

<b>Roughly Equal</b>	[.98, 1.02]				
<b>New Slightly Faster</b>	[.95, .98]				
<b>Cur Slightly Faster</b>	[1.02, 1.05]				
<b>New Faster</b>	[0.0, .95]				
<b>Cur Faster</b>	[1.05, inf]				

**Results For Skylake memset-avx2**

	size	al1	Cur T	New T	New / Cur
	1	0	5.379	4.112	76.45
	2	0	5.538	4.62	83.42
	4	0	5.523	5.161	93.45
	8	0	5.627	4.612	81.96
	16	0	5.115	4.613	90.19
	32	0	3.828	3.868	101.04
	64	0	3.857	3.871	100.36
	128	0	4.058	4.118	101.48
	256	0	7.417	5.163	69.61
	512	0	11.8	9.573	81.13
	1024	0	20.128	17.96	89.23
	2048	0	36.785	34.866	94.78
	4096	0	70.571	68.427	96.96
	8192	0	135.869	134.292	98.84
	16384	0	265.929	265.158	99.71
	32768	0	627.406	621.56	99.07
	65536	0	2004.519	1987.781	99.16
	131072	0	3936.803	3923.873	99.67
	1	1	4.713	3.527	74.84
	1	4095	4.723	3.566	75.5
	2	2	4.813	4.027	83.67
	2	4094	4.825	4.029	83.5
	2	4095	24.152	24.23	100.32

	3	3	4.817	4.014	83.33
	3	4093	4.862	4.02	82.68
	3	4095	14.161	14.187	100.18
	3	0	4.845	4.011	82.79
	4	4	4.817	4.514	93.71
	4	4092	4.878	4.557	93.42
	4	4095	24.387	24.556	100.69
	5	5	4.873	4.566	93.7
	5	4091	4.904	4.528	92.33
	5	4095	14.383	13.831	96.16
	5	0	4.849	4.51	93.01
	6	6	4.861	4.554	93.68
	6	4090	4.936	4.593	93.05
	6	4095	14.499	14.01	96.63
	6	0	4.895	4.575	93.46
	7	7	4.912	4.569	93.02
	7	4089	4.953	4.601	92.89
	7	4095	14.517	14.036	96.69
	7	0	4.927	4.639	94.15
	8	8	5.081	4.102	80.73
	8	4088	5.108	4.159	81.42
	8	4095	24.741	24.814	100.3
	9	9	5.096	4.132	81.08
	9	4087	5.06	4.088	80.79
	9	4095	13.819	13.926	100.77
	9	0	5.027	4.056	80.68
	10	10	5.02	4.065	80.98
	10	4086	5.08	4.134	81.38
	10	4095	14.059	14.091	100.23
	10	0	5.137	4.101	79.83
	11	11	5.054	4.084	80.81

	11	4085	5.111	4.176	81.71
	11	4095	14.015	14.199	101.31
	11	0	5.096	4.145	81.34
	12	12	5.097	4.128	80.99
	12	4084	5.117	4.175	81.59
	12	4095	14.129	14.219	100.64
	12	0	5.108	4.176	81.75
	13	13	5.098	4.14	81.21
	13	4083	5.154	4.19	81.3
	13	4095	14.192	14.283	100.64
	13	0	5.143	4.169	81.06
	14	14	5.101	4.138	81.12
	14	4082	5.18	4.187	80.83
	14	4095	14.196	14.314	100.83
	14	0	5.118	4.207	82.2
	15	15	5.082	4.15	81.66
	15	4081	5.152	4.249	82.47
	15	4095	14.127	14.236	100.77
	15	0	5.089	4.162	81.78
	16	16	4.6	4.136	89.91
	16	4080	4.625	4.161	89.97
	16	4095	24.847	24.97	100.5
	17	17	4.606	4.127	89.6
	17	4079	4.615	4.132	89.53
	17	4095	14.026	14.107	100.58
	17	0	4.591	4.112	89.57
	18	18	4.581	4.135	90.26
	18	4078	4.597	4.134	89.93
	18	4095	14.01	14.023	100.09
	18	0	4.608	4.107	89.13
	19	19	4.586	4.105	89.51

	19	4077	4.614	4.125	89.4
	19	4095	14.01	14.088	100.56
	19	0	4.581	4.126	90.07
	20	20	4.58	4.111	89.76
	20	4076	4.614	4.148	89.9
	20	4095	14.064	14.131	100.48
	20	0	4.611	4.124	89.44
	21	21	4.592	4.135	90.05
	21	4075	4.639	4.149	89.44
	21	4095	14.133	14.205	100.51
	21	0	4.615	4.13	89.49
	22	22	4.647	4.127	88.81
	22	4074	4.629	4.163	89.93
	22	4095	14.119	14.196	100.55
	22	0	4.635	4.136	89.23
	23	23	4.612	4.129	89.53
	23	4073	4.635	4.165	89.86
	23	4095	14.142	14.185	100.3
	23	0	4.612	4.155	90.09
	24	24	4.615	4.144	89.79
	24	4072	4.647	4.164	89.61
	24	4095	14.142	14.15	100.06
	24	0	4.616	4.149	89.88
	25	25	4.616	4.146	89.82
	25	4071	4.636	4.156	89.65
	25	4095	14.141	14.195	100.38
	25	0	4.627	4.144	89.56
	26	26	4.609	4.142	89.87
	26	4070	4.63	4.156	89.76
	26	4095	14.118	14.194	100.54
	26	0	4.612	4.143	89.83

	27	27	4.61	4.136	89.72
	27	4069	4.645	4.161	89.58
	27	4095	14.11	14.161	100.36
	27	0	4.616	4.149	89.88
	28	28	4.62	4.142	89.65
	28	4068	4.623	4.15	89.77
	28	4095	14.1	14.194	100.67
	28	0	4.614	4.139	89.71
	29	29	4.621	4.136	89.5
	29	4067	4.628	4.155	89.78
	29	4095	14.106	14.166	100.43
	29	0	4.612	4.137	89.7
	30	30	4.624	4.14	89.53
	30	4066	4.627	4.17	90.12
	30	4095	14.145	14.156	100.08
	30	0	4.62	4.158	90
	31	31	4.608	4.136	89.76
	31	4065	4.625	4.15	89.73
	31	4095	14.12	14.154	100.24
	31	0	4.611	4.156	90.13
	32	32	3.65	3.668	100.49
	32	4064	3.642	3.652	100.27
	32	4095	24.872	24.93	100.23
	33	33	3.647	3.66	100.36
	33	4063	3.638	3.646	100.22
	33	4095	14.074	14.066	99.94
	33	0	3.629	3.646	100.47
	34	34	3.638	3.619	99.48
	34	4062	3.636	3.65	100.39
	34	4095	14.024	14.051	100.19
	34	0	3.609	3.633	100.67

	35	35	3.608	3.628	100.55
	35	4061	3.631	3.653	100.61
	35	4095	14.015	14.079	100.46
	35	0	3.646	3.637	99.75
	36	36	3.623	3.632	100.25
	36	4060	3.675	3.657	99.51
	36	4095	14.139	14.123	99.89
	36	0	3.661	3.658	99.92
	37	37	3.633	3.643	100.28
	37	4059	3.657	3.688	100.85
	37	4095	14.2	14.214	100.1
	37	0	3.662	3.666	100.11
	38	38	3.638	3.657	100.52
	38	4058	3.679	3.677	99.95
	38	4095	14.188	14.255	100.47
	38	0	3.662	3.661	99.97
	39	39	3.647	3.658	100.3
	39	4057	3.666	3.694	100.76
	39	4095	14.147	14.228	100.57
	39	0	3.651	3.678	100.74
	40	40	3.648	3.658	100.27
	40	4056	3.664	3.674	100.27
	40	4095	14.156	14.226	100.49
	40	0	3.658	3.666	100.22
	41	41	3.643	3.663	100.55
	41	4055	3.686	3.677	99.76
	41	4095	14.129	14.206	100.54
	41	0	3.666	3.667	100.03
	42	42	3.649	3.66	100.3
	42	4054	3.663	3.693	100.82
	42	4095	14.16	14.228	100.48

	42	0	3.664	3.679	100.41
	43	43	3.646	3.664	100.49
	43	4053	3.67	3.69	100.54
	43	4095	14.137	14.207	100.5
	43	0	3.645	3.678	100.91
	44	44	3.658	3.663	100.14
	44	4052	3.674	3.675	100.03
	44	4095	14.17	14.205	100.25
	44	0	3.661	3.665	100.11
	45	45	3.641	3.699	101.59
	45	4051	3.664	3.672	100.22
	45	4095	14.182	14.207	100.18
	45	0	3.646	3.676	100.82
	46	46	3.648	3.66	100.33
	46	4050	3.66	3.675	100.41
	46	4095	14.142	14.21	100.48
	46	0	3.66	3.671	100.3
	47	47	3.648	3.68	100.88
	47	4049	3.661	3.684	100.63
	47	4095	14.142	14.264	100.86
	47	0	3.65	3.679	100.79
	48	48	3.663	3.663	100
	48	4048	3.666	3.676	100.27
	48	4095	14.12	14.17	100.35
	48	0	3.651	3.674	100.63
	49	49	3.648	3.681	100.9
	49	4047	3.679	3.675	99.89
	49	4095	14.168	14.258	100.64
	49	0	3.664	3.672	100.22
	50	50	3.651	3.658	100.19
	50	4046	3.669	3.674	100.14

