Matrix C++

Matrix Size	Native Time (ns)	Docker Time (ns)	% Diff
64	5.93887E+05	1.30305E+06	74.769%
128	3.69141E+06	5.70115E+06	42.794%
192	1.14748E+07	1.6487E+07	35.850%
256	3.22214E+07	3.58328E+07	10.613%
320	5.79917E+07	6.82875E+07	16.306%
384	1.06208E+08	1.1676E+08	9.465%
448	1.89209E+08	1.8947E+08	0.138%
512	2.79719E+08	2.81729E+08	0.716%
576	3.88647E+08	3.96058E+08	1.889%
640	5.29832E+08	5.44832E+08	2.792%
704	7.54682E+08	7.3359E+08	-2.834%
768	9.24061E+08	9.59857E+08	3.800%
832	1.14222E+09	1.19439E+09	4.465%
896	1.43006E+09	1.50035E+09	4.797%
960	1.87819E+09	1.96904E+09	4.723%
1024	2.3375E+09	2.33915E+09	0.071%
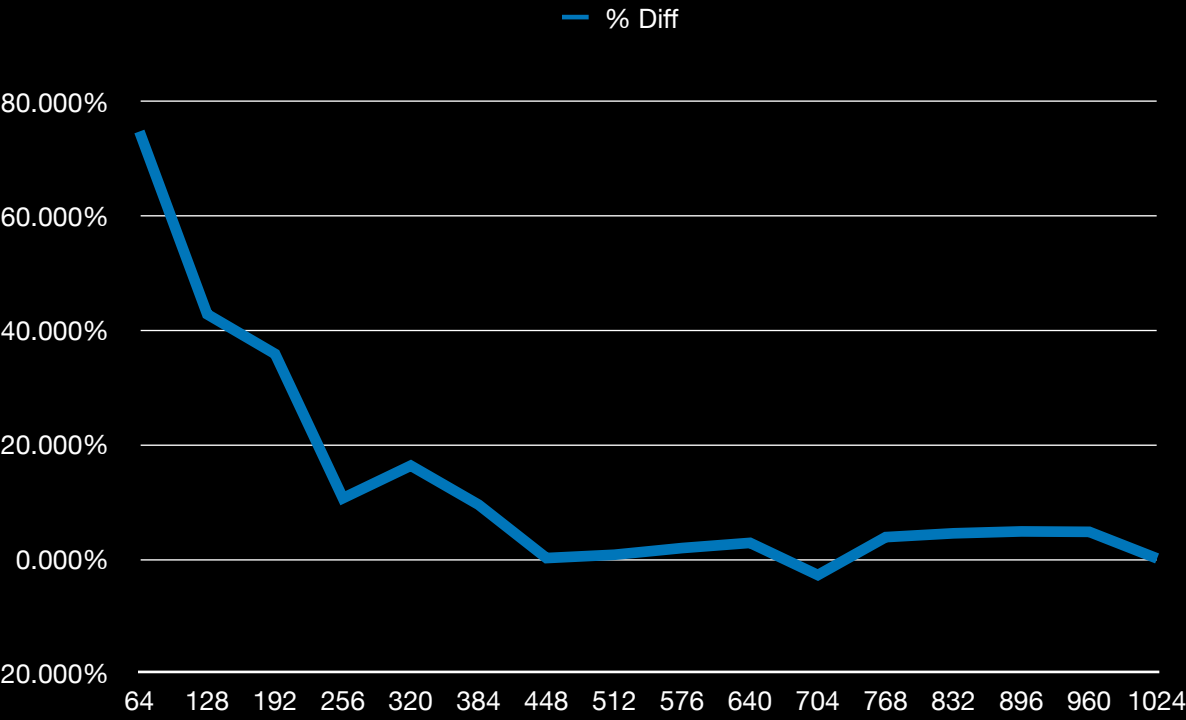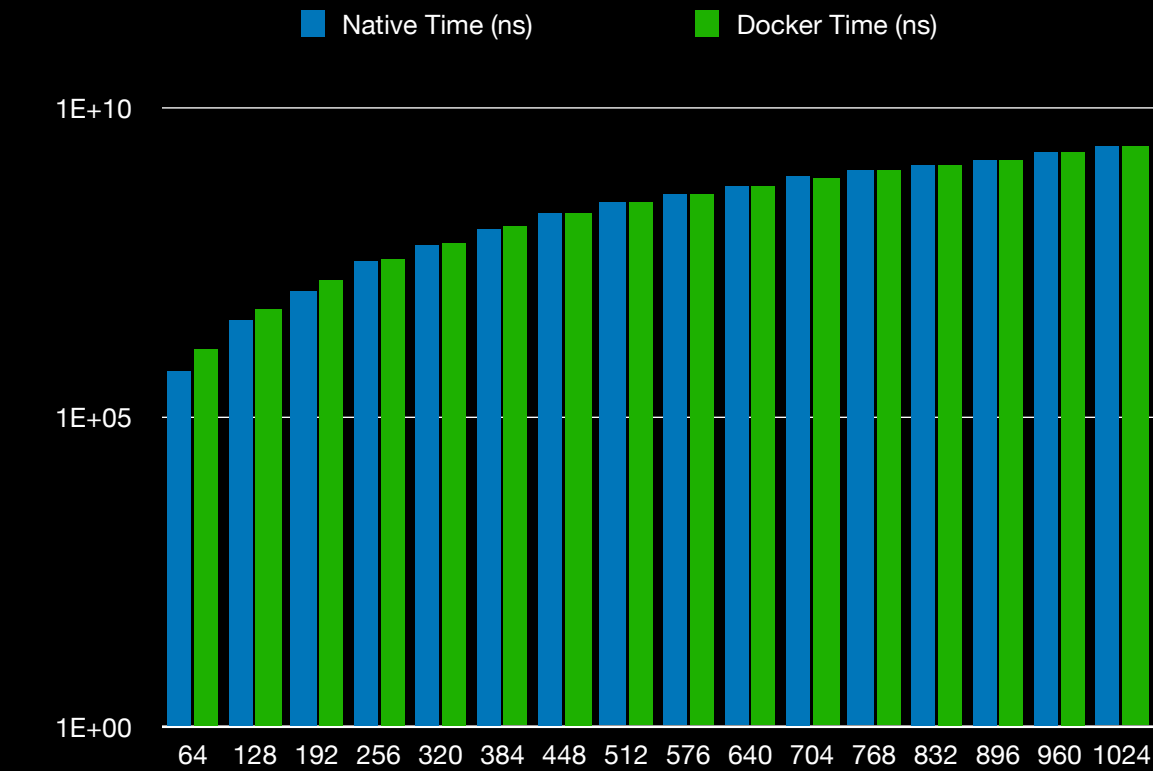
Matrix Go

Matrix Size	Native Time (ns)	Docker Time (ns)	% Diff
8	3560	3888	8.808%
16	6659	9308	33.181%
