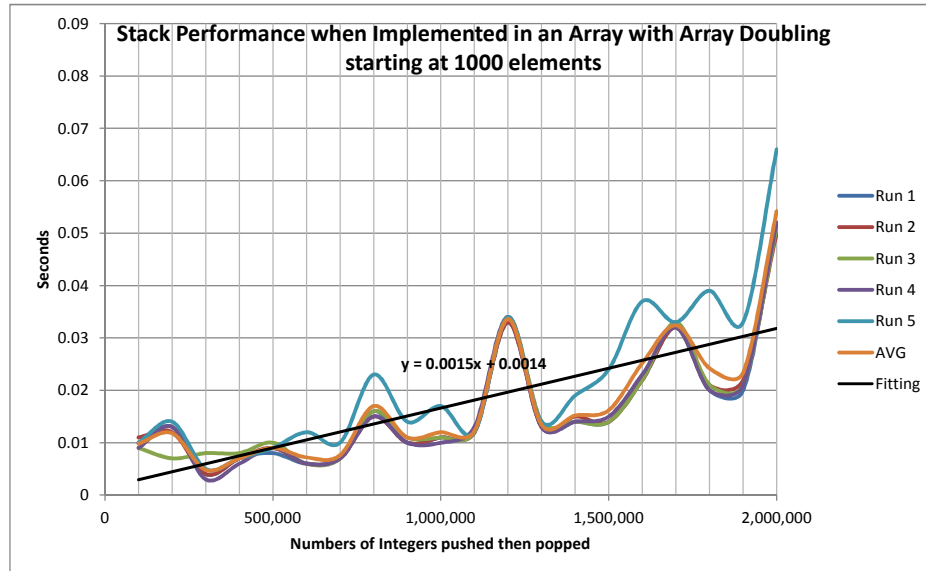


Stack A

Stack in a Array

Number of Elements	Time to Process in Seconds					AVG
	Run 1	Run 2	Run 3	Run 4	Run 5	
100,000	0.01	0.011	0.009	0.009	0.01	0.0098
200,000	0.013	0.012	0.007	0.013	0.014	0.0118
300,000	0.004	0.004	0.008	0.003	0.005	0.0048
400,000	0.007	0.007	0.008	0.006	0.007	0.007
500,000	0.008	0.009	0.01	0.009	0.009	0.009
600,000	0.006	0.006	0.006	0.006	0.012	0.0072
700,000	0.007	0.007	0.007	0.007	0.01	0.0076
800,000	0.016	0.015	0.016	0.015	0.023	0.017
900,000	0.01	0.01	0.011	0.01	0.014	0.011
1,000,000	0.011	0.011	0.011	0.01	0.017	0.012
1,100,000	0.012	0.012	0.012	0.013	0.012	0.0122
1,200,000	0.033	0.033	0.034	0.034	0.034	0.0336
1,300,000	0.013	0.013	0.014	0.013	0.014	0.0134
1,400,000	0.014	0.015	0.014	0.014	0.019	0.0152
1,500,000	0.014	0.014	0.014	0.015	0.024	0.0162
1,600,000	0.022	0.022	0.022	0.023	0.037	0.0252
1,700,000	0.032	0.032	0.033	0.032	0.033	0.0324
1,800,000	0.02	0.021	0.021	0.02	0.039	0.0242
1,900,000	0.02	0.022	0.021	0.021	0.033	0.0234
2,000,000	0.052	0.05	0.051	0.052	0.066	0.0542



Stack L

Stack in a Singly Linked List

Number of Elements	Time to Process in Seconds					AVG
	Run 1	Run 2	Run 3	Run 4	Run 5	
100,000	0.012	0.012	0.008	0.012	0.013	0.0114
200,000	0.022	0.023	0.016	0.023	0.016	0.02
300,000	0.005	0.006	0.01	0.006	0.007	0.0068
400,000	0.009	0.009	0.009	0.009	0.01	0.0092
500,000	0.052	0.053	0.053	0.053	0.052	0.0526
600,000	0.12	0.121	0.123	0.121	0.12	0.121
700,000	0.018	0.016	0.017	0.016	0.016	0.0166
800,000	0.077	0.077	0.079	0.077	0.076	0.0772
900,000	0.16	0.161	0.164	0.161	0.16	0.1612
1,000,000	0.018	0.019	0.018	0.018	0.018	0.0182
1,100,000	0.037	0.037	0.037	0.037	0.037	0.037
1,200,000	0.021	0.022	0.026	0.023	0.025	0.0234
1,300,000	0.026	0.025	0.025	0.024	0.024	0.0248
1,400,000	0.037	0.038	0.038	0.039	0.037	0.0378
1,500,000	0.027	0.027	0.027	0.027	0.028	0.0272
1,600,000	0.055	0.054	0.055	0.054	0.054	0.0544
1,700,000	0.22	0.215	0.218	0.215	0.214	0.2164
1,800,000	0.032	0.032	0.032	0.034	0.032	0.0324
1,900,000	0.035	0.035	0.035	0.037	0.036	0.0356
2,000,000	0.035	0.036	0.036	0.036	0.036	0.0358