	50	4095	14.188	14.195	100.05
	50	0	3.656	3.675	100.52
	51	51	3.649	3.664	100.41
	51	4045	3.671	3.677	100.16
	51	4095	14.127	14.264	100.97
	51	0	3.651	3.663	100.33
	52	52	3.643	3.662	100.52
	52	4044	3.661	3.678	100.46
	52	4095	14.144	14.216	100.51
	52	0	3.655	3.668	100.36
	53	53	3.658	3.675	100.46
	53	4043	3.665	3.682	100.46
	53	4095	14.148	14.208	100.42
	53	0	3.68	3.667	99.65
	54	54	3.656	3.671	100.41
	54	4042	3.681	3.697	100.43
	54	4095	14.149	14.245	100.68
	54	0	3.649	3.674	100.69
	55	55	3.653	3.671	100.49
	55	4041	3.687	3.673	99.62
	55	4095	14.233	14.199	99.76
	55	0	3.662	3.668	100.16
	56	56	3.649	3.678	100.79
	56	4040	3.673	3.678	100.14
	56	4095	14.174	14.213	100.28
	56	0	3.659	3.665	100.16
	57	57	3.663	3.663	100
	57	4039	3.679	3.689	100.27
	57	4095	14.151	14.226	100.53
	57	0	3.653	3.693	101.09
	58	58	3.652	3.667	100.41



	58	4038	3.678	3.691	100.35
	58	4095	14.188	14.206	100.13
	58	0	3.652	3.69	101.04
	59	59	3.652	3.676	100.66
	59	4037	3.672	3.671	99.97
	59	4095	14.175	14.206	100.22
	59	0	3.659	3.674	100.41
	60	60	3.673	3.656	99.54
	60	4036	3.666	3.696	100.82
	60	4095	14.154	14.169	100.11
	60	0	3.663	3.662	99.97
	61	61	3.659	3.669	100.27
	61	4035	3.675	3.672	99.92
	61	4095	14.163	14.225	100.44
	61	0	3.652	3.674	100.6
	62	62	3.648	3.663	100.41
	62	4034	3.667	3.68	100.35
	62	4095	14.159	14.229	100.49
	62	0	3.656	3.685	100.79
	63	63	3.648	3.665	100.47
	63	4033	3.665	3.679	100.38
	63	4095	14.162	14.222	100.42
	63	0	3.649	3.666	100.47
	64	64	3.672	3.663	99.75
	96	0	4.208	4.181	99.36
	96	96	4.236	4.189	98.89
	128	128	4.297	4.29	99.84
	160	0	5.872	5.34	90.94
	160	160	5.898	5.36	90.88
	192	0	6.019	5.445	90.46
	192	192	7.035	5.522	78.49

	224	0	6.058	5.532	91.32
	224	224	7.147	5.582	78.1
	256	256	7.215	5.63	78.03
	288	0	7.191	7.213	100.31
	288	288	7.186	7.238	100.72
	320	0	7.146	7.23	101.18
	320	320	9.267	7.195	77.64
	352	0	7.177	7.178	100.01
	352	352	9.289	7.169	77.18
	384	0	9.317	7.228	77.58
	384	384	9.371	7.221	77.06
	416	0	9.377	9.39	100.14
	416	416	9.352	9.438	100.92
	448	0	9.337	9.365	100.3
	448	448	11.511	9.486	82.41
	480	0	9.298	9.338	100.43
	480	480	11.404	9.355	82.03
	14	1	5.526	4.52	81.8
	1024	3	21.965	22.025	100.27
	64	4	3.957	3.959	100.05
	25	2	5.028	4.476	89.02
	1056	0	19.706	19.748	100.21
	1056	33	21.66	21.706	100.21
	1184	0	21.561	21.611	100.23
	1184	37	23.751	23.685	99.72
	1312	0	23.697	23.684	99.95
	1312	41	25.764	25.779	100.06
	1440	0	25.808	25.692	99.55
	1440	45	27.934	27.713	99.21
	1568	0	27.63	27.693	100.23
	1568	49	29.606	29.769	100.55

	1696	0	29.626	29.591	99.88
	1696	53	31.666	31.803	100.43
	1824	0	31.972	31.749	99.3
	1824	57	33.735	33.757	100.07
	1952	0	33.448	33.693	100.73
	1952	61	35.559	35.534	99.93
	2080	0	35.471	35.559	100.25
	2080	65	37.539	37.649	100.29
	2208	0	37.412	37.689	100.74
	2208	69	39.571	39.751	100.45
	2336	0	39.594	39.704	100.28
	2336	73	41.667	41.642	99.94
	2464	0	41.668	41.563	99.75
	2464	77	43.895	43.594	99.31
	2592	0	43.692	43.461	99.47
	2592	81	45.678	45.477	99.56
	2720	0	45.745	45.587	99.65
	2720	85	47.875	47.53	99.28
	2848	0	47.511	47.204	99.35
	2848	89	49.601	49.409	99.61
	2976	0	49.416	49.271	99.71
	2976	93	51.621	51.398	99.57
	3104	0	51.388	50.99	99.23
	3104	97	55.7	53.074	95.29
	3232	0	53.477	52.932	98.98
	3232	101	57.666	55.048	95.46
	3360	0	55.277	54.849	99.23
	3360	105	59.513	57.011	95.8
	3488	0	57.226	56.882	99.4
	3488	109	61.333	58.85	95.95
	3616	0	59.208	58.802	99.31

	3616	113	63.614	60.882	95.71
	3744	0	61.3	60.905	99.36
	3744	117	65.463	62.979	96.21
	3872	0	63.282	63.028	99.6
	3872	121	67.227	65.075	96.8
	4000	0	64.887	65.163	100.43
	4000	125	80.413	79.264	98.57
	4128	0	66.932	66.851	99.88
	4128	129	69.114	69.569	100.66
	4256	0	68.615	69.497	101.29
	4256	133	70.824	71.363	100.76
	4384	0	70.518	71.062	100.77
	4384	137	72.96	73.12	100.22
	4512	0	72.693	73.05	100.49
	4512	141	75.196	75.217	100.03
	4640	0	74.506	74.929	100.57
	4640	145	76.633	76.988	100.46
	4768	0	76.24	76.73	100.64
	4768	149	78.803	79.037	100.3
	4896	0	78.245	78.304	100.08
	4896	153	80.383	80.697	100.39
	5024	0	80.295	80.297	100
	5024	157	82.367	82.592	100.27
	5152	0	81.808	82.127	100.39
	5152	161	84.101	84.662	100.67
	5280	0	83.779	84.607	100.99
	5280	165	86.261	86.54	100.32
	5408	0	85.911	86.163	100.29
	5408	169	88.156	88.6	100.5
	5536	0	87.702	88.272	100.65
	5536	173	89.797	91.087	101.44

	5664	0	89.435	90.902	101.64
	5664	177	92.108	92.83	100.78
	5792	0	91.504	92.199	100.76
	5792	181	93.934	93.928	99.99
	5920	0	93.677	93.894	100.23
	5920	185	95.902	96.094	100.2
	6048	0	95.404	95.647	100.25
	6048	189	97.959	98.095	100.14
	6176	0	97.129	97.566	100.45
	6176	193	99.57	100.209	100.64
	6304	0	99.352	99.765	100.42
	6304	197	101.57	101.703	100.13
	6432	0	101.867	101.539	99.68
	6432	201	103.436	103.969	100.52
	6560	0	102.838	103.455	100.6
	6560	205	105.432	105.825	100.37
	6688	0	105.006	105.431	100.4
	6688	209	107.395	108.07	100.63
	6816	0	107.437	107.161	99.74
	6816	213	109.271	109.919	100.59
	6944	0	109.035	109.11	100.07
	6944	217	111.345	111.707	100.33
	7072	0	111.209	111.206	100
	7072	221	113.156	113.097	99.95
	7200	0	112.897	112.899	100
	7200	225	117.017	115.602	98.79
	7328	0	115.009	114.884	99.89
	7328	229	118.823	117.669	99.03
	7456	0	116.753	117.415	100.57
	7456	233	121.378	118.972	98.02
	7584	0	118.217	118.96	100.63

