input size 2000	num B threads 2	num blocks dev id	optimization 0	test1 1 0 4.982144		5.031936	4.975712		4.9888384									
20000	2	1		0 45.466686	45.51939	45.464127	45.465218	45.465378	45.4761598									
200000	2	1 1	0 (	0 451.795563	451.847382	451.849792	451.877777	451.849396	451.843982									
2000000	2	1		0 4515.958984		4515.991211	4515.953125	4515.991211	4515.976269									
2000	4	1 1	-	0 2.546272 0 23.102432	2.546624 23.102304	2.546688 23.102688	2.546336 23.157057	2.546944	2.5465728 23.113325									
200000	4	1		0 226.683136	226.681122	226.734909	226.681625		226.6924194									
2000000	4	1	0 (	0 2264.015381	2263.985596	2263.984375	2264.02124	2263.986084	2263.998535									
2000	8	1		1.623616	1.622752	1.624192	1.622848	1.622944	1.6232704									
20000	8	1		0 12.4176	12.421728	12.416416	12.416288	12.416032	12.4176128									
200000	8	1 1	0 0	0 119.13501 0 1188.552612	119.188927 1188.518677	119.130882 1188.520386	119.132317 1188.523315	119.133087 1188.524536	119.1440446 1188.527905									
2000	16			0 1.224704	1.225792	1.225824	1.226368	1.224992	1.225536									
20000	16		0 0		6.792736	6.794272	6.793728	6.792864	6.7933056									
200000	16			0 64.670654	64.754402	64.673859	64.726463	64.754684	64.7160124									
2000000	16			0 645.681152	645.6828	645.682068	645.687317	645.687866	645.6842406									
2000	2	10	0 (	0 0.626336 0 5.172576	0.62688 5.171936	0.626112	0.626528 5.172416	0.6272 5.171648	0.6266112 5.1721856									
20000	2		0 0	0 5.172576	47.894402	5.172352 47.895199	47.894241	47.894623	47.905613									
2000000	2			0 481.10495	481.100586	481.101257	481.131714	481.108673	481.109436									
2000		10		0.653024	0.653888	0.653984	0.653472	0.653824	0.6536384									
20000	4	10		0 2.812096	2.810048	2.809824	2.809568	2.810304	2.810368									
200000	4	10		24.903872	24.903488	24.959232	24.903936	24.905151	24.9151358									
2000000	4	10	0 0	0 249.58519 0 0.66496	249.532349 0.665504	249.532761 0.665248	249.583801 0.665984	249.583588 0.665568	249.5635378 0.6654528									-
2000	8			0.66496	1.746656	1.7472	1.735232	1.74688	0.6654528 1.7445248									
200000	8			0 13.075136	13.07392	13.075296	13.074848	13.074272	13.0746944									
2000000	8			130.162048	130.159302	130.160324	130.161957	130.1633	130.1613862									
2000	16			0.700512	0.695648	0.695968	0.695616	0.694912	0.6965312									
20000	16		0 (		1.291392	1.290368	1.28944	1.294976	1.302368				-					
200000	16 16			7.248544 0 68.964798	7.161312 68.967392	7.161952 68.96582	7.161408 68.965439	7.161664 68.968414	7.178976 68.9663726									
2000000	2			0 0.64768	0.64832	0.648832	0.644608	0.64768	0.647424									
20000	2	100	0 (	0 1.777856	1.776928	1.776832	1.777312	1.776288	1.7770432									
200000	2		0 (		14.372128	14.37312	14.370176	14.373568	14.3723072									
2000000	2			144.197952	144.19696	144.199265	144.191589	144.189407	144.1950346									
2000	4	100	0 0	0 0.677728	0.678592 1.263392	0.6744 1.264224	0.677984 1.263392	0.677248 1.262464	0.6771904 1.2634944									
20000	4	100		0 7.762528	7.792224	7.775776	7.77728	7.759872	7.773536	-								
2000000	4			77.959969	78.973763	78.970207	79.029732	78.965279	78.77979									
2000	8	100		0.708736	0.708	0.70736	0.708896	0.708544	0.7083072									
20000	8	100	0 (	0.76848	0.768896	0.769024	0.769408	0.768512	0.768864									
200000	8			5.827072	5.827808	5.828832	5.828608	5.827776	5.8280192									
2000000 2000	16	100	0 0	0 55.948032 0 0.761408	55.839935 0.761984	55.841377 0.761504	55.840862 0.76144	55.840191 0.76112	55.8620794 0.7614912									
20000	16			0.986944	0.987808	0.987072	0.987744	0.987712	0.987456									
200000	16		0 (	0 6.040512	6.0408	6.040704	6.041344	6.041856	6.0410432									
2000000	16			53.891968	53.948734	53.890656	53.892097	53.950272	53.9147454									
2000	2		0 (		0.690368	0.690816	0.690272	0.692064	0.6908288									
20000	2	300	0 0	0 1.819552 0 12.48704	1.819584 12.409408	1.820064 12.408896	1.821024 12.461408	1.822464	1.8205376 12.434944									
2000000	2			0 114.896416	115.378403	115.340927	115.430397	115.348129	115.2788544									
2000	4	300	0 (	0.720192	0.721376	0.719328	0.720224	0.720384	0.7203008									
20000	4	300	0 (	0 1.32448	1.32432	1.323872	1.324896	1.325792	1.324672									
200000	4	300	0 0	6.88864	6.66864	6.677888	6.69936	6.668256	6.7205568				-	-				
2000000	4	300		0 60.828415	60.751457 0.703872	60.473698 0.703776	60.21072 0.703872	60.121857 0.704608	60.4772294 0.7041664									
2000	8	300		0.704704	1.16416	1.165792	1.164736	1.16448	1.16416									
200000	8		0 0		5.14896	5.14976	5.14992	5.149504	5.1492928									
2000000	8		-	0 43.355553	39.195679	38.734913	38.715073	38.719296	39.7441028									
2000	16			0 1.31776	1.309056	1.308672	1.30768	1.310112	1.310656									
20000 200000	16 16		-	0 1.6608 0 5.396608	1.662048 5.395712	1.661984 5.395904	1.661824 5.396128	1.661728 5.396608	1.6616768 5.396192									-
200000	16			0 42.750015	42.621185	42.674561	42.862846	42.863552	42.7544318									
2000	2	400		0.744576	0.745696	0.744928	0.753376	0.745184	0.746752									
20000	2	400	0 (		1.712704	1.71152	1.710912	1.710944	1.7114944									
200000	2		-	0 11.327552	11.314432	11.322016	11.32336	11.325472	11.3225664									
2000000	2	400		0 104.892128	104.919487 0.704288	104.904449 0.709248	104.913277 0.705984	104.802528 0.709216	104.8863738 0.706944									
2000	4	400		0.705984	1.233056	1.231488	1.2304	1.230272	1.2299328									
200000	4	400		0 6.77856	6.677696	6.669856	6.660352	6.634528	6.6841984									
2000000	4		0 0	56.795967	55.675808	55.750656	55.816673	55.669151	55.941651									
2000			0 (		0.939904	0.94	0.938752	0.937344	0.93872				-	-				
20000	. 8	400	0 0	0 1.350048 0 5.14192	1.365696 5.141696	1.364544 5.14176	1.363168 5.139328	1.363296 5.139968	1.3613504 5.1409344									-
200000	8			0 5.14192 0 42.218369	5.141696 40.585026	5.14176 40.636894	5.139328 40.60701	5.139968 40.624802	5.1409344 40.9344202									
200000	16			0 1.662624	1.6616	1.661888	1.662624	1.662112	1.6621696									
20000	16	400	0 (	0 2.027424	2.026592	2.025568	2.026752	2.027008	2.0266688									
200000	16			5.804	5.796352	5.797632	5.796736	5.796704	5.7982848									
2000000	16			0 42.357697	42.358273	42.360161	42.360703	42.442818	42.3759304					-				
2000	2			0 4.354784 0 39.698303	4.35584 39.698654	4.354592 39.697983	4.356064 39.698719	4.354944 39.698975	4.3552448 39.6985268									-
20000	2			0 394.574005	39.698654	39.697983	39.698719		39.6985268									
200000	2	1		3944.905762				3944.944336										
	_									-								-

