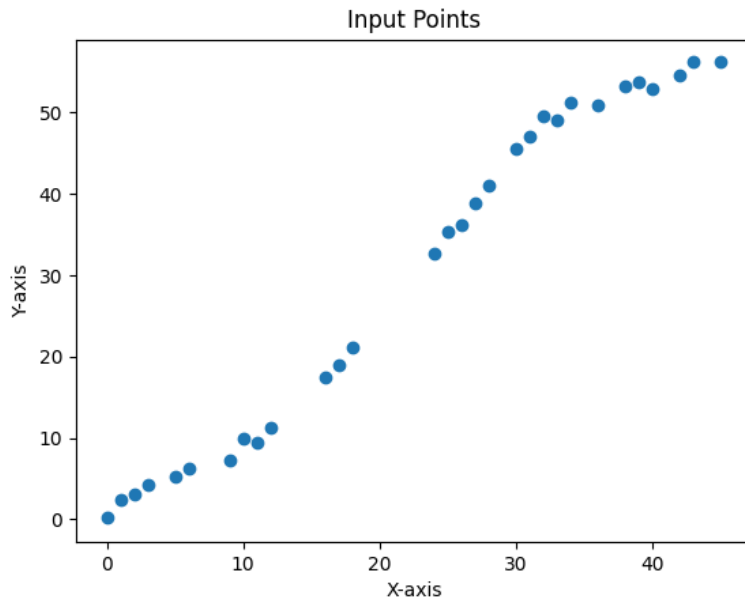Number of segments = 3
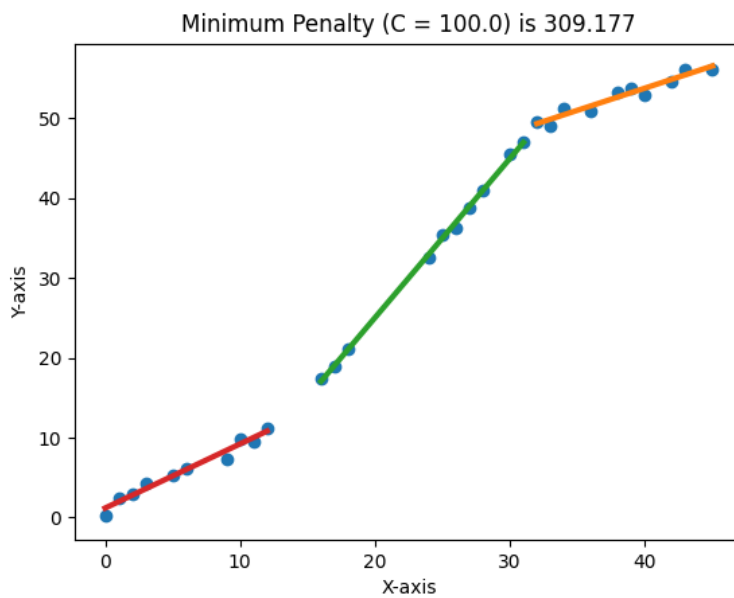Running time (input):   1 ms
Running time (algo):   3 ms
HEAP SUMMARY:
   in use at exit: 0 bytes in 0 blocks
   total heap usage: 137 allocs, 137 frees, 110,765 bytes allocated