	7584	237	122.886	121.679	99.02
	7712	0	120.515	121.072	100.46
	7712	241	124.886	122.928	98.43
	7840	0	122.803	123.011	100.17
	7840	245	126.671	125.703	99.24
	7968	0	124.924	125.521	100.48
	7968	249	138.613	138.375	99.83
	8096	0	126.128	126.442	100.25
	8096	253	130.397	128.962	98.9
	131072	3	10410.264	10759.129	103.35
	262144	0	9340.413	9410.713	100.75
	262144	3	22084.376	22498.119	101.87
	524288	0	24010.829	24222.774	100.88
	524288	3	48795.218	48674.414	99.75
	1048576	0	54386.701	54706.119	100.59
	1048576	3	86031.443	85890.348	99.84
	2097152	0	132756.359	133599.519	100.64
	2097152	3	144517.138	144470.805	99.97
	4194304	0	371136.533	373007.175	100.5
	4194304	3	282967.957	283828.009	100.3
	8388608	0	1309618.014	1315674.901	100.46
	8388608	3	735054.96	732890.203	99.71
	16777216	0	4619215.485	4643615.986	100.53
	16777216	3	2073479.409	2072893.784	99.97
	33554432	0	15535237.37	15637579.47	100.66
	33554432	3	4899671.404	4913711.518	100.29
	67108864	0	10580171.04	10592907.25	100.12
	67108864	3	10579748.39	10598987.5	100.18
	129	0	6.349	6.375	100.41
	257	0	8.469	8.469	100
	513	0	12.718	12.845	101

	1025	0	20.951	21.129	100.85
	2049	0	37.479	37.782	100.81
	4097	0	82.494	83.828	101.62
	8193	0	147.021	148.755	101.18
	16385	0	277.044	279.765	100.98
	32769	0	662.297	675.154	101.94
	65537	0	1994.142	1996.989	100.14
	131073	0	3923.766	3917.442	99.84
	262145	0	9306.413	9416.676	101.18
	524289	0	24169.032	24219.158	100.21
	1048577	0	54277.661	54651.49	100.69
	2097153	0	133479.028	134422.686	100.71
	4194305	0	372634.882	375026.389	100.64
	8388609	0	1313646.349	1315308.726	100.13
	16777217	0	4622298.346	4650349.83	100.61
	33554433	0	15520046.77	15631170.82	100.72
<b>Results For Skylake memset-avx2-erms</b>					
	size	al1	Cur T	New T	New / Cur
	1	0	4.767	4.827	101.26
	2	0	4.912	5.158	105.01
	4	0	4.888	5.681	116.22
	8	0	5.161	5.123	99.26
	16	0	4.955	5.155	104.04
	32	0	3.681	3.361	91.31
	64	0	3.685	3.353	90.99
	128	0	5.024	4.651	92.58
	256	0	7.431	5.203	70.02
	512	0	11.772	9.552	81.14
	1024	0	20.089	17.994	89.57
	2048	0	36.792	34.895	94.84

	4096	0	79.397	79.651	100.32
	8192	0	144.488	145.522	100.72
	16384	0	275.443	276.325	100.32
	32768	0	541.489	543.91	100.45
	65536	0	1724.998	1738.791	100.8
	131072	0	3719.75	3728.235	100.23
	1	1	4.135	4.124	99.73
	1	4095	4.19	4.195	100.12
	2	2	4.248	4.51	106.17
	2	4094	4.297	4.486	104.4
	2	4095	24.15	24.204	100.22
	3	3	4.246	4.469	105.25
	3	4093	4.288	4.51	105.18
	3	4095	14.25	14.179	99.5
	3	0	4.273	4.516	105.69
	4	4	4.261	4.959	116.38
	4	4092	4.342	5.05	116.31
	4	4095	24.389	24.45	100.25
	5	5	4.348	5.002	115.04
	5	4091	4.358	5.008	114.92
	5	4095	13.829	13.845	100.12
	5	0	4.351	4.97	114.23
	6	6	4.311	4.997	115.91
	6	4090	4.356	5.067	116.32
	6	4095	13.938	13.999	100.44
	6	0	4.359	5.038	115.58
	7	7	4.392	5.05	114.98
	7	4089	4.375	5.106	116.71
	7	4095	14.047	14.095	100.34
	7	0	4.392	5.113	116.42
	8	8	4.628	4.602	99.44



	8	4088	4.684	4.629	98.83
	8	4095	24.802	25.023	100.89
	9	9	4.648	4.613	99.25
	9	4087	4.6	4.564	99.22
	9	4095	14.313	14.178	99.06
	9	0	4.581	4.546	99.24
	10	10	4.58	4.546	99.26
	10	4086	4.663	4.603	98.71
	10	4095	14.503	14.382	99.17
	10	0	4.617	4.641	100.52
	11	11	4.614	4.625	100.24
	11	4085	4.672	4.63	99.1
	11	4095	14.523	14.489	99.77
	11	0	4.678	4.634	99.06
	12	12	4.675	4.599	98.37
	12	4084	4.724	4.658	98.6
	12	4095	14.568	14.475	99.36
	12	0	4.668	4.654	99.7
	13	13	4.657	4.621	99.23
	13	4083	4.719	4.656	98.66
	13	4095	14.639	14.526	99.23
	13	0	4.695	4.65	99.04
	14	14	4.67	4.632	99.19
	14	4082	4.712	4.66	98.9
	14	4095	14.743	14.552	98.7
	14	0	4.667	4.65	99.64
	15	15	4.65	4.613	99.2
	15	4081	4.734	4.669	98.63
	15	4095	14.615	14.513	99.3
	15	0	4.671	4.661	99.79
	16	16	4.504	4.632	102.84

	16	4080	4.515	4.638	102.72
	16	4095	24.888	25.034	100.59
	17	17	4.519	4.623	102.3
	17	4079	4.493	4.612	102.65
	17	4095	14.026	14.131	100.75
	17	0	4.507	4.608	102.24
	18	18	4.464	4.594	102.91
	18	4078	4.481	4.62	103.1
	18	4095	14.025	14.021	99.97
	18	0	4.484	4.604	102.68
	19	19	4.475	4.586	102.48
	19	4077	4.482	4.609	102.83
	19	4095	14.015	14.085	100.5
	19	0	4.492	4.609	102.6
	20	20	4.481	4.593	102.5
	20	4076	4.505	4.631	102.8
	20	4095	14.062	14.206	101.02
	20	0	4.498	4.622	102.76
	21	21	4.491	4.622	102.92
	21	4075	4.518	4.636	102.61
	21	4095	14.15	14.161	100.08
	21	0	4.523	4.63	102.37
	22	22	4.505	4.627	102.71
	22	4074	4.522	4.674	103.36
	22	4095	14.109	14.159	100.35
	22	0	4.509	4.649	103.1
	23	23	4.5	4.627	102.82
	23	4073	4.529	4.648	102.63
	23	4095	14.126	14.165	100.28
	23	0	4.524	4.619	102.1
	24	24	4.509	4.616	102.37

	24	4072	4.534	4.638	102.29
	24	4095	14.141	14.148	100.05
	24	0	4.522	4.623	102.23
	25	25	4.516	4.62	102.3
	25	4071	4.528	4.651	102.72
	25	4095	14.148	14.17	100.16
	25	0	4.537	4.641	102.29
	26	26	4.541	4.628	101.92
	26	4070	4.527	4.651	102.74
	26	4095	14.094	14.141	100.33
	26	0	4.516	4.624	102.39
	27	27	4.507	4.62	102.51
	27	4069	4.537	4.64	102.27
	27	4095	14.091	14.18	100.63
	27	0	4.517	4.625	102.39
	28	28	4.509	4.621	102.48
	28	4068	4.519	4.65	102.9
	28	4095	14.065	14.136	100.5
	28	0	4.509	4.625	102.57
	29	29	4.518	4.625	102.37
	29	4067	4.521	4.643	102.7
	29	4095	14.108	14.138	100.21
	29	0	4.516	4.624	102.39
	30	30	4.525	4.629	102.3
	30	4066	4.515	4.64	102.77
	30	4095	14.091	14.152	100.43
	30	0	4.505	4.636	102.91
	31	31	4.519	4.644	102.77
	31	4065	4.514	4.648	102.97
	31	4095	14.094	14.131	100.26
	31	0	4.524	4.626	102.25

	32	32	3.496	3.176	90.85
	32	4064	3.528	3.173	89.94
	32	4095	24.909	24.938	100.12
	33	33	3.526	3.16	89.62
	33	4063	3.525	3.172	89.99
	33	4095	14.045	14.096	100.36
	33	0	3.494	3.146	90.04
	34	34	3.532	3.152	89.24
	34	4062	3.508	3.142	89.57
	34	4095	14.055	14.087	100.23
	34	0	3.486	3.139	90.05
	35	35	3.487	3.139	90.02
	35	4061	3.485	3.161	90.7
	35	4095	14.069	14.122	100.38
	35	0	3.511	3.157	89.92
	36	36	3.509	3.146	89.66
	36	4060	3.513	3.166	90.12
	36	4095	14.116	14.206	100.64
	36	0	3.515	3.165	90.04
	37	37	3.503	3.171	90.52
	37	4059	3.555	3.172	89.23
	37	4095	14.108	14.197	100.63
	37	0	3.511	3.164	90.12
	38	38	3.523	3.164	89.81
	38	4058	3.545	3.179	89.68
	38	4095	14.181	14.241	100.42
	38	0	3.549	3.168	89.26
	39	39	3.538	3.19	90.16
	39	4057	3.525	3.184	90.33
	39	4095	14.146	14.246	100.71
	39	0	3.539	3.173	89.66

