C = 0.1

Minimum Penalty = 1.73863
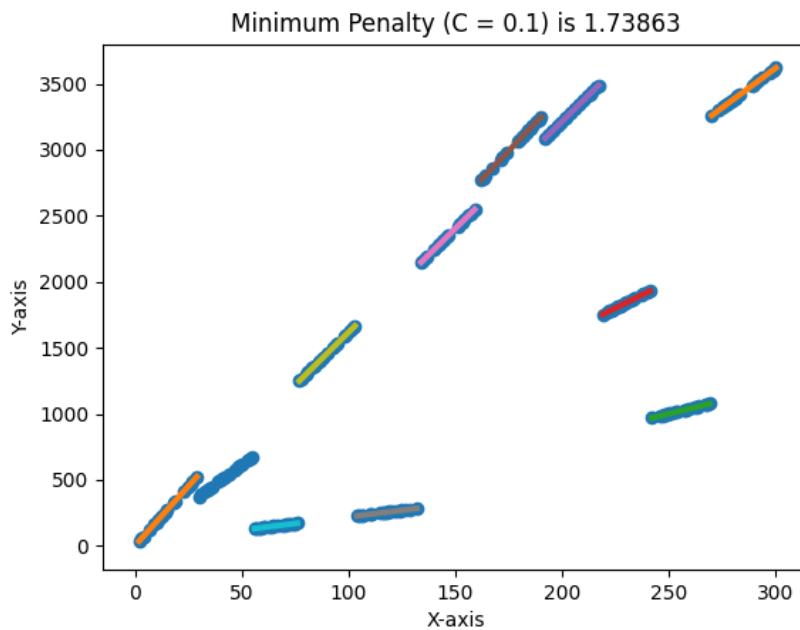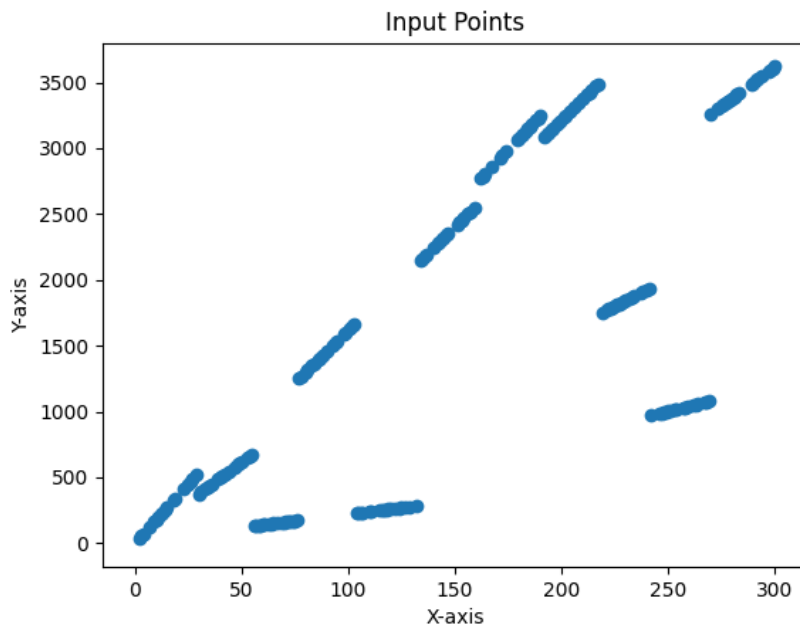Number of segments = 11
Running time (input):   6 ms
Running time (algo):   34 ms
HEAP SUMMARY:
  in use at exit: 0 bytes in 0 blocks
  total heap usage: 820 allocs, 820 frees, 1,088,633 bytes allocated

Input Points

Minimum Penalty (C = 0.1) is 1.73863

C = 10

Minimum Penalty = 110.639
Number of segments = 11
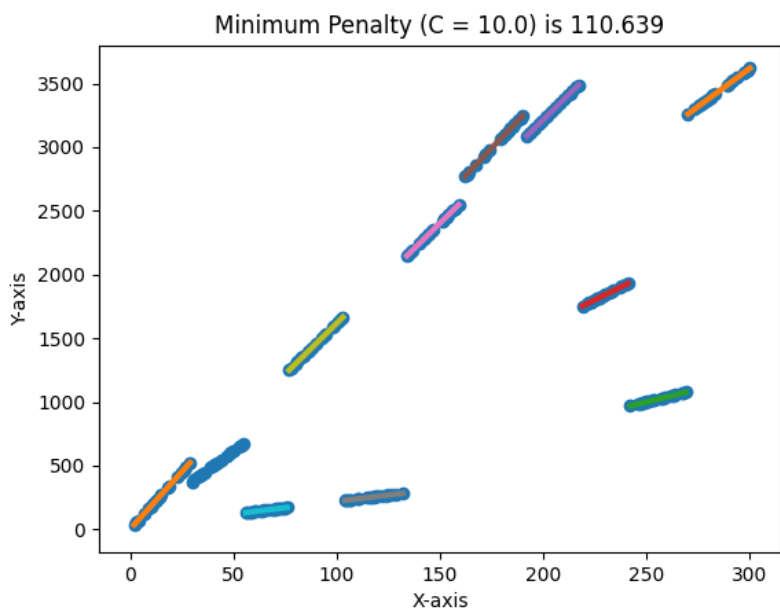Running time (input):   3 ms
Running time (algo):   30 ms
HEAP SUMMARY:
  in use at exit: 0 bytes in 0 blocks
  total heap usage: 820 allocs, 820 frees, 1,088,633 bytes allocated