32	30268	34584	13.310%
64	204212	264077	25.568%
128	1583716	1937134	20.076%
256	10036674	16696236	49.823%
512	45226030	135888446	100.116%
1024	246249839	893961440	113.613%
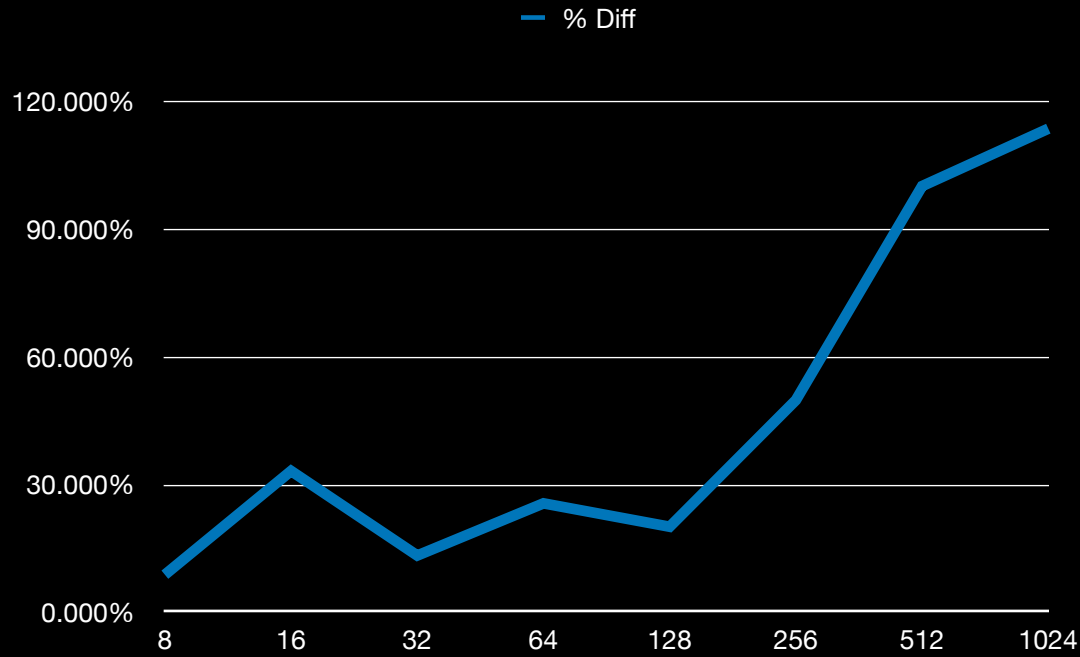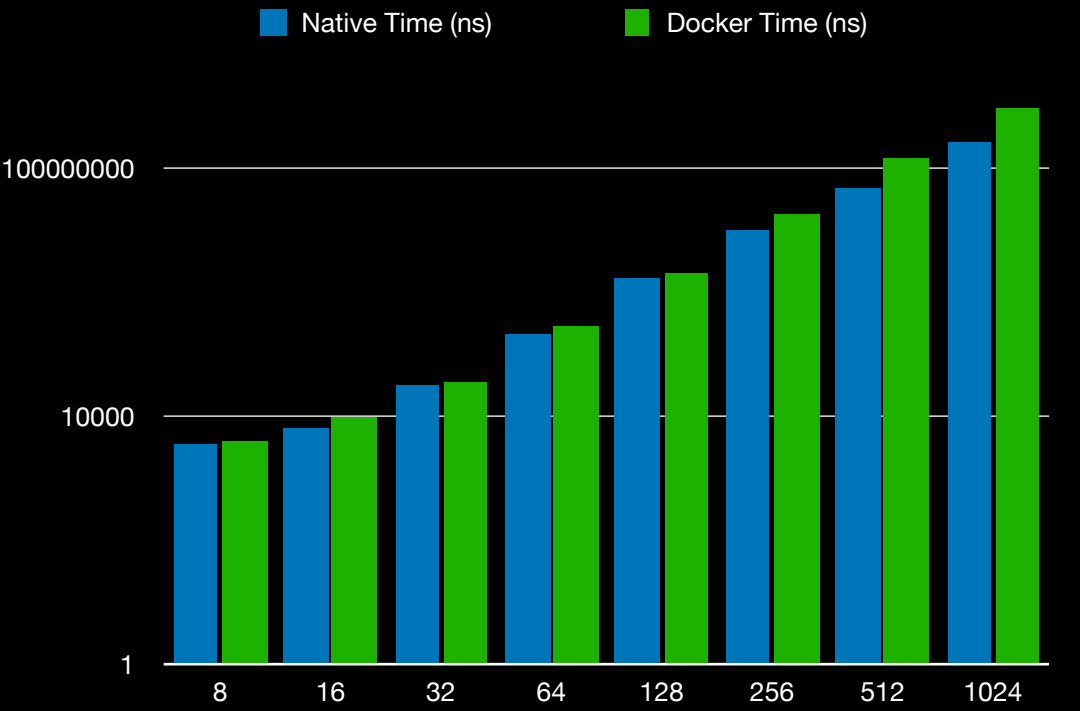
Merge C++

Array Size	Native Time (ns)	Docker Time (ns)	% Diff
4096	5.86836E+05	4.18914E+06	150.851%
16384	2.50952E+06	2.20727E+07	159.165%
