

Testcase vs execution_time

[points]	gift_wrap	graham_scan	quick_hull
100	1.3e-05	1.9e-05	3.3e-05
1000	8.5e-05	0.000436	0.000111
2000	0.000185	0.000182	0.000366
5000	0.000851	0.000631	0.000766
10000	0.001172	0.001064	0.000837

Using spoj-toolkit

Test cases on github link provided in the assignment submission

Input size is 8. The three test-cases are

8	8	8
1 0	1 0	1 0
2 0	2 0	2 0
3 1	2 1	2 1
3 2	3 2	3 2
2 3	2 3	2 3
1 3	1 3	1 3
0 2	0 2	1 2
0 1	0 1	0 1

No.of Convex	Gift Wrapping	Graham Scan	Quickhull
8	1.3e-05	5.9e-05	2e-06
7	9.3e-06	2.6e-05	3e-06
6	1.3e-05	3e-05	5e-06