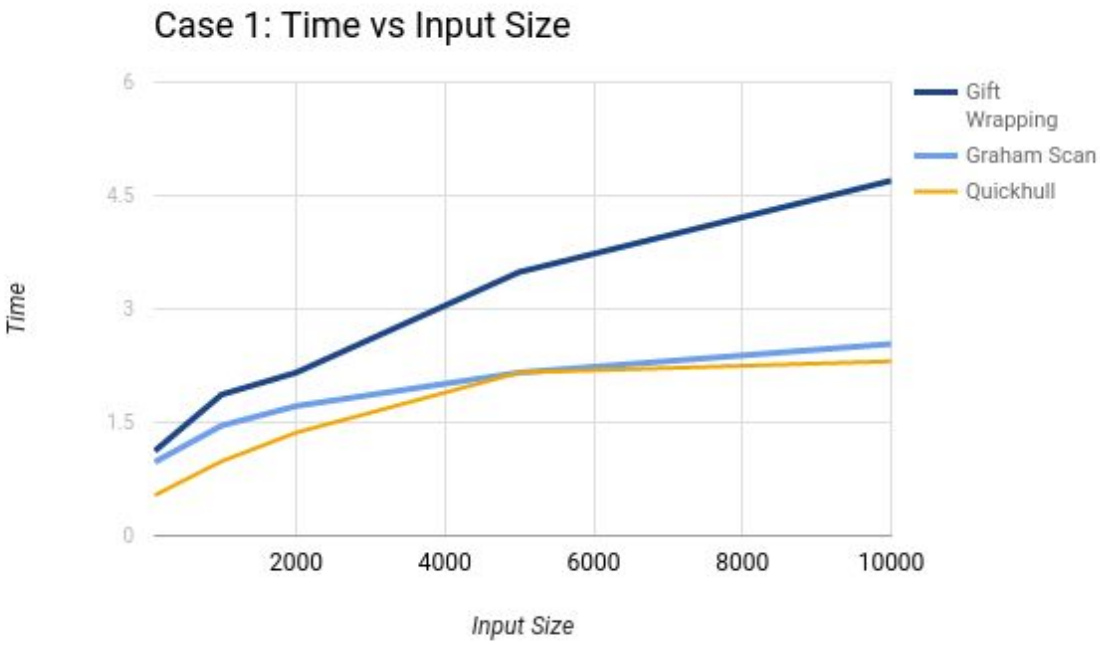
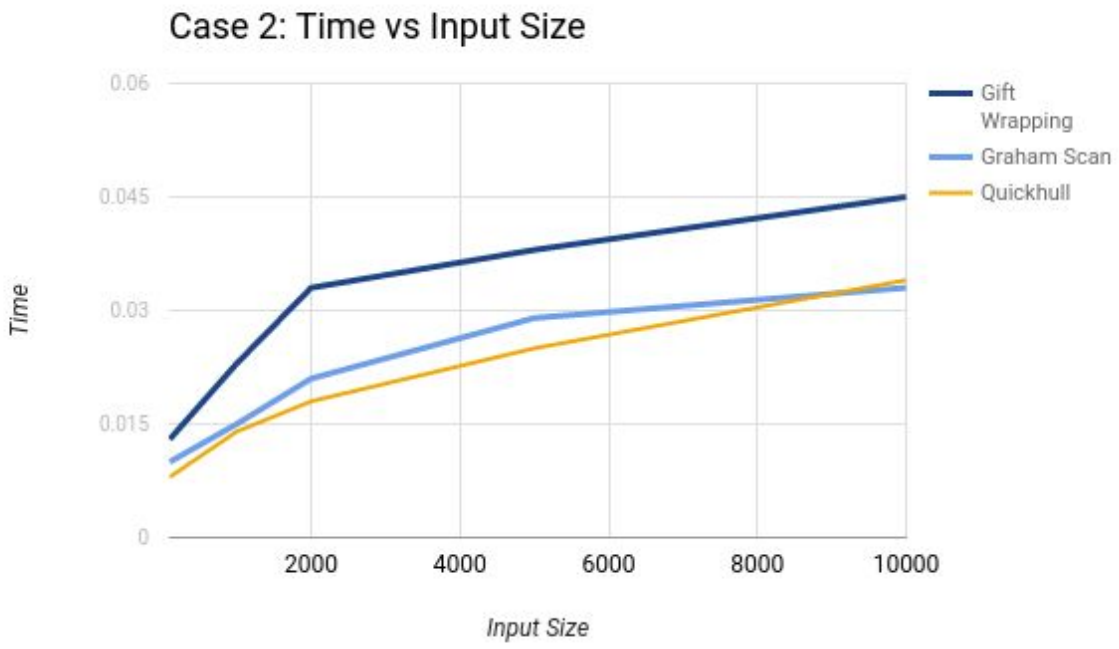
Assignment 4



Case 1: All points lie on the convex hull

Input size(n)	Gift Wrapping	Graham Scan	Quickhull
100	1.122	0.975	0.536
1000	1.868	1.458	0.986
2000	2.158	1.716	1.364
5000	3.488	2.158	2.158
10000	4.697	2.537	2.308



Case 2: No. of points lying on the convex hull ≠ n.

Input size(n)	Points on hull(h)	Gift Wrapping	Graham Scan	Quickhull
100	10	0.013	0.01	0.008
1000	18	0.023	0.015	0.014
2000	17	0.033	0.021	0.018
5000	21	0.038	0.029	0.025
10000	12	0.045	0.033	0.034