2000	4	1	1	0 2.234048	2.232704	2.23312	2.233024	2.232832	2.2331456									
20000	- 4			0 20.173887	20.172289	20.171904	20.173183	20.172129	20.1726784									
	- 4	- '	- '															
200000	4	1	1	0 198.021149	198.020828	198.018494	198.017242	198.018631	198.0192688									
2000000	4	1	1	0 1977.739502	1977.741211	1977.743896	1977.748901	1977.742554	1977.743213									
2000	8	- 1	1	0 1.392704	1.393728	1.392832	1.394016	1.392576	1.3931712									
	8			0 10.437504														
20000	8	1	- 1		10.438976	10.438592	10.436832	10.43776	10.4379328									
200000	8	1	1	0 100.201187	100.199005	100.197601	100.197182	100.197372	100.1984694									
2000000	8	1	1	0 999.717285	999.718506	999,714844	999,719666	999.720276	999.7181154									
2000	16	- 1	1	0 1.011328	1.011168	1.011808	1.01152	1.011168	1.0113984									
	16																	
20000		1	1		5.512704	5.514048	5.512928	5.512768	5.5130944									
200000	16	1	1	0 52.489506	52.488831	52.487934	52.487232	52.488159	52.4883324									
2000000	16	1	1	0 523,737183	523.739319	523.729492	523,736389	523.736328	523.7357422									
2000	2	10	4	0 0.54032	0.539584	0.539744	0.538656	0.53968	0.5395968									
			- '															
20000	2	10	1	0 4.459552	4.457632	4.459968	4.460832	4.460448	4.4596864									
200000	2	10	1	0 41.065186	41.066879	41.066238	41.06736	41.068481	41.0668288									
2000000	2	10	1	0 412.008362	412.006287	412.008575	412.017303	412.005768	412.009259									
		10				0.568768		0.563968	0.564864									
2000	4		1	0 0.563968	0.563712		0.563904											
20000	4	10	1	0 2.370528	2.369504	2.368992	2.370048	2.369376	2.3696896									
200000	4	10	1	0 21.490976	21.493696	21.503073	21.497696	21.501535	21.4973952									
2000000	4	10	1	0 211.502243	211.513306	211.477859	211.504807	211.471298	211.4939026									
	- 4		- '															
2000	8	10	1	0 0.540672	0.541152	0.541376	0.542016	0.540704	0.541184									
20000	8	10	1	0 1.947136	1.947136	1.947616	1.947104	1.946656	1.9471296									
200000	я	10	1	0 20.093792	20.09408	20.093985	20.095039	20.095936	20.0945664									
200000		10	- 1	0 199.859421	199.852768	199.862686	199.856293	199.858276	199.8578888									
	8		- 1															
2000	16	10	1	0 0.586656	0.586656	0.5872	0.58752	0.587392	0.5870848									
20000	16	10	1	0 1.755744	1.756032	1.755936	1.755872	1.756	1.7559168									
200000	16	10	1	0 16.984896	16.984159	16.985409	16.985537	16.98576	16.9851522									
2000000	16	10	1	0 164.856003	164.85437	164.857819	164.853821	164.857315	164.8558656									
2000	2	100	1	0 0.881856	0.882016	0.881184	0.880736	0.881504	0.8814592									
20000	2	100	1	0 4.0528	4.053632	4.05552	4.057632	4.056032	4.0551232									
200000	2	100	1	0 38.045727	38.622433	38.524704	38.513248	38.708801	38.4829826									
	2		- 1															
2000000	2	100	1	0 380.945831	381.395294	382.064545	382.043762	381.814941	381.6528746									
2000	4	100	1	0 0.734432	0.732608	0.735296	0.7336	0.735744	0.734336									
20000	4	100	1	0 2.416832	2.450752	2.452288	2.451712	2.452928	2.4449024									
20000	7	100	1	0 21.13168	21.811457	22.04384	22 03056	22.005793	21.804666									
	4		- 1															
2000000	4	100	1	0 215.691391	215.227814	215.249954	215.529602	216.224762	215.5847046									
2000	8	100	1	0 0.914944	0.917312	0.918912	0.917504	0.91824	0.9173824									
20000		100	- 1	0 2.36352	2.363584	2.363424	2.363008	2.36384	2.3634752									
200000	8	100	1	0 16.571392	15.5736	15.606336	15.618144	15.631456	15.8001856									
2000000	8	100	1	0 145.875168	146.386017	146.716156	146.712708	146.606079	146.4592256									
2000	16	100	1	0 1.559264	1.56368	1.559936	1.560448	1.559232	1.560512									
20000			1	0 2.86064	2 859456	2 860064	2 86064		2 8605504									
	16	100	1					2.861952										
200000	16	100	1	0 17.181055	17.180576	17.180609	17.182528	17.180767	17.181107									
2000000	16	100	1	0 148.248352	148.253632	148.249023	148.249146	148.249695	148.2499696									
2000	2	300	4	0 1.843904	1.837888	1.84352	1.840032	1.84272	1.8416128									
20000	2	300	1	0 5.101536	5.103936	5.100608	5.100512	5.102784	5.1018752									
200000	2	300	1	0 39.917824	40.076927	40.10416	40.051998	40.0504	40.0402618									
2000000	2	300	1	0 378.3685	377.590118	378.203491	378.238342	377.556641	377.9914184									
2000	-	300	1	0 1.660544	1.66832	1.669408	1.668416	1.668736	1.6670848									
	- 4		- '															
20000	4	300	1	0 3.516416	3.55728	3.557504	3.557312	3.557888	3.54928									
200000	4	300	1	0 22.219839	21.408575	21.221792	21.186049	21.155584	21.4383678									
2000000	4	300	1	0 195.28038	195.955002	195.917786	195.950439	195.803162	195.7813538									
2000		300		0 2.211328	2.213664	2.216992	2.211296	2.212288	2.2131136									
	٥		- '															
20000	8	300	1	0 3.615808	3.613632	3.612576	3.614496	3.614528	3.614208									
200000	8	300	1	0 16.452703	16.378592	16.38096	16.376928	16.378847	16.393606									
2000000	8	300	1	0 144,160736	142.966873	142.95488	142.915482	142.911804	143.181955									
2000	16	300	- 1	0 4.06272	4.065216	4.06304	4.068064	4.068192	4.0654464							-	-	
			- 1															
20000	16	300	1	0 5.447648	5.44544	5.44608	5.448576	5.447072	5.4469632									
200000	16	300	1	0 19.876831	19.878304	19.87808	19.877567	19.879648	19.878086									
2000000	16	300	1	0 159.413376	159.401031	159.40361	159.403259	159.402847	159.4048246									
2000	2	400	1					2.293088	2.2952576									
				0 2 207244	2 202440	2 205004	2 207504											
	_			0 2.297344	2.292448	2.295904	2.297504											
20000	2	400	1	0 5.570336	5.562656	5.556736	5.565152	5.566048	5.5641856									
200000	_	400 400	1	0 5.570336 0 40.656193	5.562656 40.773026	5.556736 40.727905	5.565152 40.74752	5.566048 40.757118	5.5641856 40.7323524									
	2	400 400		0 5.570336 0 40.656193	5.562656 40.773026	5.556736 40.727905	5.565152 40.74752	5.566048 40.757118	5.5641856 40.7323524									
200000 2000000	2	400 400 400		0 5.570336 0 40.656193 0 382.474792	5.562656 40.773026 382.69165	5.556736 40.727905 382.22702	5.565152 40.74752 382.702179	5.566048 40.757118 382.334778	5.5641856 40.7323524 382.4860838									
200000 2000000 2000	2	400 400 400 400	1	0 5.570336 0 40.656193 0 382.474792 0 2.108256	5.562656 40.773026 382.69165 2.138144	5.556736 40.727905 382.22702 2.138048	5.565152 40.74752 382.702179 2.142464	5.566048 40.757118 382.334778 2.14	5.5641856 40.7323524 382.4860838 2.1333824									
200000 2000000 2000 2000	2	400 400 400 400 400	1	0 5.570336 0 40.656193 0 382.474792 0 2.108256 0 4.034912	5.562656 40.773026 382.69165 2.138144 4.045632	5.556736 40.727905 382.22702 2.138048 4.042176	5.565152 40.74752 382.702179 2.142464 4.041888	5.566048 40.757118 382.334778 2.14 4.045696	5.5641856 40.7323524 382.4860838 2.1333824 4.0420608									
200000 2000000 2000	2	400 400 400 400	1	0 5.570336 0 40.656193 0 382.474792 0 2.108256	5.562656 40.773026 382.69165 2.138144	5.556736 40.727905 382.22702 2.138048	5.565152 40.74752 382.702179 2.142464	5.566048 40.757118 382.334778 2.14	5.5641856 40.7323524 382.4860838 2.1333824									
200000 2000000 2000 2000	2	400 400 400 400 400	1	0 5.570336 0 40.656193 0 382.474792 0 2.108256 0 4.034912	5.562656 40.773026 382.69165 2.138144 4.045632	5.556736 40.727905 382.22702 2.138048 4.042176	5.565152 40.74752 382.702179 2.142464 4.041888	5.566048 40.757118 382.334778 2.14 4.045696	5.5641856 40.7323524 382.4860838 2.1333824 4.0420608									
200000 2000000 2000 20000 200000 200000	2	400 400 400 400 400 400 400	1 1 1 1	0 5.570336 0 40.656193 0 382.474792 0 2.108256 0 4.034912 0 23.701311 0 194.612701	5.562656 40.773026 382.69165 2.138144 4.045632 22.016319 195.379623	5.556736 40.727905 382.22702 2.138048 4.042176 21.704 195.225311	5.565152 40.74752 382.702179 2.142464 4.041888 21.699808 195.191101	5.566048 40.757118 382.334778 2.14 4.045696 21.6432 195.235779	5.5641856 40.7323524 382.4860838 2.1333824 4.0420608 22.1529276 195.128903									
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20000	8	1	0	1 11.7984			11.798304	11.79792	11.7984448													
200000	8	1	0	1 113.1697	31 113.170143	113.226433	113.170685	113.171646	113.1817276													
2000000	8	1	0	1 1128.52				1128.522217	1128.520655	T I				1								
2000	16	1	0	1 1.1086				1.115328	1.113248		1		+							1	-	
20000	16		0	1 6.133			6.13296	6.132512	6.132832													
200000	16		0	1 58.4016				58.344833	58.3787138		1				ļ							
2000000	16	1	0	1 581.6187	13 581.63324	581.632141	581.628052	581.638123	581.6300538													
2000	2	10	0	1 0.5866	56 0.588032	0.587776	0.588416	0.588512	0.5878784													
20000	2	10	0	1 4.9694	08 4.969056	4.977664	4.968448	4.969856	4.9708864													
200000	2	10	0	1 45.4238				45.423393	45.423802													
2000000	2		0	1 451.488				451.542419	451.538446													
2000	4		0	1 0.5882			0.588416	0.58736	0.5919232													
20000	4		0	1 2.53			2.53744	2.537888	2.5375552													
200000	4	10	0	1 22.9823	04 23.037855	22.983488	22.983456	22.984064	22.9942334													
2000000	4	10	0	1 225.8998	72 225.867355	225.814499	225.815582	225.869125	225.8532866													
2000		10	0	1 0.5896			0.59088	0.590688	0.5903808													
20000	0		0	1 1.5645				1.563872	1.5650496													
	8		U																			
200000	8	10	0	1 11.7884	16 11.788064	11.786752	11.788	11.787104	11.7876672													
2000000	8	10	0	1 113.2369	31 113.319649	113.290909	113.294273	113.237953	113.275943													
2000	16	10	0	1 0.610	24 0.61152	0.614336	0.619264	0.614432	0.6139584													
20000	16		0	1 1.1119			1.112224	1.112224	1.1120512													
200000			-					6.127808														
	16		0	1 6.127					6.127456							 	-					
2000000	16		0	1 58.4425				58.385311	58.4085494		-											
2000	2		0	1 0.6084			0.607648	0.613024	0.6092928													
20000	2	100	0	1 1.7256	64 1.72528	1.815264	1.723808	1.724416	1.7428864													
200000	2		0	1 13.8487			13.849504	13.847008	13.8464576													
2000000	2		0	1 137.8547	52 137.794403	3 137.860001	137.801346	137.860321	137.8341646													
200000		100	0	1 0.6160				0.608832	0.6109888												-	
	4		-																			
20000	4	100	0	1 1.167			1.168512	1.172032	1.1688512							 						
200000	4	100	0	1 6.7765			6.756608	6.774336	6.7712448													
2000000	4	100	0	1 69.331	69.31469	69.328064	69.315262	69.373215	69.3325822													
2000	8	100	0	1 0.6023	68 0.600352	0.601504	0.601344	0.60128	0.6013696			1										
2000	8		0	1 0.6591			0.659104	0.657984	0.6584896		1	1					1					
	8		-						4.8440192		_		+			 						
200000	8	100	0	1 4.8431				4.844256														
2000000	8	100	0	1 45.6511				45.651649	45.663642													
2000	16	100	0	1 0.61014	44 0.612448	0.614176	0.61488	0.614912	0.613312													
20000	16	100	0	1 0.844	32 0.845792	0.843968	0.84464	0.844352	0.8446144													
200000	16	100	0	1 4.8156	16 4.814112	4.813888	4.813888	4.814208	4.8143424													
2000000	16		0	1 41.4307				41.378944	41.3876808													
2000	2		0	1 0.6398			0.6408	0.639552	0.6399232													
20000	2	300	0	1 1.7575	68 1.757856	1.756736	1.754016	1.754656	1.7561664													
200000	2	300	0	1 11.682	24 11.680992	11.737888	11.682688	11.681056	11.6929728													
2000000	2	300	0	1 108.1644	82 108.165245	108.172577	108.264992	108.154144	108.184288													
2000	4		0	1 0.637			0.637216	0.638752	0.6381056													
20000	- 4	300	0	1 1.1978			1.19712	1.200736	1.1988224													
	*											-										
200000	4	300	0	1 6.1089				6.116288	6.1130368													
2000000	4	300	0	1 54.5937	92 54.554401		54.586815	54.544289	54.564589													
2000	8	300	0	1 0.7023	36 0.703424	0.7024	0.704608	0.703232	0.7032													
20000	8	300	0	1 1.0787	1.080608	1.07952	1.078368	1.078624	1.0791808													
200000	8	300	0	1 4.569	76 4.56848	4.569664	4.568224	4.568128	4.5688512													
2000000	8		0	1 39.1933				39.244671	39.2000572													
2000	16	300	0	1 1.3088				1.314208	1.3096576													
20000	16		0	1 1.6568				1.65664	1.6570304													
200000	16	300	0	1 5.2729	92 5.273088	5.272512	5.2728	5.274304	5.2731392													
2000000	16		0	1 40.887	84 40.885151			40.887329	40.8971068													
2000	2		0	1 0.745				0.746432	0.745536													
20000	2	400	0	1 1.7760			1.77376	1.771264	1.7731008				+								-	
	2		U														-					
200000	2		0	1 11.5405				11.540384	11.5420288		-					 				1		
2000000	2	400	0	1 106.5407				106.616707	106.5399368													
2000	4	400	0	1 0.705	76 0.706176	0.705088	0.706464	0.704992	0.705696													
20000	4	400	0	1 1.2142	72 1.216928	1.213728	1.21632	1.217024	1.2156544													
200000	4		0	1 6.4543			6.44688	6.446336	6.4484032											İ		
200000	4		0																			
	4		0					53.727104	53.7193602	-	-	-	+						-	1	-	
2000	8	400	0	1 1.0231				0.93664	0.954368													
20000	8	400	0	1 1.2698			1.270528	1.26864	1.2691392													
200000	8	400	0	1 4.7741	12 4.782688	4.77568	4.780896	4.78272	4.7792192													
2000000	8	400	0	1 40.5908				40.592415	40.5918266													
2000	16	400	0	1 1.6612	48 1.662016	1.662528	1.662336	1.662688	1.6621632													
20000	16		0	1 2.0096			2.0104	2.009312	2.0100672		1	1					1					
20000													+								-	
	16		0	1 5.6786				5.67744	5.6779008		-					 						
2000000	16		0	1 41.4904				41.57283	41.5074624													
2000	2		1	1 4.350				4.349888	4.3506688													
20000	2	1	1	1 39.6398	39.639008	39.636768	39.639042	39.638817	39.6386948													
200000	2		1	1 393.9716				393.966125														
200000	2	1	1	1 3938.9128				3938.913086	3938.915186												-	
		- 1	- 1							-	-	-	+				-	-	-	1		+
2000	4	1	1	1 2.2247			2.22384	2.224672	2.2247744			-				 				1		
20000	4	1	1	1 20.0759				20.07584	20.0756034													
200000	4	1	1	1 197.0629	12 197.062302	197.060669	197.066498	197.065567	197.0635896													
2000000	4	1	1	1 1969.8768				1969.883545	1969.88457													
2000	0	- 1	1	1 1.3738				1.37568	1.3758784													
	8	1									_	-	+									
20000	8	1	1	1 10.2975			10.29776	10.298368	10.2980032		-											
200000	8	1	1	1 98.8541			98.855614	98.85408	98.8548432													
	8	1	1	1 985.6553			985.650635	985.652405	985.6548828													
2000000			1	1 0.9818	88 0.984608	0.988288	0.98848	0.987392	0.9861312													
	16	11																				
2000			1				E 27470	E 27550.	E 2750704													
	16 16		1	1 5.3756			5.37472	5.375584	5.3750784													

