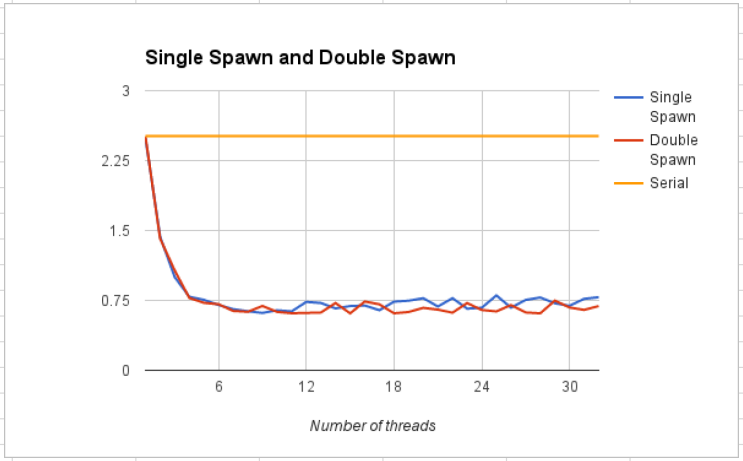
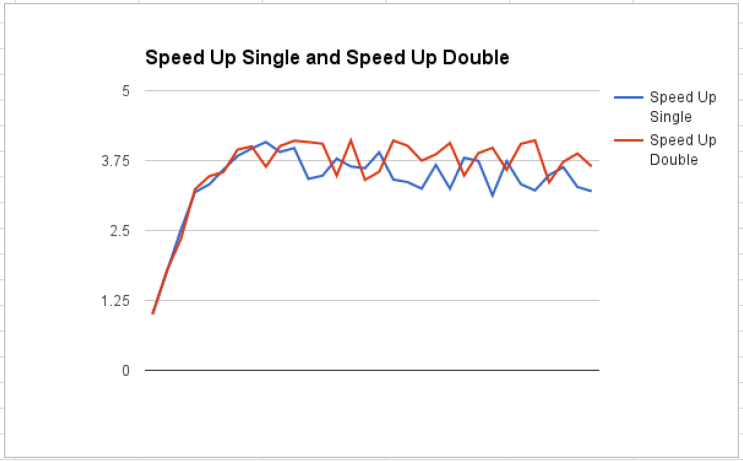
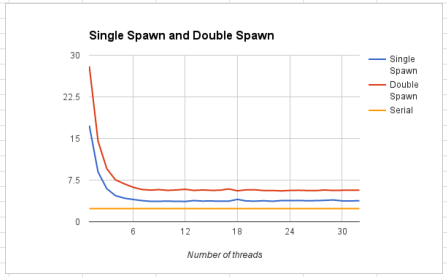
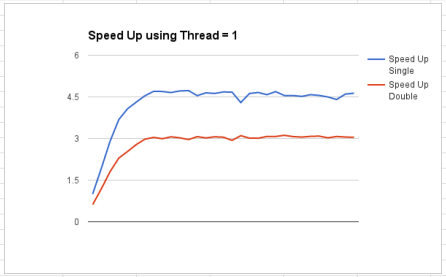
Serial Runtime	2.51265					
Number of threads	Single Spawn	Double Spawn	Serial	best possible time	Speed Up Single	Speed Up Double
1	2.48915	2.50881	2.51265	2.51265	1.009440974	1.001530606
2	1.43491	1.4141	2.51265	1.256325	1.751085434	1.776854536
3	1.00019	1.07097	2.51265	0.83755	2.512172687	2.34614415
4	0.788597	0.776163	2.51265	0.6281625	3.1862282	3.237271037
5	0.756046	0.723891	2.51265	0.50253	3.323408893	3.471033622
6	0.700839	0.708885	2.51265	0.418775	3.585202878	3.54451004
7	0.655708	0.636693	2.51265	0.35895	3.831964838	3.946407452
8	0.633366	0.627668	2.51265	0.31408125	3.967137484	4.003151348
9	0.61564	0.690334	2.51265	0.2791833333	4.081362485	3.639759884
10	0.64372	0.626632	2.51265	0.251265	3.903327534	4.009769689
11	0.632152	0.612094	2.51265	0.2284227273	3.974756071	4.105006747
12	0.733923	0.615603	2.51265	0.2093875	3.423588033	4.081607789
13	0.722108	0.620114	2.51265	0.1932807692	3.479604159	4.051916261
14	0.663736	0.721885	2.51265	0.179475	3.78561657	3.480679056
15	0.689335	0.611094	2.51265	0.16751	3.645034707	4.111724219
16	0.695322	0.737932	2.51265	0.157040625	3.613649503	3.404988536
17	0.644685	0.707849	2.51265	0.1478029412	3.897484818	3.549697746
18	0.736591	0.611593	2.51265	0.1395916667	3.411187484	4.108369455
19	0.74664	0.625632	2.51265	0.1322447368	3.365276438	4.01617884
20	0.773571	0.670251	2.51265	0.1256325	3.248118143	3.748819472
21	0.684299	0.65073	2.51265	0.11965	3.671859816	3.861278871
22	0.773707	0.618113	2.51265	0.1142113636	3.247547198	4.065033416
23	0.66126	0.721418	2.51265	0.1092456522	3.799791308	3.482932225
24	0.670791	0.647221	2.51265	0.10469375	3.745801598	3.88221334
25	0.803639	0.631679	2.51265	0.100506	3.126590422	3.977732361
26	0.671758	0.700334	2.51265	0.09664038462	3.740409493	3.587788113
27	0.754851	0.620643	2.51265	0.09306111111	3.328670161	4.048462643
28	0.781172	0.611125	2.51265	0.0897375	3.216513137	4.111515647