65536	9.49744E+06	1.03792E+08	166.467%
262144	4.41005E+07	4.32152E+08	162.960%
1048576	1.74261E+08	1.53399E+09	159.195%
4194304	7.42514E+08	5.96653E+09	155.731%
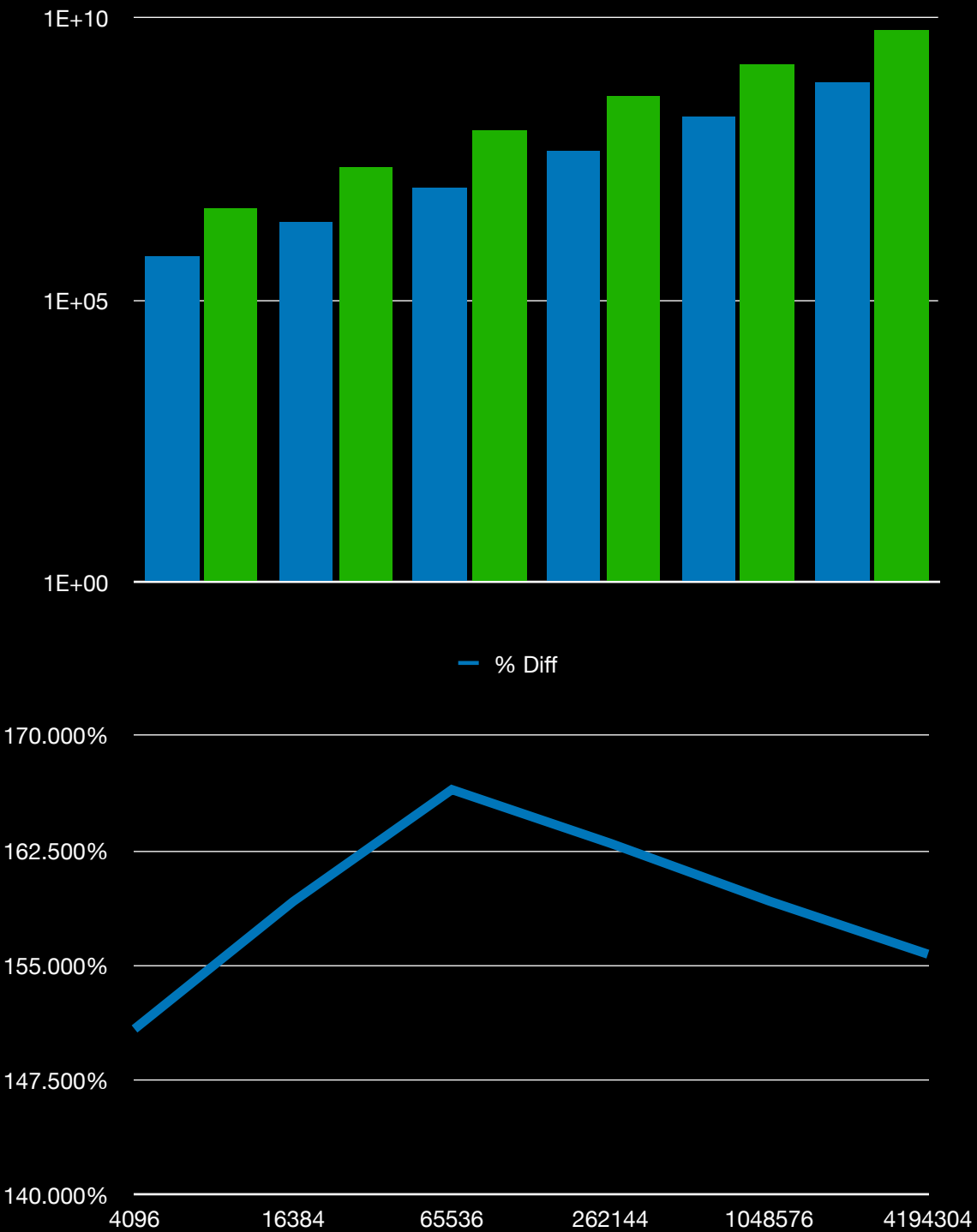
Merge Go

Array Size	Local Time (ns)	Docker Time (ns)	% Diff
4096	216285	568616	89.777%
8192	475380	995522	70.724%
16384	957272	1912673	66.580%
32768	1801430	3225288	56.652%
65536	3302409	4527323	31.289%