200000	16	1	1	1	51.21616	51.219646	51.219296	51.21904	51.220768	51.218982								
2000000	16	1	1	1	510.513	510.515869	510.506897	510.508118	510.512329	510.5112426								
2000	2	10	1	1	0.534688	0.535776	0.535232	0.53552	0.534816	0.5352064								
20000	2	10	- 1	- 1	4.4272	4.4184	4.41824	4.424096	4.416256	4.4208384								
			1															
200000	2	10		1	40.760098	40.779999	40.787777	40.753376	40.71619	40.759488		-						
2000000	2	10	1	1	408.545532	408.595551	408.59964	408.630737	408.547241	408.5837402								
2000	4	10	1	1	0.530848	0.527392	0.530176	0.52528	0.5264	0.5280192								
20000	4	10	1	1	2.250592	2.250656	2.250784	2.2512	2.251616	2.2509696								
200000	4	10	1	1	20.516064	20.50992	20.551647	20.5432	20.519775	20.5281212								
2000000	4	10	1	1	204.496994	204.4729	204.519943	204.465988	204.470428	204.4852506								
		-																
2000	8	10	1	1	0.527232	0.528192	0.527296	0.527488	0.528192	0.52768								
20000	8	10	1	1	1.92512	1.925024	1.9256	1.92592	1.924992	1.9253312								
200000	8	10	1	1	19.887169	19.974112	19.884256	19.887009	19.882433	19.9029958								
2000000	8	10	1	1	197.94931	197.948029	197.945984	197.946884	197.953415	197.9487244								
2000	16	10	1	1	0.542688	0.544704	0.547616	0.547808	0.547904	0.546144								
	16	-	1	1														
20000	-	10			1.637504	1.637952	1.637184	1.637632	1.637952	1.6376448								
200000	16	10	1	1	15.283648	15.283584	15.284064	15.2832	15.283808	15.2836608								
2000000	16	10	1	1	153.187836	153.186234	153.190521	153.189087	153.186981	153.1881318								
2000	2	100	1	1	0.873888	0.87712	0.874496	0.877408	0.875808	0.875744								
20000	2	100	1	1	4.020064	4.02128	4.021312	4.02448	4.01936	4.0212992								
200000	2	100	1	1	36.815647	36.84288	36.835007	36.837887	36.842655	36.8348152		1						
2000000	2	100	1	1	362.349762	362.348083	362.389038	362.324036	362.476959	362.3775756								
			-	- 1								_						
2000	4	100	1	1	0.703104	0.704256	0.70272	0.70448	0.704224	0.7037568		-						
20000	4	100	1	1	2.232832	2.236096	2.2328	2.236128	2.235968	2.2347648		-						
200000	4	100	1	1	18.50848	18.512159	18.5144	18.511232	18.509888	18.5112318								
2000000	4	100	1	1	181.842041	181.879745	181.857727	181.863998	181.855682	181.8598386								
2000	8	100	1	1	0.861856	0.86304	0.863968	0.866016	0.863072	0.8635904								
20000	8	100	1	- 1	2.017536	2.017792	2.018272	2.017152	2.018592	2.0178688								
200000	8	100	1	1	14.015488	14.014112	14.018144	14.018048	14.014656	14.0160896								
			-	1						130.4190154								
2000000	8	100	1		130.472412	130.439972	130.381378	130.419876	130.381439									
2000	16	100	1	1	1.530336	1.53232	1.531872	1.532736	1.53104	1.5316608								
20000	16	100	1	1	2.64976	2.6504	2.648832	2.647424	2.649568	2.6491968								
200000	16	100	1	1	15.17872	15.178944	15.179328	15.179488	15.177248	15.1787456								
2000000	16	100	1	1	129.857315	129.863846	129.860672	129.85907	129.861221	129.8604248								
2000	2	300	1	1	1.814144	1.813056	1.810624	1.800192	1.800256	1.8076544								
20000	2	300	1	1	4.845088	4.8448	4.843008	4.846624	4.845376	4.8449792								
200000	2	300	1	- 1	36.41581	36.416	36.474976	36.476097	36.423454	36.4412674								
2000000	2	300	1	1	341.295135	341.347626	341.390594	341.487885	341.317413	341.3677306								
2000	4	300	1	1	1.62128	1 621632	1.621792	1.621824	1 621792	1 621664								
			-	-														
20000	4	300	1	1	3.158112	3.160448	3.156032	3.159328	3.155136	3.1578112								
200000	4	300	1	1	18.91856	18.91136	18.91984	18.915903	18.916576	18.9164478								
2000000	4	300	1	1	172.047775	172.071548	172.095551	172.039261	172.034393	172.0577056								
2000	8	300	1	1	2.16464	2.164768	2.163616	2.163584	2.162752	2.163872								
20000	8	300	1	1	3.318016	3.306624	3.30992	3.305216	3.304896	3.3089344								
200000	8	300	1	1	14.795616	14.79728	14.794944	14.798976	14.797664	14.796896								
2000000	8	300	1	- 1	128.643387	128 664001	128.650269	128.642654	128.632355	128.6465332								
200000	16	300	1	1	4.023968	4.023424	4.02384	4.022656	4.02256	4.0232896								
			-	-														
20000	16	300	1	1	5.145856	5.142944	5.140416	5.144416	5.142912	5.1433088		-						
200000	16	300	1	1	17.145472	17.145824	17.148129	17.144192	17.14448	17.1456194								
2000000	16	300	1	1	133.343811	133.349533	133.343781	133.347229	133.342819	133.3454346								
2000	2	400	1	1	2.268768	2.271168	2.274208	2.274272	2.273728	2.2724288								
20000	2	400	1	1	5.308192	5.302816	5.30144	5.299776	5.303968	5.3032384								
200000	2	400	1	1	37.039391	37.037086	37.041279	37.035618	37.049217	37.0405182								
2000000	2	400	1	1	345.527313	345.531921	345.559235	345.53476	345.520203	345.5346864		-						
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2000	4	400	1	1	2.088064	2.0888	2.09024	2.084704	2.091552	2.088672								-
20000	4	400	1	1	3.606752	3.604832	3.60128	3.608384	3.618784	3.6080064		-						
200000	4	400	1	1	20.036991	20.039007	20.046047	20.032673	20.038528	20.0386492								
2000000	4	400	1	1	173.73616	173.737946	173.730148	173.767746	173.749222	173.7442444								
2000	8	400	1	1	2.830304	2.828896	2.828096	2.819296	2.831648	2.827648								
20000	8	400	1	1	3.945024	3.976896	3.973888	3.968544	3.971008	3.967072								
200000	8	400	1	- 1	15.432288	15.446208	15.431552	15.434592	15.442304	15.4373888								
			-	- 1							-	-				-		
2000000	8	400	1	1	128.104767	128.10585	128.104126	128.103516	128.087738	128.1011994			 					
2000	16	400	1	1	5.27152	5.271904	5.26736	5.26688	5.270976	5.269728								
20000	16	400	1	1	6.387744	6.39184	6.389184	6.38752	6.388384	6.3889344								
200000	16	400	1	1	18.395329	18.390465	18.392576	18.396032	18.39328	18.3935364								
2000000	16	400	1	1	135.090012	135.087234	135.087357	135.085083	135.098816	135.0897004								
	.0					22.22.204					-	-						