Input Points

Minimum Penalty (C = 100.0) is 309.177

C = 180

Minimum Penalty = 483.426
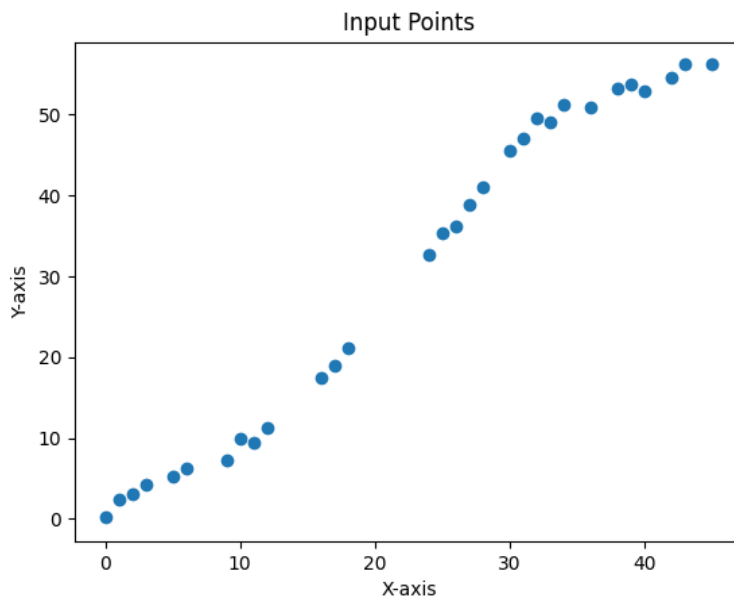Number of segments = 2
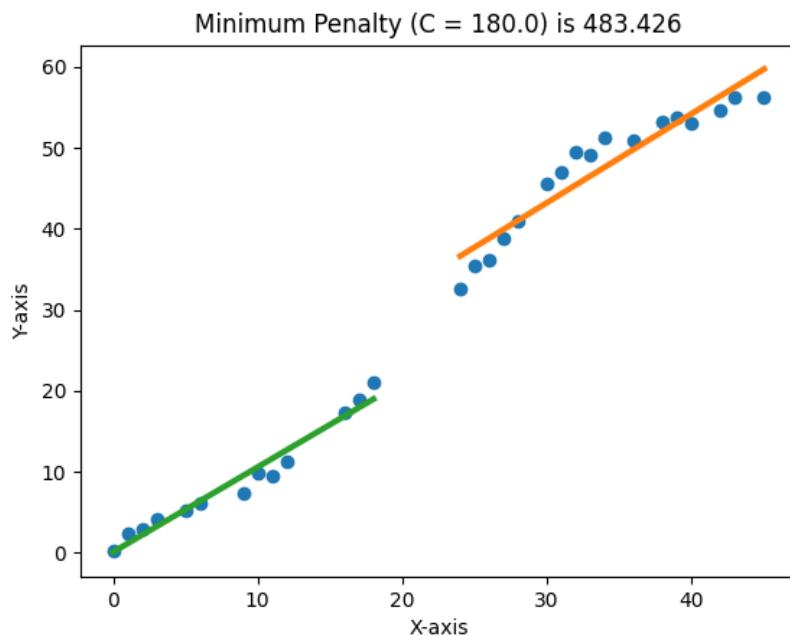Running time (input):   1 ms
Running time (algo):   4 ms
HEAP SUMMARY:
  in use at exit: 0 bytes in 0 blocks
  total heap usage: 137 allocs, 137 frees, 110,765 bytes allocated

Input Points

Minimum Penalty (C = 180.0) is 483.426

C = 500

Minimum Penalty = 804.218
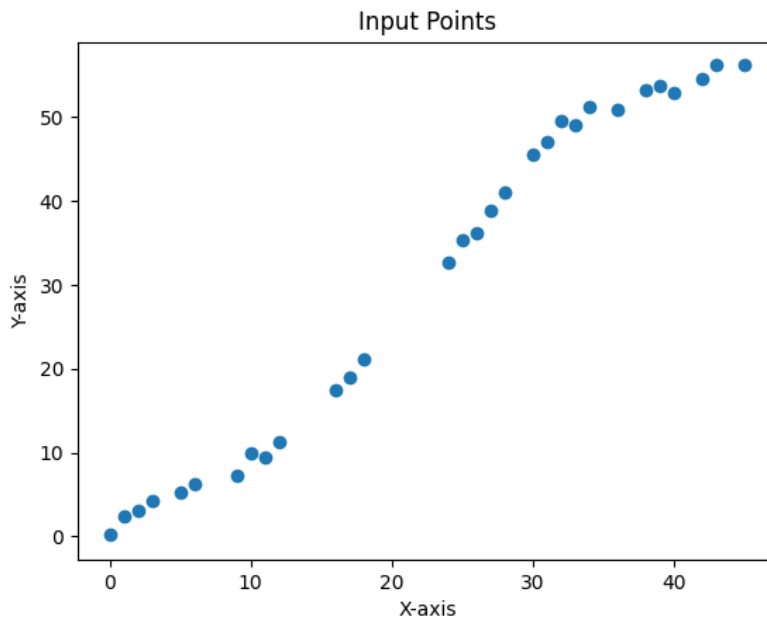Number of segments = 1
Running time (input):   1 ms
Running time (algo):   3 ms
HEAP SUMMARY:
  in use at exit: 0 bytes in 0 blocks
  total heap usage: 137 allocs, 137 frees, 110,765 bytes allocated

Input Points

Minimum Penalty (C = 500.0) is 804.218