131072	5948333	8124926	30.932%
262144	11416045	11404206	-0.104%
524288	22634101	29932257	27.767%
1048576	42340675	58014530	31.237%
2097152	100607079	128920640	24.671%
4194304	172615741	201470793	15.427%
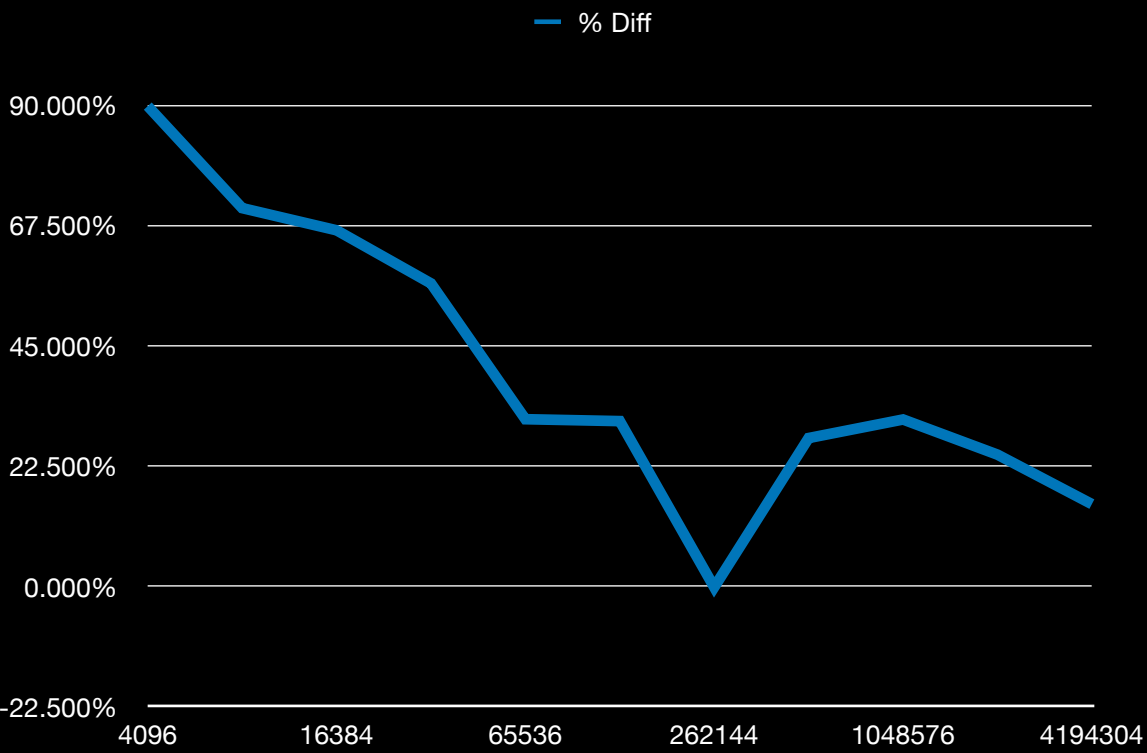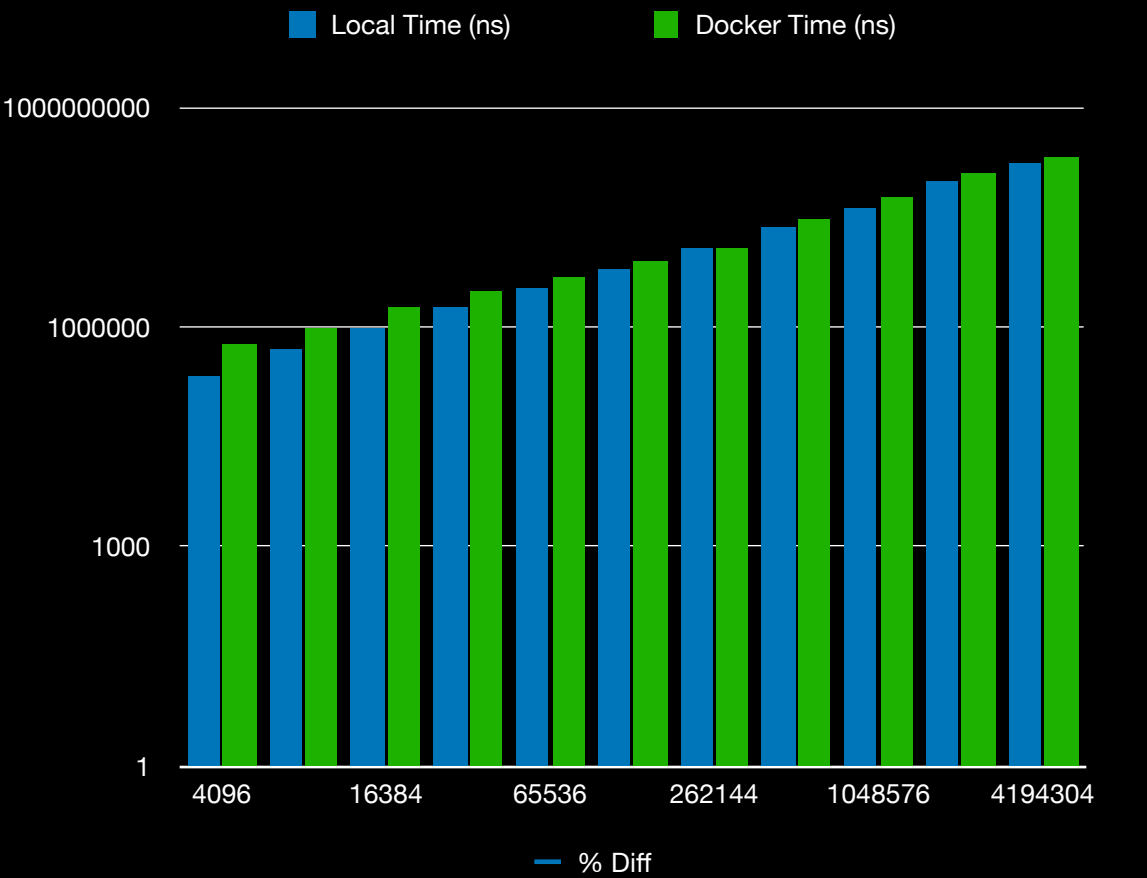
Pi C++

Points Used	Local Time (ns)	Docker Time (ns)	% Diff
655360	2.35537E+06	4.86928E+06	69.593%
1048576	3.59452E+06	7.68557E+06	72.536%
