The Brute Force Algorithm works by taking each individual point of data and finding its distance from every other point of data using the distance equation of: where X1 is the x coordinate of an individual point and X2 is looped through every other point’s X coordinate, the same is done with Y.

T(n):

Line #:

18: loop of n

19: c1 \* n

20: n \* n

21-29: c2 \*n \*n

T(n):

O(n):