	40	40	3.528	3.169	89.82
	40	4056	3.54	3.186	90
	40	4095	14.142	14.191	100.35
	40	0	3.533	3.175	89.87
	41	41	3.533	3.184	90.12
	41	4055	3.529	3.187	90.31
	41	4095	14.159	14.225	100.47
	41	0	3.534	3.197	90.46
	42	42	3.539	3.184	89.97
	42	4054	3.537	3.182	89.96
	42	4095	14.205	14.194	99.92
	42	0	3.519	3.174	90.2
	43	43	3.53	3.175	89.94
	43	4053	3.531	3.178	90
	43	4095	14.119	14.202	100.59
	43	0	3.518	3.2	90.96
	44	44	3.535	3.187	90.16
	44	4052	3.526	3.175	90.05
	44	4095	14.133	14.188	100.39
	44	0	3.538	3.181	89.91
	45	45	3.506	3.167	90.33
	45	4051	3.524	3.172	90.01
	45	4095	14.161	14.176	100.11
	45	0	3.529	3.172	89.88
	46	46	3.538	3.166	89.49
	46	4050	3.55	3.188	89.8
	46	4095	14.146	14.219	100.52
	46	0	3.515	3.171	90.21
	47	47	3.535	3.176	89.84
	47	4049	3.546	3.177	89.59
	47	4095	14.177	14.197	100.14

	47	0	3.545	3.169	89.39
	48	48	3.534	3.174	89.81
	48	4048	3.552	3.203	90.17
	48	4095	14.128	14.208	100.57
	48	0	3.548	3.182	89.68
	49	49	3.541	3.17	89.52
	49	4047	3.561	3.176	89.19
	49	4095	14.188	14.217	100.2
	49	0	3.516	3.171	90.19
	50	50	3.512	3.172	90.32
	50	4046	3.544	3.181	89.76
	50	4095	14.164	14.227	100.44
	50	0	3.512	3.183	90.63
	51	51	3.52	3.173	90.14
	51	4045	3.539	3.19	90.14
	51	4095	14.164	14.237	100.52
	51	0	3.543	3.174	89.59
	52	52	3.533	3.17	89.73
	52	4044	3.537	3.178	89.85
	52	4095	14.189	14.273	100.59
	52	0	3.545	3.183	89.79
	53	53	3.547	3.172	89.43
	53	4043	3.547	3.18	89.65
	53	4095	14.185	14.197	100.08
	53	0	3.55	3.189	89.83
	54	54	3.546	3.183	89.76
	54	4042	3.553	3.191	89.81
	54	4095	14.154	14.199	100.32
	54	0	3.54	3.183	89.92
	55	55	3.545	3.172	89.48
	55	4041	3.576	3.175	88.79

	55	4095	14.193	14.206	100.09
	55	0	3.54	3.18	89.83
	56	56	3.547	3.18	89.65
	56	4040	3.553	3.179	89.47
	56	4095	14.155	14.196	100.29
	56	0	3.552	3.172	89.3
	57	57	3.53	3.174	89.92
	57	4039	3.521	3.178	90.26
	57	4095	14.144	14.28	100.96
	57	0	3.533	3.178	89.95
	58	58	3.548	3.182	89.68
	58	4038	3.558	3.181	89.4
	58	4095	14.21	14.204	99.96
	58	0	3.534	3.171	89.73
	59	59	3.549	3.168	89.26
	59	4037	3.549	3.175	89.46
	59	4095	14.183	14.189	100.04
	59	0	3.527	3.167	89.79
	60	60	3.525	3.168	89.87
	60	4036	3.54	3.187	90.03
	60	4095	14.191	14.168	99.84
	60	0	3.512	3.168	90.21
	61	61	3.541	3.165	89.38
	61	4035	3.539	3.188	90.08
	61	4095	14.186	14.177	99.94
	61	0	3.512	3.171	90.29
	62	62	3.536	3.171	89.68
	62	4034	3.533	3.181	90.04
	62	4095	14.195	14.248	100.37
	62	0	3.527	3.173	89.96
	63	63	3.539	3.17	89.57

	63	4033	3.546	3.18	89.68
	63	4095	14.151	14.194	100.3
	63	0	3.554	3.172	89.25
	64	64	3.55	3.182	89.63
	96	0	4.588	4.696	102.35
	96	96	4.575	4.72	103.17
	128	128	4.648	4.772	102.67
	160	0	5.968	5.848	97.99
	160	160	6.065	5.916	97.54
	192	0	6.065	5.949	98.09
	192	192	7.033	6.032	85.77
	224	0	6.254	6.1	97.54
	224	224	7.181	6.083	84.71
	256	256	7.2	6.155	85.49
	288	0	7.212	7.233	100.29
	288	288	7.17	7.207	100.52
	320	0	7.158	7.212	100.75
	320	320	9.303	7.175	77.13
	352	0	7.159	7.204	100.63
	352	352	9.32	7.18	77.04
	384	0	9.374	7.207	76.88
	384	384	9.36	7.221	77.15
	416	0	9.457	9.367	99.05
	416	416	9.366	10.511	112.23
	448	0	9.39	9.373	99.82
	448	448	11.463	9.47	82.61
	480	0	9.405	9.329	99.19
	480	480	11.383	9.357	82.2
	14	1	5.094	5.011	98.37
	1024	3	21.951	22.068	100.53
	64	4	3.774	3.427	90.81



	25	2	4.88	5.013	102.73
	1056	0	19.756	19.681	99.62
	1056	33	21.678	21.703	100.12
	1184	0	21.559	21.618	100.27
	1184	37	23.744	23.68	99.73
	1312	0	23.707	23.68	99.89
	1312	41	25.858	25.754	99.6
	1440	0	25.847	25.736	99.57
	1440	45	27.839	27.78	99.79
	1568	0	27.504	27.676	100.63
	1568	49	29.507	29.684	100.6
	1696	0	29.528	29.637	100.37
	1696	53	31.601	31.659	100.18
	1824	0	31.694	31.805	100.35
	1824	57	33.57	33.798	100.68
	1952	0	33.42	33.689	100.8
	1952	61	35.563	35.729	100.47
	2080	0	47.224	47.585	100.76
	2080	65	64.287	64.49	100.32
	2208	0	49.302	49.503	100.41
	2208	69	67.021	66.917	99.84
	2336	0	51.213	51.514	100.59
	2336	73	70.393	70.536	100.2
	2464	0	53.024	53.26	100.45
	2464	77	72.572	73.129	100.77
	2592	0	54.898	55.384	100.89
	2592	81	75.913	76.293	100.5
	2720	0	56.754	57.049	100.52
	2720	85	78.711	79.066	100.45
	2848	0	58.602	58.885	100.48
	2848	89	81.448	82.08	100.78

	2976	0	60.741	60.82	100.13
	2976	93	84.161	84.842	100.81
	3104	0	62.546	62.462	99.87
	3104	97	86.889	86.908	100.02
	3232	0	64.448	64.44	99.99
	3232	101	90.124	90.425	100.33
	3360	0	66.326	66.476	100.23
	3360	105	92.496	92.839	100.37
	3488	0	68.284	68.445	100.24
	3488	109	95.909	96.119	100.22
	3616	0	70.307	70.399	100.13
	3616	113	98.428	98.7	100.28
	3744	0	72.278	72.393	100.16
	3744	117	101.473	101.738	100.26
	3872	0	74.355	74.303	99.93
	3872	121	104.565	104.623	100.06
	4000	0	76.025	76.43	100.53
	4000	125	122.438	122.538	100.08
	4128	0	77.539	78.209	100.86
	4128	129	120.821	122.099	101.06
	4256	0	79.311	80.291	101.24
	4256	133	121.71	122.583	100.72
	4384	0	81.523	82.204	100.84
	4384	137	123.097	122.922	99.86
	4512	0	83.624	83.904	100.33
	4512	141	124.076	123.773	99.76
	4640	0	85.481	85.798	100.37
	4640	145	126.267	126.757	100.39
	4768	0	87.341	87.613	100.31
	4768	149	142.641	143.516	100.61
	4896	0	91.629	91.729	100.11

