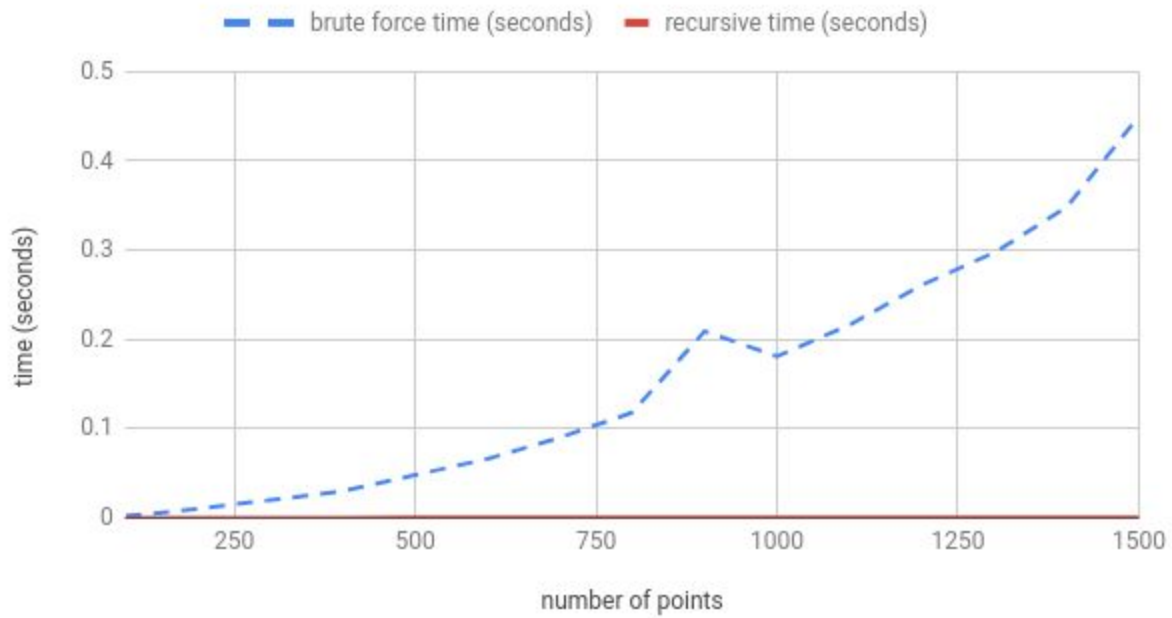


## Assignment 5

### brute force and recursive time vs number of points



number of points	brute force time (seconds)	recursive time (seconds)
100	0.002	0.000042
200	0.01	0.000068
300	0.02	0.000103
400	0.03	0.000139
500	0.048	0.000194
600	0.066	0.000205
700	0.09	0.000293
800	0.118	0.000295
900	0.209	0.000304
1000	0.181	0.000335
1100	0.216	0.000374
1200	0.261	0.000396
1300	0.297	0.000422
1400	0.348	0.000462
1500	0.45	0.000495

shortest distance between 2 points out of 30 points