input size	num B threads num blocks	dev id	optimization	test avg								
2000	2	1 DEV 0	NOT_OPTIM	4.989								
20000	2	1 DEV 0	NOT_OPTIM	45.476								
200000	2	1 DEV 0	NOT_OPTIM	451.844								
2000000	2	1 DEV 0	NOT_OPTIM	4515.976								
2000	4	1 DEV 0	NOT_OPTIM	2.547								
20000	4	1 DEV 0	NOT_OPTIM	23.113								
200000	4	1 DEV 0	NOT_OPTIM	226.692								
2000000	4	1 DEV 0	NOT_OPTIM	2263.999								
2000	8	1 DEV 0	NOT_OPTIM	1.623								
20000	8	1 DEV 0	NOT_OPTIM	12.418								
200000	8	1 DEV 0	NOT_OPTIM	119.144								
2000000	8	1 DEV 0	NOT_OPTIM	1188.528								
2000	16	1 DEV 0	NOT_OPTIM	1.226								
20000	16	1 DEV 0	NOT_OPTIM	6.793								
200000	16	1 DEV 0	NOT_OPTIM	64.716								
2000000	16	1 DEV 0	NOT_OPTIM	645.684								
2000	2	10 DEV 0	NOT_OPTIM	0.627								
20000	2	10 DEV 0	NOT_OPTIM	5.172								
200000	2	10 DEV 0	NOT_OPTIM	47.906								
2000000	2	10 DEV 0	NOT_OPTIM	481.109								
2000	4	10 DEV 0	NOT_OPTIM	0.654								
20000	4	10 DEV 0	NOT_OPTIM	2.810								
200000	4	10 DEV 0	NOT_OPTIM	24.915								
2000000	4	10 DEV 0	NOT_OPTIM	249.564								
2000	8	10 DEV 0	NOT_OPTIM	0.665								
20000	8	10 DEV 0	NOT_OPTIM	1.745								
200000	8	10 DEV 0	NOT_OPTIM	13.075								
2000000	8	10 DEV 0	NOT_OPTIM	130.161								
2000	16	10 DEV 0	NOT_OPTIM	0.697								
20000	16	10 DEV 0	NOT_OPTIM	1.302								
200000	16	10 DEV 0	NOT_OPTIM	7.179								
2000000	16	10 DEV 0	NOT_OPTIM	68.966								
2000	2	100 DEV 0	NOT_OPTIM	0.647								
20000	2	100 DEV 0	NOT_OPTIM	1.777								
200000	2	100 DEV 0	NOT_OPTIM	14.372								
2000000	2	100 DEV 0	NOT_OPTIM	144.195								
2000	4	100 DEV 0	NOT_OPTIM	0.677								
20000	4	100 DEV 0	NOT_OPTIM	1.263								
200000	4	100 DEV 0	NOT_OPTIM	7.774								
2000000	4	100 DEV 0	NOT_OPTIM	78.780								
2000	8	100 DEV 0	NOT_OPTIM	0.708								
20000	8	100 DEV 0	NOT_OPTIM	0.769								
20000	8	100 DEV 0	NOT_OPTIM	5.828								
2000000	8	100 DEV 0	NOT_OPTIM	55.862								
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2000	16	100 DEV 0	NOT_OPTIM	0.987								
20000	16	100 DEV 0	NOT_OPTIM	6.041								
200000	16	100 DEV 0	NOT_OPTIM	53.915	-							
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2000	2	300 DEV 0	NOT_OPTIM	1.821				-				
20000	2	300 DEV 0	NOT_OPTIM	12.435	-							
200000	2	300 DEV 0	NOT_OPTIM	115.279	-							
200000	4	300 DEV 0	NOT_OPTIM	0.720								
2000	4	300 DEV 0	NOT_OPTIM	1.325								
20000	4	300 DEV 0	NOT_OPTIM	6.721	-			-				
200000	4	300 DEV 0	NOT_OPTIM	60.477								
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2000	8	300 DEV 0	NOT_OPTIM	1.164				-				
20000	8	300 DEV 0	NOT_OPTIM	5.149								
200000	8	300 DEV 0	NOT_OPTIM	39.744								
2000	16	300 DEV 0	NOT_OPTIM	1.311								
20000	16	300 DEV 0	NOT_OPTIM	1.662	_							
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2000000	16	300 DEV 0	NOT_OPTIM	42.754								
2000	2	400 DEV 0	NOT_OPTIM	0.747								
20000	2	400 DEV 0	NOT_OPTIM	1.711								
200000	2	400 DEV 0	NOT_OPTIM	11.323								
2000000	2	400 DEV 0	NOT_OPTIM	104.886								

