

Algorithm Problem Set 2

September 25, 2012

1. Implement the algorithm to find the closest pair of two points. Run it on the instance in the file *ClosestPairInstance.zip*. (This zip archive contains two files. *PX.txt* contains the x coordinates of $N = 1000000$ points, and *PY.txt* contains the y coordinates of the same points.)

Your deliverables are: your code. The length of a closest pair. A closest pair itself (give the coordinates of both points.)

Note 1: Your submission needs to be a single file.

Note 2: The first person to submit a correct answer will have a special prize.

Due on next Monday 10/01 before class.