

Data for N = 2^30							
<b>Debug</b>		<b>Release</b>					
<b>C (in ms)</b>	<b>Assembly (in ms)</b>	<b>C (in ms)</b>	<b>Assembly (in ms)</b>		<b>Average (in ms)</b>	<b>Debug</b>	<b>Release</b>
60614	5974	58986	3885		<b>C</b>	59999.73333	53279.73333
59318	7021	54810	2594		<b>Assembly</b>	5253.7	3014.533333
59841	4644	52817	3666				
60963	4684	52484	2554				
55078	7470	58396	2661				
56948	4164	54852	2528				
59898	6962	52268	3299				
60125	4837	52920	4075				
63680	5459	48843	3102				
57619	6499	55566	3064				
61154	4703	55845	2932				
60514	5643	50484	3018				
61620	5448	51577	2613				
61772	5091	55299	3747				
61995	4811	49574	3519				
66796	6406	50052	2566				
56193	6325	54257	2559				
62349	4130	54810	2771				
61765	4719	56860	3427				
55010	5420	51366	3668				
60314	4407	49553	2575				
52719	5306	52525	2688				
59515	4887	52347	2973				
60970	5195	53819	3732				
60385	4030	57391	2805				
59304	5082	54380	2647				
61290	5071	48947	2602				
61409	5236	44795	2593				
61609	4146	53775	2638				
59225	3841	58794	2935				

Data for N = 2^24						
Debug		Release				
C (in ms)	Assembly (in ms)	C (in ms)	Assembly (in ms)	Average (in ms)	Debug	Release
40	49	29	49	C	44.93333333	31.16666667
45	55	28	51	Assembly	47.83333333	55.9
49	50	28	53			
43	48	27	49			
41	45	38	63			
44	52	27	57			
44	54	27	49			
45	44	32	49			
45	48	34	58			
49	49	32	47			
41	54	42	58			
52	48	25	46			
46	52	30	64			
48	42	27	58			
45	47	26	56			
41	48	38	53			
44	46	21	63			
56	46	31	63			
42	50	44	60			
41	44	23	48			
41	47	33	59			
47	45	34	62			
43	46	28	62			
44	43	35	53			
44	46	27	60			
48	50	32	62			
49	50	36	62			
40	43	34	52			
50	49	28	51			
41	45	39	60			

Data for N = 2^20						
Debug		Release				
C (in ms)	Assembly (in ms)	C (in ms)	Assembly (in ms)	Average (in ms)	Debug	Release
5	5	2	4	C	3.666666667	2.133333333
3	3	2	3	Assembly	3.8	3.466666667
5	5	2	3			
3	4	2	3			
2	4	2	3			
4	4	2	3			
3	3	2	4			
4	6	2	3			
4	4	1	4			
6	5	2	3			
3	3	2	3			
5	4	3	4			
3	3	2	5			
4	5	3	4			
4	4	2	3			
3	4	2	4			
3	3	4	3			
4	4	2	3			
4	3	2	3			
3	4	2	3			
3	3	3	4			
3	4	3	3			
3	3	2	3			
3	3	2	4			
5	3	2	4			
4	4	2	3			
4	5	1	4			
3	3	2	4			
4	3	2	4			
3	3	2	3			