2000	4	400 DEV 0	NOT_OPTIM	0.707										
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20000	4	400 DEV 0	NOT_OPTIM	1.230										
200000	4	400 DEV 0	NOT_OPTIM	6.684										
2000000	4	400 DEV 0	NOT_OPTIM	55.942										
2000	8	400 DEV 0	NOT_OPTIM	0.939										
20000	8	400 DEV 0	NOT_OPTIM	1.361										
200000	8	400 DEV 0	NOT_OPTIM	5.141										
2000000	8	400 DEV 0	NOT_OPTIM	40.934										
2000	16	400 DEV 0	NOT_OPTIM	1.662										
20000	16	400 DEV 0	NOT_OPTIM	2.027										
200000	16	400 DEV 0	NOT_OPTIM	5.798										
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2000	2	1 DEV 1	NOT_OPTIM	4.355										
20000	2	1 DEV 1	NOT_OPTIM	39.699										
200000	2	1 DEV 1	NOT_OPTIM	394.573										
2000000	2	1 DEV 1	NOT_OPTIM	3944.918										
2000	4	1 DEV 1	NOT_OPTIM	2.233										
20000	4	1 DEV 1	NOT_OPTIM	20.173										
200000	4	1 DEV 1	NOT_OPTIM	198.019										
2000000	4	1 DEV 1	NOT_OPTIM	1977.743										
2000	8	1 DEV 1	NOT_OPTIM	1.393										
20000	8	1 DEV 1	NOT_OPTIM	10.438										
200000	8	1 DEV 1	NOT_OPTIM	100.198	+	+			-	+				
	-				-									
2000000	8	1 DEV 1	NOT_OPTIM	999.718					-					
2000	16	1 DEV 1	NOT_OPTIM	1.011										
20000	16	1 DEV 1	NOT_OPTIM	5.513										
200000	16	1 DEV 1	NOT_OPTIM	52.488										
2000000	16	1 DEV 1	NOT_OPTIM	523.736										
2000	2	10 DEV 1	NOT_OPTIM	0.540										
20000	2	10 DEV 1	NOT_OPTIM	4.460										
200000	2	10 DEV 1	NOT_OPTIM	41.067										
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2000	4	10 DEV 1	NOT_OPTIM	0.565										
20000	4		NOT_OPTIM	2.370										
		10 DEV 1												
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200000	8	10 DEV 1		20.095										
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2000000	8	10 DEV 1	NOT_OPTIM	199.858										
2000	16	10 DEV 1	NOT_OPTIM	0.587										
20000	16	10 DEV 1	NOT_OPTIM	1.756										
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2000000	16	10 DEV 1	NOT_OPTIM	164.856										
		100 DEV 1		0.881										
2000	2		NOT_OPTIM		+	-	1		-	-				
20000	2	100 DEV 1	NOT_OPTIM	4.055						-				
200000	2	100 DEV 1	NOT_OPTIM	38.483										
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20000	4	100 DEV 1	NOT_OPTIM	2.445										
200000	4	100 DEV 1	NOT_OPTIM	21.805										
				215.585										
2000000	4	100 DEV 1	NOT_OPTIM		-				-					
2000	8	100 DEV 1	NOT_OPTIM	0.917					-					
20000	8	100 DEV 1	NOT_OPTIM	2.363										
200000	8	100 DEV 1	NOT_OPTIM	15.800										
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2000	16	100 DEV 1	NOT_OPTIM	1.561										
20000	16	100 DEV 1		2.861										
			NOT_OPTIM		-				-					
200000	16	100 DEV 1	NOT_OPTIM	17.181										
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2000	2	300 DEV 1	NOT_OPTIM	1.842										
20000	2	300 DEV 1	NOT_OPTIM	5.102					1	1	İ			
200000	2	300 DEV 1		40.040	+	+	1		+	+				
			NOT_OPTIM		-	-			-	-				
2000000	2	300 DEV 1	NOT_OPTIM	377.991										
2000	4	300 DEV 1	NOT_OPTIM	1.667										
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200000	4	300 DEV 1	NOT_OPTIM	21.438										
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					-				-					
2000	8	300 DEV 1	NOT_OPTIM	2.213										