Input Points

Minimum Penalty (C = 10.0) is 110.639

C = 100

Minimum Penalty = 1100.64
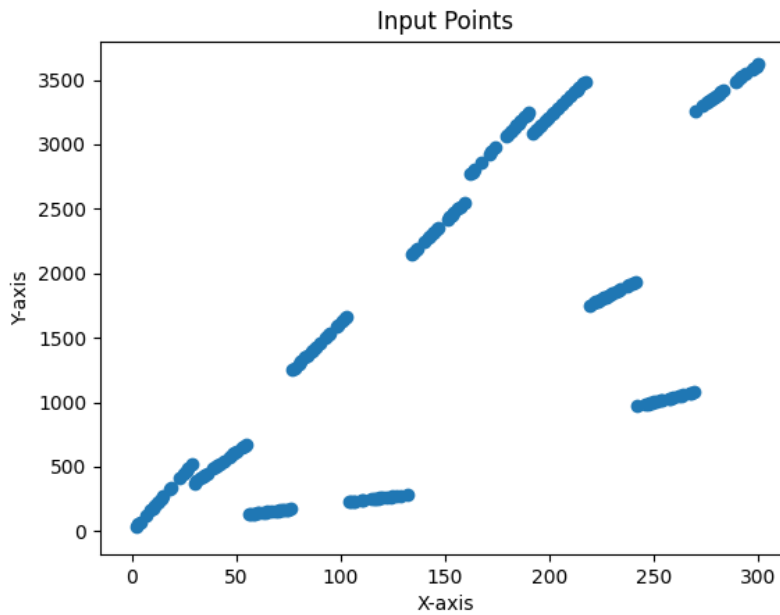Number of segments = 11
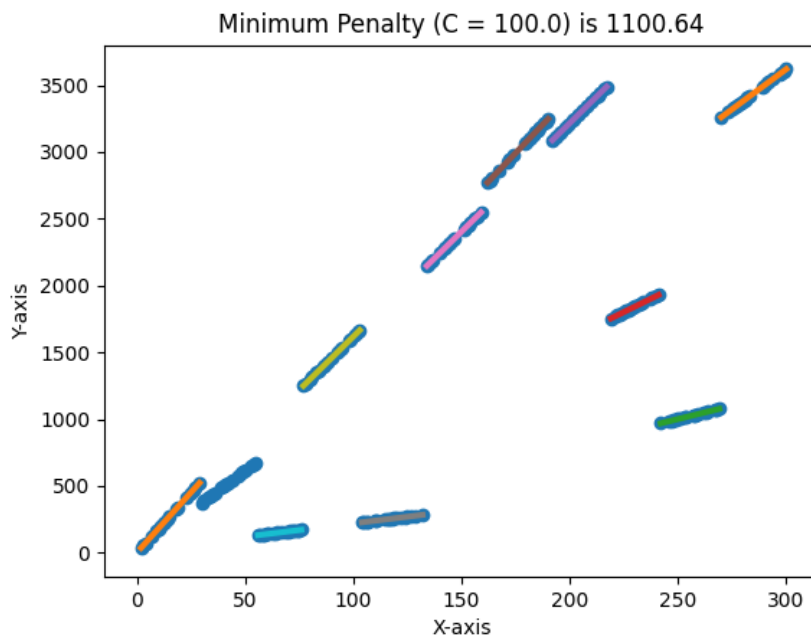Running time (input):   6 ms
Running time (algo):   34 ms
HEAP SUMMARY:
   in use at exit: 0 bytes in 0 blocks
   total heap usage: 820 allocs, 820 frees, 1,088,633 bytes allocated

Input Points

Minimum Penalty (C = 100.0) is 1100.64

C = 100000

Minimum Penalty = 1.0407e+06
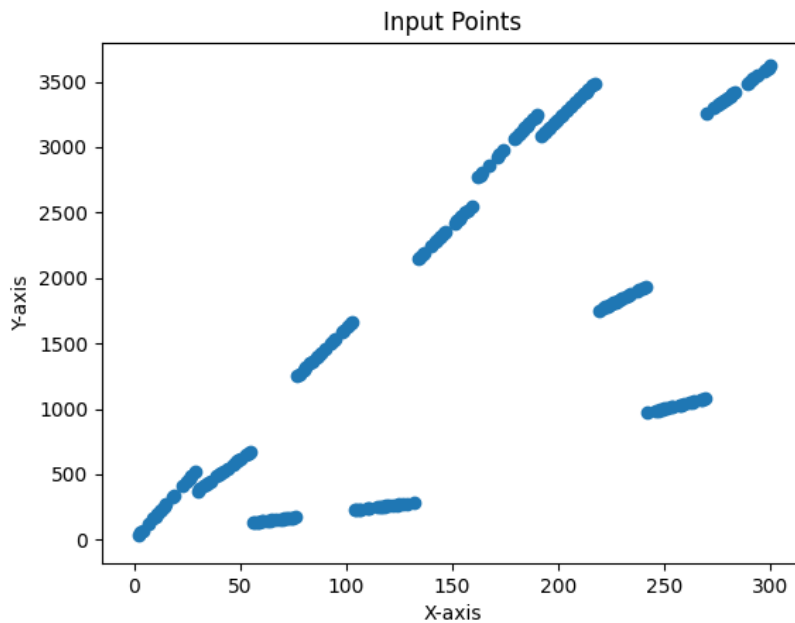Number of segments = 9
Running time (input): 4 ms
Running time (algo): 29 ms
HEAP SUMMARY:
  in use at exit: 0 bytes in 0 blocks
  total heap usage: 820 allocs, 820 frees, 1,088,633 bytes allocated

Input Points

Minimum Penalty (C = 100000.0) is 1040700.0