	4896	153	138.879	139.75	100.63
	5024	0	91.191	91.598	100.45
	5024	157	139.246	139.889	100.46
	5152	0	92.705	93.492	100.85
	5152	161	138.857	140.098	100.89
	5280	0	94.647	95.144	100.53
	5280	165	140.836	141.51	100.48
	5408	0	96.887	97.503	100.64
	5408	169	143.866	144.913	100.73
	5536	0	98.229	99.375	101.17
	5536	173	145.971	148.869	101.99
	5664	0	100.651	101.539	100.88
	5664	177	150.262	150.352	100.06
	5792	0	102.729	102.624	99.9
	5792	181	152.958	152.522	99.71
	5920	0	104.49	104.871	100.36
	5920	185	155.518	155.156	99.77
	6048	0	106.054	106.504	100.42
	6048	189	158.455	158.832	100.24
	6176	0	108.362	108.815	100.42
	6176	193	161.044	161.158	100.07
	6304	0	110.067	110.653	100.53
	6304	197	163.765	163.95	100.11
	6432	0	113.62	112.564	99.07
	6432	201	166.427	167.671	100.75
	6560	0	114.058	114.746	100.6
	6560	205	169.287	169.806	100.31
	6688	0	116.201	116.359	100.14
	6688	209	171.594	172.57	100.57
	6816	0	117.912	119.374	101.24
	6816	213	174.594	175.591	100.57

	6944	0	119.849	119.769	99.93
	6944	217	178.299	178.237	99.97
	7072	0	121.84	122.057	100.18
	7072	221	181.513	181.055	99.75
	7200	0	124.092	124.116	100.02
	7200	225	184.937	185.521	100.32
	7328	0	126.104	125.752	99.72
	7328	229	186.805	187.732	100.5
	7456	0	126.863	128.295	101.13
	7456	233	189.362	190.041	100.36
	7584	0	129.73	130.226	100.38
	7584	237	191.717	193.77	101.07
	7712	0	131.983	132.118	100.1
	7712	241	195.487	195.793	100.16
	7840	0	133.581	133.779	100.15
	7840	245	198.255	198.984	100.37
	7968	0	134.868	135.571	100.52
	7968	249	219.454	220.314	100.39
	8096	0	136.488	137.219	100.54
	8096	253	220.495	222.041	100.7
	131072	3	12128.388	12634.126	104.17
	262144	0	8524.659	8573.215	100.57
	262144	3	23830.828	24617.808	103.3
	524288	0	19908.957	20005.197	100.48
	524288	3	45799.444	45711.326	99.81
	1048576	0	48721.17	48808.01	100.18
	1048576	3	82195.692	81664.54	99.35
	2097152	0	128227.995	128873.203	100.5
	2097152	3	139435.973	139296.261	99.9
	4194304	0	384480.097	385426.502	100.25
	4194304	3	272687.795	273314.094	100.23

	8388608	0	1350111.813	1358062.157	100.59
	8388608	3	634083.145	637493.969	100.54
	16777216	0	4939230.696	4972159.114	100.67
	16777216	3	1506171.904	1504613.725	99.9
	33554432	0	18261989.3	18398399.68	100.75
	33554432	3	2986226.136	2990671.598	100.15
	67108864	0	5970187.043	5977323.124	100.12
	67108864	3	6101410.556	6119967.787	100.3
	129	0	6.388	6.371	99.73
	257	0	8.501	8.504	100.04
	513	0	12.709	12.777	100.54
	1025	0	20.961	21.068	100.51
	2049	0	48.764	49.002	100.49
	4097	0	81.655	81.664	100.01
	8193	0	146.092	146.928	100.57
	16385	0	276.989	277.959	100.35
	32769	0	555.586	555.087	99.91
	65537	0	1743.355	1762.304	101.09
	131073	0	3722.954	3732.411	100.25
	262145	0	8491.02	8540.255	100.58
	524289	0	19954.747	20104.255	100.75
	1048577	0	48301.323	48548.586	100.51
	2097153	0	128595.488	129806.604	100.94
	4194305	0	384412.548	387761.681	100.87
	8388609	0	1357547.424	1362214.888	100.34
	16777217	0	4953190.645	4975862.069	100.46
	33554433	0	18390488.63	18368172.41	99.88
<b>Results For Tigerlake memset-evex</b>					
	size	al1	Cur T	New T	New / Cur

	1	0	4.789	4.157	86.8
	2	0	4.769	4.152	87.06
	4	0	4.755	4.127	86.79
	8	0	4.747	4.126	86.92
	16	0	4.753	4.129	86.87
	32	0	3.399	3.417	100.53
	64	0	3.393	3.418	100.74
	128	0	3.984	4.032	101.2
	256	0	6.911	5.712	82.65
	512	0	9.77	6.71	68.68
	1024	0	15.964	12.249	76.73
	2048	0	24.728	20.869	84.39
	4096	0	55.563	41.067	73.91
	8192	0	96.051	95.319	99.24
	16384	0	179.048	177.996	99.41
	32768	0	348.397	347.42	99.72
	65536	0	2116.321	2098.577	99.16
	131072	0	4285.775	4259.213	99.38
	1	1	4.691	4.061	86.57
	1	4095	5.25	4.329	82.46
	2	2	4.69	4.067	86.72
	2	4094	5.717	4.781	83.63
	2	4095	32.824	32.811	99.96
	3	3	4.694	4.072	86.75
	3	4093	5.381	4.704	87.42
	3	4095	17.561	17.561	100
	3	0	4.686	4.061	86.66
	4	4	4.684	4.057	86.61
	4	4092	5.362	4.682	87.32
	4	4095	32.773	32.804	100.09
	5	5	4.679	4.055	86.66

	5	4091	5.352	4.677	87.39
	5	4095	17.528	17.556	100.16
	5	0	4.691	4.057	86.48
	6	6	4.681	4.056	86.65
	6	4090	5.362	4.688	87.43
	6	4095	17.54	17.576	100.21
	6	0	4.683	4.06	86.7
	7	7	4.684	4.062	86.72
	7	4089	5.31	4.679	88.12
	7	4095	17.541	17.563	100.13
	7	0	4.687	4.051	86.43
	8	8	4.681	4.057	86.67
	8	4088	5.446	6.287	115.44
	8	4095	32.836	32.839	100.01
	9	9	4.688	4.067	86.75
	9	4087	5.354	5.358	100.07
	9	4095	17.545	17.554	100.05
	9	0	4.68	4.057	86.69
	10	10	4.683	4.066	86.82
	10	4086	5.298	5.318	100.38
	10	4095	17.539	17.569	100.17
	10	0	4.684	4.058	86.64
	11	11	4.694	4.067	86.64
	11	4085	5.329	5.34	100.21
	11	4095	17.53	17.575	100.26
	11	0	4.689	4.06	86.59
	12	12	4.68	4.056	86.67
	12	4084	5.317	5.355	100.71
	12	4095	17.54	17.558	100.1
	12	0	4.682	4.052	86.54
	13	13	4.684	4.049	86.44

	13	4083	5.303	5.349	100.87
	13	4095	17.521	17.554	100.19
	13	0	4.687	4.06	86.62
	14	14	4.677	4.057	86.74
	14	4082	5.302	5.337	100.66
	14	4095	17.512	17.551	100.22
	14	0	4.683	4.057	86.63
	15	15	4.682	4.059	86.69
	15	4081	5.323	5.317	99.89
	15	4095	17.522	17.622	100.57
	15	0	4.68	4.059	86.73
	16	16	4.676	4.061	86.85
	16	4080	5.951	4.682	78.68
	16	4095	32.727	32.804	100.24
	17	17	4.694	4.06	86.49
	17	4079	5.946	4.673	78.59
	17	4095	17.529	17.57	100.23
	17	0	4.686	4.056	86.56
	18	18	4.686	4.056	86.56
	18	4078	5.936	4.671	78.69
	18	4095	17.522	17.557	100.2
	18	0	4.676	4.058	86.78
	19	19	4.682	4.054	86.59
	19	4077	5.928	4.68	78.95
	19	4095	17.52	17.558	100.22
	19	0	4.677	4.063	86.87
	20	20	4.669	4.062	87
	20	4076	5.922	4.69	79.2
	20	4095	17.501	17.553	100.3
	20	0	4.667	4.05	86.78
	21	21	4.666	4.059	86.99



	21	4075	5.929	4.687	79.05
	21	4095	17.51	17.546	100.21
	21	0	4.669	4.07	87.17
	22	22	4.67	4.058	86.9
	22	4074	5.905	4.682	79.29
	22	4095	17.48	17.551	100.41
	22	0	4.66	4.052	86.95
	23	23	4.661	4.051	86.91
	23	4073	5.927	4.672	78.83
	23	4095	17.463	17.556	100.53
	23	0	4.663	4.054	86.94
	24	24	4.662	4.062	87.13
	24	4072	5.91	4.675	79.1
	24	4095	17.476	17.542	100.38
	24	0	4.661	4.048	86.85
	25	25	4.659	4.052	86.97
	25	4071	5.906	4.691	79.43
	25	4095	17.451	17.553	100.58
	25	0	4.653	4.051	87.06
	26	26	4.656	4.048	86.94
	26	4070	5.905	4.673	79.14
	26	4095	17.429	17.545	100.67
	26	0	4.653	4.059	87.23
	27	27	4.658	4.064	87.25
	27	4069	5.908	4.671	79.06
	27	4095	17.436	17.562	100.72
	27	0	4.658	4.065	87.27
	28	28	4.655	4.059	87.2
	28	4068	5.889	4.676	79.4
	28	4095	17.446	17.573	100.73
	28	0	4.652	4.056	87.19