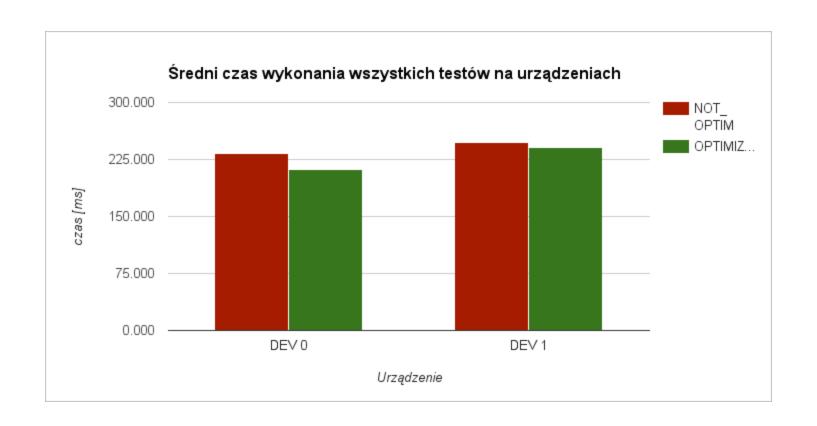
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200000	8	300 DEV 1	NOT_OPTIM	16.394									
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2000000	8	300 DEV 1	NOT_OPTIM	143.182									
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20000	16	300 DEV 1	NOT_OPTIM	5.447									
200000	16	300 DEV 1	NOT_OPTIM	19.878									
2000000	16	300 DEV 1	NOT_OPTIM	159.405									
2000	2	400 DEV 1		2.295									
			NOT_OPTIM										
20000	2	400 DEV 1	NOT_OPTIM	5.564									
200000	2	400 DEV 1	NOT_OPTIM	40.732									
2000000	2	400 DEV 1	NOT_OPTIM	382.486									
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2000	16	400 DEV 1	NOT_OPTIM	5.301	 -				-				-
20000	16	400 DEV 1	NOT_OPTIM	6.626									
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2000	2	1 DEV 0	OPTIMIZED	4.973									
20000	2	1 DEV 0	OPTIMIZED	45.406			+		1				-
													-
200000	2	1 DEV 0	OPTIMIZED	451.249	 -		1						-
2000000	2	1 DEV 0	OPTIMIZED	4511.264									
2000	4	1 DEV 0	OPTIMIZED	2.536									
20000	4	1 DEV 0	OPTIMIZED	23.004									
200000	4	1 DEV 0	OPTIMIZED	225.664									
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													-
2000	8	1 DEV 0	OPTIMIZED	1.565									
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200000		1 DEV 0	OPTIMIZED	58.379									
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200000	2	10 DEV 0	OPTIMIZED	45.424									
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200000	4	10 DEV 0	OPTIMIZED	22.994			-		-				-
2000000	4	10 DEV 0	OPTIMIZED	225.853									
2000	8	10 DEV 0	OPTIMIZED	0.590									
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200000	8	10 DEV 0	OPTIMIZED	11.788									
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2000	16	10 DEV 0	OPTIMIZED	0.614	 				-				-
20000	16	10 DEV 0	OPTIMIZED	1.112									
200000	16	10 DEV 0	OPTIMIZED	6.127									
2000000	16	10 DEV 0	OPTIMIZED	58.409									
2000	2	100 DEV 0	OPTIMIZED	0.609									
20000	2	100 DEV 0	OPTIMIZED	1.743									
20000	2		OPTIMIZED	13.846									-
		100 DEV 0			 -				-				-
2000000	2	100 DEV 0	OPTIMIZED	137.834					-				-
2000	4	100 DEV 0	OPTIMIZED	0.611									
20000	4	100 DEV 0	OPTIMIZED	1.169									
200000	4	100 DEV 0	OPTIMIZED	6.771									
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2000	8	100 DEV 0	OPTIMIZED	0.601									-
20000	8	100 DEV 0	OPTIMIZED	0.658									
200000	8	100 DEV 0	OPTIMIZED	4.844									
2000000	8	100 DEV 0	OPTIMIZED	45.664									
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20000	16	100 DEV 0	OPTIMIZED	0.845									