29	0.719523	0.74796	2.51265	0.08664310345	3.492105186	3.359337398
30	0.691853	0.673761	2.51265	0.083755	3.631768598	3.729289763
31	0.766576	0.648222	2.51265	0.08105322581	3.277757196	3.876218333
32	0.784427	0.689296	2.51265	0.0785203125	3.203166133	3.645240941

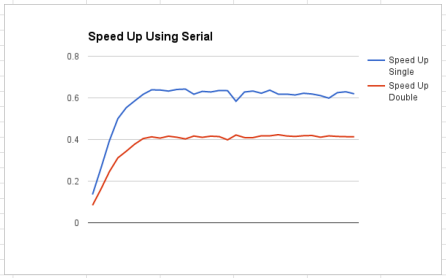


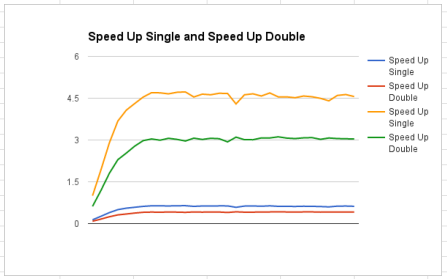


Serial	2.35375									
				Using actual Serial			Using Thread = 1			
Number of thre	Single Spawn	Double Spawn	Serial	best possible ti	Speed Up Singl	Speed Up Double	best possible ti	Speed Up Singl	Speed Up Double	
1	17.323	28.0173	2.35375	2.35375	0.1358742712	0.08401059345	17.323	1	0.6182965525	
2	8.97145	14.5471	2.35375	1.176875	0.2623600421	0.1618020086	8.6615	1.930903031	1.190821538	
3	5.9699	9.58063	2.35375	0.7845833333	0.3942695858	0.2456779982	5.774333333	2.901723647	1.80812744	
4	4.70608	7.55123	2.35375	0.5884375	0.5001508687	0.3117041859	4.33075	3.680982899	2.294063351	
5	4.25509	6.84746	2.35375	0.47075	0.5531610377	0.3437405987	3.4646	4.07112423	2.529843183	
6	4.01949	6.23058	2.35375	0.3922916667	0.5855842408	0.3777738188	2.887166667	4.30975074	2.780319007	
7	3.81465	5.81867	2.35375	0.33625	0.6170290852	0.4045168398	2.474714286	4.541176779	2.977140824	
8	3.6863	5.70216	2.35375	0.29421875	0.638512872	0.4127821738	2.165375	4.699291973	3.037971576	
9	3.69116	5.78839	2.35375	0.2615277778	0.6376721681	0.4066329325	1.924777778	4.693104607	2.992714727	
10	3.7209	5.65925	2.35375	0.235375	0.6325754522	0.4159120025	1.7323	4.655594077	3.061006317	
11	3.67528	5.73024	2.35375	0.2139772727	0.640427396	0.4107594097	1.574818182	4.713382382	3.023084548	
12	3.66525	5.84655	2.35375	0.1961458333	0.6421799332	0.402587851	1.443583333	4.726280608	2.962943958	
13	3.81214	5.65003	2.35375	0.1810576923	0.6174353513	0.4165907084	1.332538462	4.544166793	3.066001419	
14	3.72892	5.73511	2.35375	0.168125	0.6312149362	0.4104106111	1.237357143	4.645581026	3.020517479	
15	3.74646	5.65918	2.35375	0.1569166667	0.6282597439	0.415917147	1.154866667	4.623831564	3.06104418	