	29	29	4.653	4.056	87.17
	29	4067	5.889	4.683	79.52
	29	4095	17.411	17.555	100.83
	29	0	4.643	4.051	87.25
	30	30	4.646	4.064	87.47
	30	4066	5.906	4.68	79.24
	30	4095	17.424	17.553	100.74
	30	0	4.655	4.063	87.28
	31	31	4.645	4.054	87.28
	31	4065	5.885	4.671	79.37
	31	4095	17.399	17.551	100.87
	31	0	4.652	4.053	87.12
	32	32	3.368	3.395	100.8
	32	4064	3.381	3.396	100.44
	32	4095	32.515	32.798	100.87
	33	33	3.376	3.399	100.68
	33	4063	3.375	3.399	100.71
	33	4095	17.382	17.545	100.94
	33	0	3.379	3.395	100.47
	34	34	3.383	3.415	100.95
	34	4062	3.383	3.401	100.53
	34	4095	17.384	17.548	100.94
	34	0	3.387	3.397	100.3
	35	35	3.374	3.396	100.65
	35	4061	3.371	3.396	100.74
	35	4095	17.374	17.545	100.98
	35	0	3.37	3.387	100.5
	36	36	3.375	3.399	100.71
	36	4060	3.37	3.394	100.71
	36	4095	17.378	17.527	100.86
	36	0	3.374	3.398	100.71

	37	37	3.369	3.391	100.65
	37	4059	3.37	3.397	100.8
	37	4095	17.369	17.549	101.04
	37	0	3.364	3.395	100.92
	38	38	3.366	3.399	100.98
	38	4058	3.372	3.386	100.42
	38	4095	17.374	17.509	100.78
	38	0	3.374	3.391	100.5
	39	39	3.373	3.39	100.5
	39	4057	3.366	3.393	100.8
	39	4095	17.373	17.531	100.91
	39	0	3.365	3.387	100.65
	40	40	3.368	3.386	100.53
	40	4056	3.361	3.387	100.77
	40	4095	17.354	17.541	101.08
	40	0	3.361	3.383	100.65
	41	41	3.363	3.389	100.77
	41	4055	3.358	3.388	100.89
	41	4095	17.351	17.516	100.95
	41	0	3.371	3.386	100.44
	42	42	3.371	3.388	100.5
	42	4054	3.364	3.385	100.62
	42	4095	17.338	17.507	100.97
	42	0	3.353	3.389	101.07
	43	43	3.356	3.386	100.89
	43	4053	3.353	3.393	101.19
	43	4095	17.333	17.489	100.9
	43	0	3.35	3.396	101.37
	44	44	3.352	3.389	101.1
	44	4052	3.35	3.382	100.96
	44	4095	17.345	17.483	100.8

	44	0	3.354	3.385	100.92
	45	45	3.366	3.393	100.8
	45	4051	3.359	3.387	100.83
	45	4095	17.346	17.487	100.81
	45	0	3.357	3.383	100.77
	46	46	3.363	3.383	100.59
	46	4050	3.362	3.378	100.48
	46	4095	17.319	17.502	101.06
	46	0	3.36	3.383	100.68
	47	47	3.367	3.387	100.59
	47	4049	3.353	3.376	100.69
	47	4095	17.337	17.52	101.06
	47	0	3.37	3.385	100.45
	48	48	3.377	3.39	100.38
	48	4048	3.356	3.382	100.77
	48	4095	17.328	17.488	100.92
	48	0	3.353	3.38	100.81
	49	49	3.365	3.389	100.71
	49	4047	3.352	3.376	100.72
	49	4095	17.322	17.471	100.86
	49	0	3.355	3.38	100.75
	50	50	3.356	3.38	100.72
	50	4046	3.358	3.385	100.8
	50	4095	17.317	17.489	100.99
	50	0	3.373	3.385	100.36
	51	51	3.363	3.387	100.71
	51	4045	3.357	3.386	100.86
	51	4095	17.322	17.471	100.86
	51	0	3.355	3.377	100.66
	52	52	3.359	3.379	100.6
	52	4044	3.357	3.377	100.6

	52	4095	17.336	17.481	100.84
	52	0	3.365	3.382	100.51
	53	53	3.368	3.375	100.21
	53	4043	3.362	3.376	100.42
	53	4095	17.331	17.463	100.76
	53	0	3.363	3.378	100.45
	54	54	3.358	3.37	100.36
	54	4042	3.363	3.397	101.01
	54	4095	17.334	17.45	100.67
	54	0	3.356	3.378	100.66
	55	55	3.351	3.379	100.84
	55	4041	3.36	3.405	101.34
	55	4095	17.306	17.446	100.81
	55	0	3.352	3.368	100.48
	56	56	3.361	3.379	100.54
	56	4040	3.364	3.391	100.8
	56	4095	17.313	17.454	100.81
	56	0	3.353	3.375	100.66
	57	57	3.354	3.371	100.51
	57	4039	3.36	3.39	100.89
	57	4095	17.295	17.428	100.77
	57	0	3.351	3.374	100.69
	58	58	3.358	3.384	100.77
	58	4038	3.363	3.392	100.86
	58	4095	17.311	17.427	100.67
	58	0	3.352	3.368	100.48
	59	59	3.354	3.381	100.81
	59	4037	3.357	3.369	100.36
	59	4095	17.327	17.429	100.59
	59	0	3.356	3.369	100.39
	60	60	3.352	3.376	100.72

	60	4036	3.346	3.372	100.78
	60	4095	17.321	17.435	100.66
	60	0	3.356	3.37	100.42
	61	61	3.345	3.374	100.87
	61	4035	3.347	3.373	100.78
	61	4095	17.301	17.418	100.68
	61	0	3.345	3.363	100.54
	62	62	3.341	3.373	100.96
	62	4034	3.354	3.366	100.36
	62	4095	17.288	17.443	100.9
	62	0	3.351	3.367	100.48
	63	63	3.35	3.37	100.6
	63	4033	3.349	3.365	100.48
	63	4095	17.305	17.415	100.64
	63	0	3.343	3.373	100.9
	64	64	3.35	3.374	100.72
	96	0	3.997	3.998	100.03
	96	96	3.984	3.997	100.33
	128	128	3.981	3.996	100.38
	160	0	5.871	5.885	100.24
	160	160	5.863	5.897	100.58
	192	0	5.857	5.885	100.48
	192	192	6.074	5.884	96.87
	224	0	5.86	5.887	100.46
	224	224	6.523	5.886	90.23
	256	256	7.107	5.902	83.04
	288	0	7.103	6.148	86.55
	288	288	7.108	5.971	84
	320	0	7.106	5.966	83.96
	320	320	9.154	5.956	65.06
	352	0	7.121	5.961	83.71

	352	352	9.227	5.959	64.58
	384	0	9.615	5.96	61.99
	384	384	9.663	5.955	61.63
	416	0	9.625	6.904	71.73
	416	416	9.454	7.217	76.34
	448	0	9.66	7.096	73.46
	448	448	10.407	7.574	72.78
	480	0	9.704	6.888	70.98
	480	480	10.384	6.943	66.86
	14	1	4.623	4.025	87.06
	1024	3	17.253	17.242	99.94
	64	4	3.35	3.379	100.87
	25	2	4.62	4.032	87.27
	1056	0	16.983	13.483	79.39
	1056	33	17.019	17.022	100.02
	1184	0	16.441	14.716	89.51
	1184	37	19.654	18.293	93.08
	1312	0	17.014	15.228	89.5
	1312	41	19.33	19.539	101.08
	1440	0	18.172	16.429	90.41
	1440	45	20.485	20.79	101.49
	1568	0	19.436	17.658	90.85
	1568	49	21.73	22.025	101.36
	1696	0	20.632	18.945	91.82
	1696	53	22.942	23.26	101.39
	1824	0	21.837	20.164	92.34
	1824	57	24.218	24.5	101.16
	1952	0	23.074	21.485	93.11
	1952	61	25.401	25.767	101.44
	2080	0	24.37	22.752	93.36
	2080	65	26.627	26.996	101.39

	2208	0	25.505	24.007	94.13
	2208	69	27.852	28.245	101.41
	2336	0	26.725	25.344	94.83
	2336	73	29.096	29.511	101.43
	2464	0	27.975	26.384	94.31
	2464	77	30.407	30.872	101.53
	2592	0	29.46	27.732	94.13
	2592	81	32.636	31.99	98.02
	2720	0	31.322	28.938	92.39
	2720	85	33.004	33.317	100.95
	2848	0	35.896	30.32	84.47
	2848	89	35.781	34.479	96.36
	2976	0	38.319	31.437	82.04
	2976	93	38.324	35.786	93.38
	3104	0	44.046	32.634	74.09
	3104	97	48.208	37.072	76.9
	3232	0	41.886	33.89	80.91
	3232	101	51.539	38.596	74.89
	3360	0	45.686	35.128	76.89
	3360	105	53.757	39.573	73.61
	3488	0	48.111	36.491	75.85
	3488	109	54.386	40.966	75.32
	3616	0	48.857	37.781	77.33
	3616	113	56.884	41.956	73.76
	3744	0	50.847	38.876	76.46
	3744	117	57.533	43.428	75.48
	3872	0	51.481	40.235	78.16
	3872	121	58.234	44.547	76.5
	4000	0	52.423	41.468	79.1
	4000	125	75.352	60.232	79.93
	4128	0	55.029	42.897	77.95