200000	16	100 DEV 0	OPTIMIZED	4.814											
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2000	2	300 DEV 0	OPTIMIZED	0.640											
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200000	2	300 DEV 0	OPTIMIZED	11.693											
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2000000		300 DEV 0	OPTIMIZED	108.184											
2000	4	300 DEV 0	OPTIMIZED	0.638											
20000	4	300 DEV 0	OPTIMIZED	1.199											
200000	4	300 DEV 0	OPTIMIZED	6.113											
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2000	2	400 DEV 0	OPTIMIZED	0.746											
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2000000	2	400 DEV 0	OPTIMIZED	106.540											
2000	4	400 DEV 0	OPTIMIZED	0.706											
					-	-	-	+	-		-	-			+
20000	4	400 DEV 0	OPTIMIZED	1.216											
200000	4	400 DEV 0	OPTIMIZED	6.448											
2000000	4	400 DEV 0	OPTIMIZED	53.719											
2000	8	400 DEV 0	OPTIMIZED	0.954					1		+	1			+
20000	8	400 DEV 0	OPTIMIZED	1.269											
200000	8	400 DEV 0	OPTIMIZED	4.779											
2000000	8	400 DEV 0	OPTIMIZED	40.592											
2000	16	400 DEV 0	OPTIMIZED	1.662											
20000	16	400 DEV 0	OPTIMIZED	2.010											
200000	16	400 DEV 0	OPTIMIZED	5.678											
2000000	16	400 DEV 0	OPTIMIZED	41.507											
2000	2	1 DEV 1	OPTIMIZED	4.351											
20000	2	1 DEV 1	OPTIMIZED	39.639											
200000	2	1 DEV 1	OPTIMIZED	393.969											
2000000	2	1 DEV 1	OPTIMIZED	3938.915											
2000	4	1 DEV 1	OPTIMIZED	2.225											
20000	4	1 DEV 1	OPTIMIZED	20.076											
200000	4	1 DEV 1	OPTIMIZED	197.064											
2000000	4	1 DEV 1	OPTIMIZED	1969.885											
2000	8	1 DEV 1	OPTIMIZED	1.376											
20000	8	1 DEV 1	OPTIMIZED	10.298											
200000	8	1 DEV 1	OPTIMIZED	98.855											
	-														
2000000	8	1 DEV 1	OPTIMIZED	985.655											+
2000	16	1 DEV 1	OPTIMIZED	0.986											
20000	16	1 DEV 1	OPTIMIZED	5.375											
200000	16	1 DEV 1	OPTIMIZED	51.219											
200000	16	1 DEV 1	OPTIMIZED	510.511					1		1	1			+
															+
2000	2	10 DEV 1	OPTIMIZED	0.535											
20000	2	10 DEV 1	OPTIMIZED	4.421											
200000	2	10 DEV 1	OPTIMIZED	40.759											
200000	2	10 DEV 1	OPTIMIZED	408.584					1		+	1			+
								-							+
2000	4	10 DEV 1	OPTIMIZED	0.528											
20000	4	10 DEV 1	OPTIMIZED	2.251											
200000	4	10 DEV 1	OPTIMIZED	20.528											
200000	4	10 DEV 1	OPTIMIZED	204.485	-	-		1	1		+	1			
								-							+
2000	8	10 DEV 1	OPTIMIZED	0.528											
20000	8	10 DEV 1	OPTIMIZED	1.925											
200000	8	10 DEV 1	OPTIMIZED	19.903											
								+							+
2000000	8	10 DEV 1	OPTIMIZED	197.949		_		_							
2000	16	10 DEV 1	OPTIMIZED	0.546											
20000	16	10 DEV 1	OPTIMIZED	1.638											
200000	16	10 DEV 1	OPTIMIZED	15.284											
						-		-	-		-	-			+
2000000	16	10 DEV 1	OPTIMIZED	153.188											
2000	2	100 DEV 1	OPTIMIZED	0.876											
	2	100 DEV 1	OPTIMIZED	4.021											
20000			J	1.021						-	_				+
20000	2	100 DEV 1	OPTIMIZED	36.835											