16	3.70435	5.68462	2.35375	0.147109375	0.6354016224	0.4140558208	1.0826875	4.676393969	3.047345293	
17	3.70937	5.90821	2.35375	0.1384558824	0.6345417146	0.3983863133	1.019	4.670065267	2.932021712	
18	4.03373	5.58353	2.35375	0.1307638889	0.583516993	0.4215523155	0.9623888889	4.294536322	3.102517583	
19	3.74748	5.7518	2.35375	0.1238815789	0.6280887423	0.4092197225	0.9117368421	4.622573036	3.011752843	
20	3.71922	5.7558	2.35375	0.1176875	0.6328611913	0.4089353348	0.86615	4.657697044	3.009659821	
21	3.78323	5.63448	2.35375	0.1120833333	0.6221535566	0.4177404126	0.8249047619	4.578891582	3.07446295	
22	3.69483	5.63749	2.35375	0.1069886364	0.6370387812	0.4175173703	0.7874090909	4.688443041	3.072821415	
23	3.80884	5.56354	2.35375	0.1023369565	0.6179703007	0.4230669682	0.753173913	4.548103885	3.113665041	
24	3.80902	5.64501	2.35375	0.09807291667	0.6179410977	0.4169611746	0.7217916667	4.547888958	3.068727956	
25	3.83445	5.6776	2.35375	0.09415	0.613842924	0.4145677751	0.69292	4.517727445	3.051113146	
26	3.78357	5.62997	2.35375	0.09052884615	0.6220976485	0.4180750519	0.6662692308	4.578480113	3.07692581	
27	3.80532	5.61443	2.35375	0.08717592593	0.618541936	0.4192322284	0.6415925926	4.552310975	3.085442333	
28	3.8531	5.72723	2.35375	0.0840625	0.6108717656	0.4109752882	0.6186785714	4.495860476	3.024673359	
29	3.93201	5.639	2.35375	0.0811637931	0.5986124145	0.4174055684	0.5973448276	4.405634777	3.071998581	
30	3.76637	5.67609	2.35375	0.07845833333	0.6249386014	0.4146780618	0.5774333333	4.599388801	3.051924829	
31	3.74005	5.69063	2.35375	0.07592741935	0.6293365062	0.4136185273	0.5588064516	4.63175626	3.044126924	
32	3.7993	5.70096	2.35375	0.0735546875	0.6195220172	0.4128690606	0.54134375	4.559524123	3.038611041	









Serial	0.0000001											
						Using actual Serial				Using Thread = 1		
Number of thre	Spawn every eleme	Single Spawn	Double Spawn	Serial		best possible ti	Speed Up Singl	Speed Up Double		best possible ti	Speed Up Singl	Speed Up Doub
1	0.000975	0.000001										
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
32												