	4128	129	60.692	47.319	77.97
	4256	0	55.856	44.236	79.2
	4256	133	61.583	48.585	78.89
	4384	0	56.907	45.481	79.92
	4384	137	62.097	50.05	80.6
	4512	0	59.021	46.829	79.34
	4512	141	64.598	51.134	79.16
	4640	0	59.66	48.677	81.59
	4640	145	65.291	52.879	80.99
	4768	0	61.206	51.445	84.05
	4768	149	65.876	55.481	84.22
	4896	0	62.828	55.216	87.88
	4896	153	68.446	59.578	87.04
	5024	0	64.314	60.914	94.71
	5024	157	69.128	62.44	90.33
	5152	0	64.883	62.988	97.08
	5152	161	70.259	65.025	92.55
	5280	0	66.54	65.171	97.94
	5280	165	72.71	66.868	91.97
	5408	0	67.123	67.732	100.91
	5408	169	73.33	68.777	93.79
	5536	0	68.303	69.055	101.1
	5536	173	74.011	70.52	95.28
	5664	0	70.387	70.462	100.11
	5664	177	76.471	71.518	93.52
	5792	0	70.943	70.842	99.86
	5792	181	77.071	72.112	93.57
	5920	0	72.358	71.155	98.34
	5920	185	77.699	72.955	93.89
	6048	0	74.091	72.526	97.89
	6048	189	80.219	73.95	92.19

	6176	0	74.648	73.929	99.04
	6176	193	80.424	75.241	93.56
	6304	0	76.107	75.564	99.29
	6304	197	80.913	77.278	95.51
	6432	0	77.689	76.67	98.69
	6432	201	83.345	78.568	94.27
	6560	0	78.335	78.477	100.18
	6560	205	83.94	80.447	95.84
	6688	0	79.803	80.097	100.37
	6688	209	84.811	81.277	95.83
	6816	0	81.721	82.49	100.94
	6816	213	86.904	84.071	96.74
	6944	0	82.024	84.741	103.31
	6944	217	87.68	84.933	96.87
	7072	0	83.382	85.735	102.82
	7072	221	88.518	86.927	98.2
	7200	0	85.041	85.89	101
	7200	225	91.833	87.517	95.3
	7328	0	85.738	87.378	101.91
	7328	229	92.532	88.572	95.72
	7456	0	86.851	87.772	101.06
	7456	233	94.842	88.878	93.71
	7584	0	88.673	89.468	100.9
	7584	237	95.474	90.057	94.33
	7712	0	89.344	90.617	101.42
	7712	241	96.08	92.11	95.87
	7840	0	90.605	92.195	101.75
	7840	245	98.273	93.09	94.73
	7968	0	91.73	92.556	100.9
	7968	249	112.611	105.748	93.91
	8096	0	92.033	93.505	101.6

	8096	253	98.748	95.213	96.42
	131072	3	7359.208	7410.621	100.7
	262144	0	8886.357	8858.458	99.69
	262144	3	14439.886	14445.783	100.04
	524288	0	19184.386	19171.53	99.93
	524288	3	28657.076	28572.341	99.7
	1048576	0	47379.808	47198.809	99.62
	1048576	3	59341.288	60009.65	101.13
	2097152	0	160956.697	160534.068	99.74
	2097152	3	164016.186	162837.101	99.28
	4194304	0	428580.268	427094.431	99.65
	4194304	3	336372.688	335921.493	99.87
	8388608	0	1314442.248	1313045.879	99.89
	8388608	3	717852.404	721574.834	100.52
	16777216	0	5713603.937	5712009.173	99.97
	16777216	3	2414842.552	2434037.562	100.79
	33554432	0	17106702.83	17076252.42	99.82
	33554432	3	8287602.736	8131194.906	98.11
	67108864	0	16130827.98	16105130.08	99.84
	67108864	3	16294622.59	16267350.9	99.83
	129	0	6.298	5.664	89.93
	257	0	8.147	6.967	85.52
	513	0	10.683	9.484	88.78
	1025	0	16.16	14.555	90.07
	2049	0	25.748	24.61	95.58
	4097	0	71.343	59.428	83.3
	8193	0	110.725	106.944	96.59
	16385	0	195.139	189.98	97.36
	32769	0	363.295	359.331	98.91
	65537	0	2146.281	2129.065	99.2
	131073	0	4314.334	4296.688	99.59

	262145	0	8919.862	8898.83	99.76
	524289	0	19289.66	19207.632	99.57
	1048577	0	47425.786	47271.156	99.67
	2097153	0	161266.736	161276.156	100.01
	4194305	0	428030.058	427175.763	99.8
	8388609	0	1314778.182	1312543.003	99.83
	16777217	0	5698288.014	5721290.574	100.4
	33554433	0	17276290.6	17165343.26	99.36
<b>Results For Tigerlake memset-evex-erms</b>					
	size	al1	Cur T	New T	New / Cur
	1	0	4.12	4.132	100.29
	2	0	4.113	4.161	101.17
	4	0	4.12	4.136	100.39
	8	0	4.109	4.135	100.63
	16	0	4.114	4.135	100.51
	32	0	2.789	2.796	100.25
	64	0	2.787	2.791	100.14
	128	0	3.89	3.98	102.31
	256	0	6.923	5.726	82.71
	512	0	9.604	7.053	73.44
	1024	0	15.923	12.582	79.02
	2048	0	24.7	20.859	84.45
	4096	0	50.875	51.01	100.27
	8192	0	92.392	92.17	99.76
	16384	0	174.789	174.159	99.64
	32768	0	345.542	345.584	100.01
	65536	0	2169.854	2166.467	99.84
	131072	0	4448.68	4436.033	99.72
	1	1	4.054	4.058	100.1
	1	4095	4.081	4.141	101.47

	2	2	4.055	4.062	100.17
	2	4094	4.684	4.685	100.02
	2	4095	32.79	32.836	100.14
	3	3	4.061	4.068	100.17
	3	4093	4.67	4.674	100.09
	3	4095	17.567	17.557	99.94
	3	0	4.055	4.067	100.3
	4	4	4.046	4.067	100.52
	4	4092	4.669	4.671	100.04
	4	4095	32.768	32.821	100.16
	5	5	4.053	4.069	100.39
	5	4091	4.682	4.669	99.72
	5	4095	17.558	17.561	100.02
	5	0	4.064	4.068	100.1
	6	6	4.063	4.057	99.85
	6	4090	4.678	4.674	99.91
	6	4095	17.549	17.576	100.15
	6	0	4.052	4.063	100.27
	7	7	4.048	4.06	100.3
	7	4089	4.686	4.684	99.96
	7	4095	17.564	17.584	100.11
	7	0	4.053	4.066	100.32
	8	8	4.05	4.066	100.4
	8	4088	4.689	5.538	118.11
	8	4095	32.785	32.829	100.13
	9	9	4.072	4.062	99.75
	9	4087	4.682	5.357	114.42
	9	4095	17.537	17.567	100.17
	9	0	4.05	4.065	100.37
	10	10	4.053	4.068	100.37
	10	4086	4.674	5.338	114.21

	10	4095	17.539	17.577	100.22
	10	0	4.049	4.067	100.44
	11	11	4.053	4.064	100.27
	11	4085	4.686	5.324	113.62
	11	4095	17.549	17.551	100.01
	11	0	4.051	4.066	100.37
	12	12	4.056	4.065	100.22
	12	4084	4.665	5.326	114.17
	12	4095	17.53	17.572	100.24
	12	0	4.066	4.07	100.1
	13	13	4.05	4.073	100.57
	13	4083	4.688	5.317	113.42
	13	4095	17.517	17.549	100.18
	13	0	4.046	4.064	100.44
	14	14	4.049	4.067	100.44
	14	4082	4.666	5.344	114.53
	14	4095	17.521	17.546	100.14
	14	0	4.062	4.08	100.44
	15	15	4.051	4.067	100.39
	15	4081	4.687	5.32	113.51
	15	4095	17.529	17.624	100.54
	15	0	4.04	4.068	100.69
	16	16	4.06	4.08	100.49
	16	4080	5.309	4.677	88.1
	16	4095	32.757	32.811	100.16
	17	17	4.063	4.066	100.07
	17	4079	5.317	4.673	87.89
	17	4095	17.53	17.588	100.33
	17	0	4.057	4.075	100.44
	18	18	4.051	4.064	100.32
	18	4078	5.304	4.673	88.1