2000000	2	100 DEV 1	OPTIMIZED	362.378								
2000	4	100 DEV 1	OPTIMIZED	0.704								
20000	4	100 DEV 1	OPTIMIZED	2.235								
200000	4	100 DEV 1	OPTIMIZED	18.511								
2000000	4	100 DEV 1	OPTIMIZED	181.860								
2000	8	100 DEV 1	OPTIMIZED	0.864								
20000	8	100 DEV 1	OPTIMIZED	2.018								
200000	8	100 DEV 1	OPTIMIZED	14.016								
2000000	8	100 DEV 1	OPTIMIZED	130.419								
2000	16	100 DEV 1	OPTIMIZED	1.532								
20000	16	100 DEV 1	OPTIMIZED	2.649								
200000	16	100 DEV 1	OPTIMIZED	15.179								
2000000	16	100 DEV 1	OPTIMIZED	129.860								
2000	2	300 DEV 1	OPTIMIZED	1.808								
20000	2	300 DEV 1	OPTIMIZED	4.845								
200000	2	300 DEV 1	OPTIMIZED	36.441								
2000000	2	300 DEV 1	OPTIMIZED	341.368								
2000	4	300 DEV 1	OPTIMIZED	1.622								
20000	4	300 DEV 1	OPTIMIZED	3.158								
200000	4	300 DEV 1	OPTIMIZED	18.916								
2000000	4	300 DEV 1	OPTIMIZED	172.058								
2000	8	300 DEV 1	OPTIMIZED	2.164								
20000	8	300 DEV 1	OPTIMIZED	3.309								
200000	8	300 DEV 1	OPTIMIZED	14.797								
2000000	8	300 DEV 1	OPTIMIZED	128.647								
2000	16	300 DEV 1	OPTIMIZED	4.023								
20000	16	300 DEV 1	OPTIMIZED	5.143								
200000	16	300 DEV 1	OPTIMIZED	17.146								
2000000	16	300 DEV 1	OPTIMIZED	133.345								
2000	2	400 DEV 1	OPTIMIZED	2.272								
20000	2	400 DEV 1	OPTIMIZED	5.303								
200000	2	400 DEV 1	OPTIMIZED	37.041								
200000	2	400 DEV 1	OPTIMIZED	345.535								
2000	4	400 DEV 1	OPTIMIZED	2.089								
20000	4	400 DEV 1	OPTIMIZED	3.608								
200000	4	400 DEV 1	OPTIMIZED	20.039								
200000	4	400 DEV 1	OPTIMIZED	173.744								
2000	8	400 DEV 1	OPTIMIZED	2.828								
20000	8	400 DEV 1	OPTIMIZED	3.967								
200000	8	400 DEV 1	OPTIMIZED	15.437								
200000	8	400 DEV 1	OPTIMIZED	128.101								
2000	16	400 DEV 1	OPTIMIZED	5.270								
2000	16	400 DEV 1	OPTIMIZED	6.389	-				-			
20000	16	400 DEV 1	OPTIMIZED	18.394								
200000	16	400 DEV 1	OPTIMIZED	135.090								
200000	10	400 DEV 1	OF HIMIZED	133.030		 1		1				

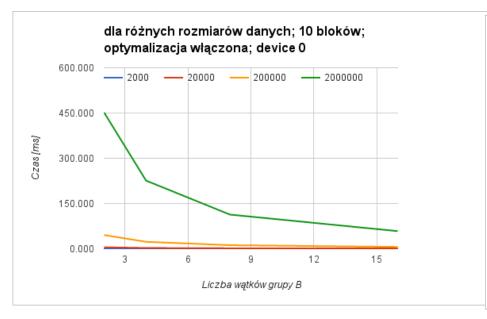
## 1. DEV/OPTIM

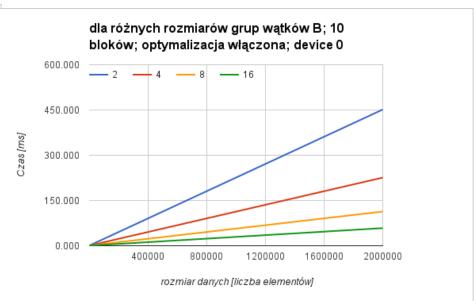
	NOT_OPTIM	OPTIMIZED	Grand Total
DEV 0	232.450	212.269	222.360
DEV 1	247.054	241.051	244.053



#### 2. Size/numBThreads

	2	4	8	16	Grand Total
2000	0.588	0.592	0.590	0.614	0.596
20000	4.971	2.538	1.565	1.112	2.546
200000	45.424	22.994	11.788	6.127	21.583
2000000	451.538	225.853	113.276	58.409	212.269
Grand Total	125.630	62.994	31.805	16.566	59.249





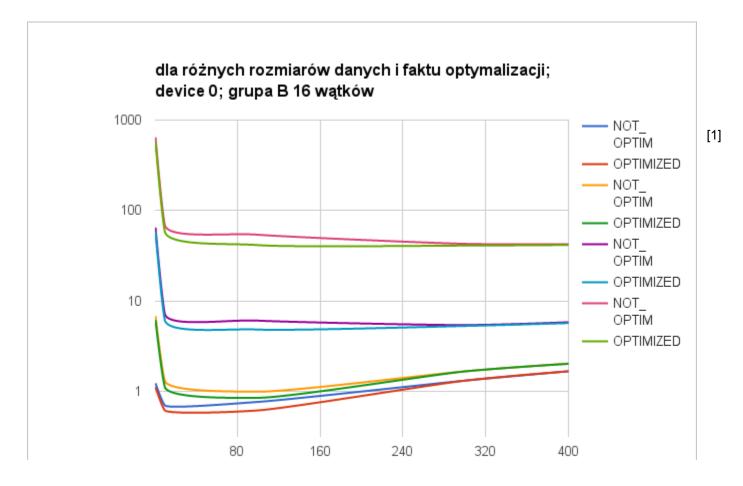
# 3. DEV/numBlocks

	1	10	100	300	400
DEV 0	581.630	58.409	41.388	40.897	41.507
DEV 1	510.511	153.188	129.860	133.345	135.090



#### 4. Size/numBlocks/OPTIM

		1	10	100	300	400	Grand Total
2000	NOT_OPTIM	1.226	0.697	0.761	1.311	1.662	1.131
	OPTIMIZED	1.113	0.614	0.613	1.310	1.662	1.062
20000	NOT_OPTIM	6.793	1.302	0.987	1.662	2.027	2.554
	OPTIMIZED	6.133	1.112	0.845	1.657	2.010	2.351
200000	NOT_OPTIM	64.716	7.179	6.041	5.396	5.798	17.826
	OPTIMIZED	58.379	6.127	4.814	5.273	5.678	16.054
2000000	NOT_OPTIM	645.684	68.966	53.915	42.754	42.376	170.739
	OPTIMIZED	581.630	58.409	41.388	40.897	41.507	152.766



4. Size/numBlocks/OPTIM

# 5. Size/numBlocks/Device

		1	10	100	300	400	Grand Total
2000	DEV 0	1.113	0.614	0.613	1.310	1.662	1.062
	DEV 1	0.986	0.546	1.532	4.023	5.270	2.471
20000	DEV 0	6.133	1.112	0.845	1.657	2.010	2.351
	DEV 1	5.375	1.638	2.649	5.143	6.389	4.239
200000	DEV 0	58.379	6.127	4.814	5.273	5.678	16.054
	DEV 1	51.219	15.284	15.179	17.146	18.394	23.444
2000000	DEV 0	581.630	58.409	41.388	40.897	41.507	152.766
	DEV 1	510.511	153.188	129.860	133.345	135.090	212.399

## 6. NumBlocks/numBThreads

	2	4	8	16	Grand Total
1	4511.264	2255.661	1128.521	581.630	2119.269
10	451.538	225.853	113.276	58.409	212.269
100	137.834	69.333	45.664	41.388	73.555
300	108.184	54.565	39.200	40.897	60.712
400	106.540	53.719	40.592	41.507	60.590
<b>Grand Total</b>	1063.072	531.826	273.450	152.766	505.279

[1] chart1.m [2] chart1.m