2097152	7.78153E+06	1.52876E+07	65.075%
4194304	1.50336E+07	2.99066E+07	66.190%
8388608	3.15892E+07	5.93186E+07	61.006%
16777216	6.15711E+07	1.17779E+08	62.680%
33554432	1.26157E+08	2.38094E+08	61.461%
67108864	2.4852E+08	4.81728E+08	63.871%
134217728	4.84865E+08	9.59334E+08	65.707%
167772160	5.9912E+08	1.19446E+09	66.386%
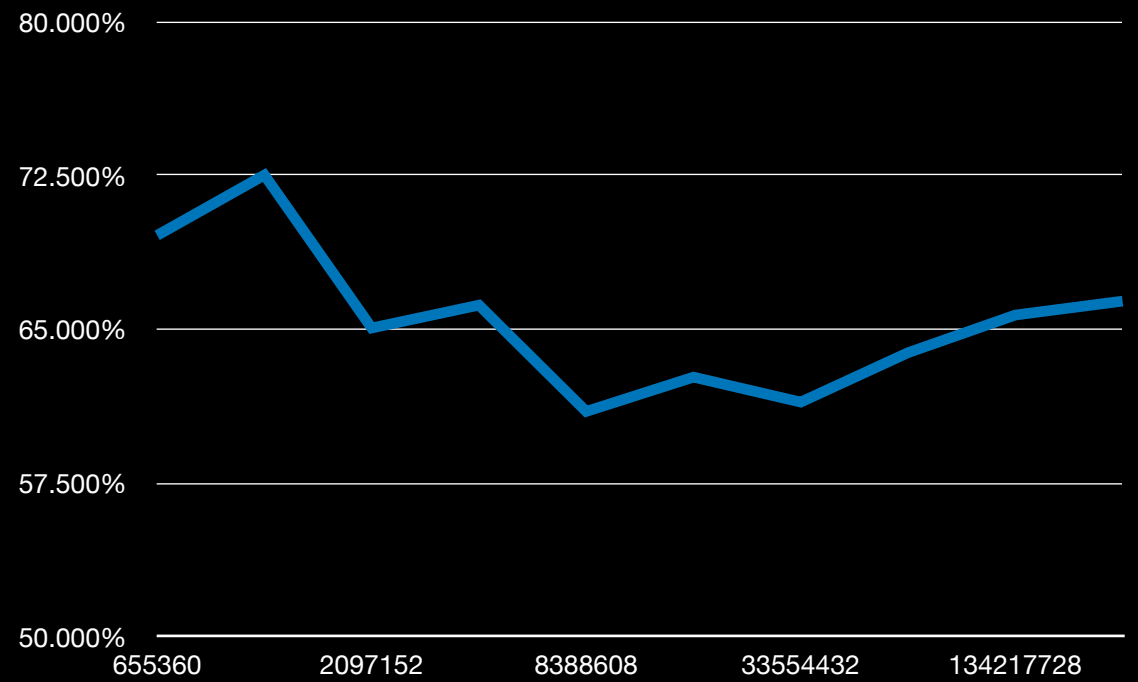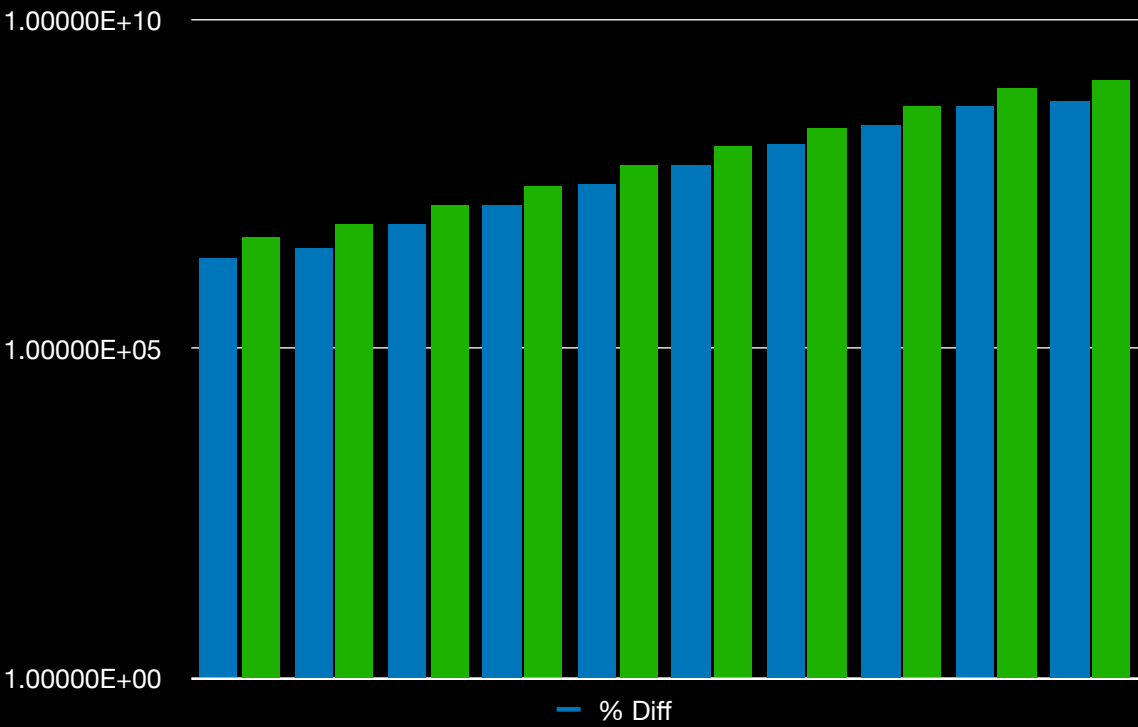
Pi Go

Points Used	Local Time (ns)	Docker Time (ns)	% Diff
655360	67480830	71723874	6.096%
1048576	134941973	143972245	6.475%
2097152	270303517	287823891	6.278%
4194304	542728731	583163498	7.183%
8388608	1079453959	1162711812	7.427%
16777216	2168803521	2344619173	7.791%
33554432	4350934850	4699459190	7.702%
67108864	8694611539	9393659830	7.729%
134217728	17389007891	18688943104	7.206%