	18	4095	17.537	17.562	100.14
	18	0	4.046	4.068	100.54
	19	19	4.045	4.065	100.49
	19	4077	5.3	4.671	88.13
	19	4095	17.489	17.589	100.57
	19	0	4.057	4.066	100.22
	20	20	4.05	4.067	100.42
	20	4076	5.297	4.681	88.37
	20	4095	17.512	17.557	100.26
	20	0	4.058	4.067	100.22
	21	21	4.054	4.067	100.32
	21	4075	5.285	4.671	88.38
	21	4095	17.491	17.571	100.46
	21	0	4.039	4.066	100.67
	22	22	4.039	4.064	100.62
	22	4074	5.286	4.675	88.44
	22	4095	17.462	17.55	100.5
	22	0	4.036	4.058	100.55
	23	23	4.039	4.06	100.52
	23	4073	5.274	4.676	88.66
	23	4095	17.493	17.561	100.39
	23	0	4.039	4.073	100.84
	24	24	4.039	4.067	100.69
	24	4072	5.288	4.668	88.28
	24	4095	17.468	17.552	100.48
	24	0	4.04	4.057	100.42
	25	25	4.033	4.069	100.89
	25	4071	5.28	4.675	88.54
	25	4095	17.466	17.549	100.48
	25	0	4.034	4.074	100.99
	26	26	4.03	4.06	100.74

	26	4070	5.277	4.675	88.59
	26	4095	17.425	17.537	100.64
	26	0	4.034	4.067	100.82
	27	27	4.037	4.059	100.54
	27	4069	5.273	4.665	88.47
	27	4095	17.439	17.555	100.67
	27	0	4.029	4.062	100.82
	28	28	4.027	4.069	101.04
	28	4068	5.275	4.678	88.68
	28	4095	17.428	17.551	100.71
	28	0	4.027	4.063	100.89
	29	29	4.029	4.065	100.89
	29	4067	5.259	4.683	89.05
	29	4095	17.421	17.544	100.71
	29	0	4.029	4.078	101.22
	30	30	4.031	4.062	100.77
	30	4066	5.262	4.687	89.07
	30	4095	17.428	17.562	100.77
	30	0	4.019	4.072	101.32
	31	31	4.024	4.057	100.82
	31	4065	5.268	4.669	88.63
	31	4095	17.417	17.539	100.7
	31	0	4.039	4.065	100.64
	32	32	2.782	2.786	100.14
	32	4064	2.799	2.796	99.89
	32	4095	32.525	32.774	100.77
	33	33	3.389	3.396	100.21
	33	4063	2.788	2.773	99.46
	33	4095	17.392	17.533	100.81
	33	0	2.766	2.776	100.36
	34	34	3.378	3.402	100.71



	34	4062	2.79	2.781	99.68
	34	4095	17.384	17.528	100.83
	34	0	2.769	2.768	99.96
	35	35	3.377	3.389	100.36
	35	4061	2.774	2.772	99.93
	35	4095	17.367	17.535	100.97
	35	0	2.775	2.763	99.57
	36	36	3.379	3.386	100.21
	36	4060	2.77	2.762	99.71
	36	4095	17.372	17.524	100.87
	36	0	2.768	2.763	99.82
	37	37	3.368	3.397	100.86
	37	4059	2.765	2.766	100.04
	37	4095	17.367	17.525	100.91
	37	0	2.773	2.764	99.68
	38	38	3.376	3.395	100.56
	38	4058	2.774	2.768	99.78
	38	4095	17.386	17.516	100.75
	38	0	2.758	2.771	100.47
	39	39	3.374	3.392	100.53
	39	4057	2.775	2.767	99.71
	39	4095	17.365	17.542	101.02
	39	0	2.764	2.77	100.22
	40	40	3.37	3.396	100.77
	40	4056	2.776	2.761	99.46
	40	4095	17.369	17.533	100.94
	40	0	2.768	2.756	99.57
	41	41	3.379	3.394	100.44
	41	4055	2.76	2.767	100.25
	41	4095	17.341	17.527	101.07
	41	0	2.761	2.769	100.29

	42	42	3.376	3.4	100.71
	42	4054	2.779	2.772	99.75
	42	4095	17.344	17.526	101.05
	42	0	2.767	2.768	100.04
	43	43	3.385	3.385	100
	43	4053	2.761	2.763	100.07
	43	4095	17.397	17.513	100.67
	43	0	2.768	2.762	99.78
	44	44	3.36	3.385	100.74
	44	4052	2.756	2.76	100.15
	44	4095	17.356	17.526	100.98
	44	0	2.764	2.759	99.82
	45	45	3.359	3.395	101.07
	45	4051	2.761	2.771	100.36
	45	4095	17.359	17.48	100.7
	45	0	2.758	2.754	99.85
	46	46	3.365	3.382	100.51
	46	4050	2.756	2.758	100.07
	46	4095	17.321	17.507	101.07
	46	0	2.754	2.753	99.96
	47	47	3.368	3.39	100.65
	47	4049	2.759	2.761	100.07
	47	4095	17.34	17.487	100.85
	47	0	2.753	2.751	99.93
	48	48	2.752	2.76	100.29
	48	4048	2.746	2.754	100.29
	48	4095	17.321	17.468	100.85
	48	0	2.75	2.757	100.25
	49	49	2.754	2.759	100.18
	49	4047	2.76	2.753	99.75
	49	4095	17.319	17.496	101.02

	49	0	2.758	2.755	99.89
	50	50	2.758	2.75	99.71
	50	4046	2.754	2.751	99.89
	50	4095	17.326	17.479	100.88
	50	0	2.754	2.757	100.11
	51	51	2.756	2.752	99.85
	51	4045	2.751	2.761	100.36
	51	4095	17.332	17.483	100.87
	51	0	2.75	2.744	99.78
	52	52	2.75	2.749	99.96
	52	4044	2.766	2.748	99.35
	52	4095	17.326	17.461	100.78
	52	0	2.751	2.752	100.04
	53	53	2.756	2.746	99.64
	53	4043	2.754	2.749	99.82
	53	4095	17.324	17.465	100.81
	53	0	2.746	2.748	100.07
	54	54	2.749	2.754	100.18
	54	4042	2.752	2.767	100.55
	54	4095	17.314	17.444	100.75
	54	0	2.74	2.742	100.07
	55	55	2.754	2.739	99.46
	55	4041	2.746	2.767	100.76
	55	4095	17.33	17.441	100.64
	55	0	2.748	2.745	99.89
	56	56	2.746	2.751	100.18
	56	4040	2.754	2.766	100.44
	56	4095	17.325	17.434	100.63
	56	0	2.739	2.745	100.22
	57	57	2.741	2.747	100.22
	57	4039	2.742	2.775	101.2

	57	4095	17.295	17.421	100.73
	57	0	2.754	2.749	99.82
	58	58	2.744	2.745	100.04
	58	4038	2.752	2.774	100.8
	58	4095	17.312	17.429	100.68
	58	0	2.754	2.739	99.46
	59	59	2.749	2.744	99.82
	59	4037	2.739	2.744	100.18
	59	4095	17.312	17.42	100.62
	59	0	2.752	2.749	99.89
	60	60	2.742	2.754	100.44
	60	4036	2.734	2.741	100.26
	60	4095	17.304	17.438	100.77
	60	0	2.733	2.745	100.44
	61	61	2.754	2.744	99.64
	61	4035	2.732	2.737	100.18
	61	4095	17.29	17.406	100.67
	61	0	2.739	2.741	100.07
	62	62	2.748	2.745	99.89
	62	4034	2.735	2.738	100.11
	62	4095	17.295	17.415	100.69
	62	0	2.737	2.734	99.89
	63	63	2.733	2.74	100.26
	63	4033	2.733	2.74	100.26
	63	4095	17.302	17.427	100.72
	63	0	2.735	2.742	100.26
	64	64	2.733	2.736	100.11
	96	0	4.035	4.028	99.83
	96	96	4.018	4.009	99.78
	128	128	3.998	4.009	100.28
	160	0	5.968	5.89	98.69

	160	160	5.942	5.888	99.09
	192	0	5.952	5.907	99.24
	192	192	6.064	5.893	97.18
	224	0	5.908	5.894	99.76
	224	224	6.496	5.885	90.59
	256	256	7.114	5.885	82.72
	288	0	7.104	6.005	84.53
	288	288	7.097	5.985	84.33
	320	0	7.099	5.981	84.25
	320	320	9.162	5.984	65.31
	352	0	7.116	5.976	83.98
	352	352	9.147	5.969	65.26
	384	0	9.673	5.967	61.69
	384	384	9.66	5.972	61.82
	416	0	9.654	6.839	70.84
	416	416	9.733	7.208	74.06
	448	0	9.657	6.875	71.19
	448	448	10.604	7.761	73.19
	480	0	9.691	6.814	70.31
	480	480	10.596	7.103	67.03
	14	1	3.991	4.033	101.05
	1024	3	17.361	17.244	99.33
	64	4	2.805	2.766	98.61
	25	2	4.001	4.032	100.77
	1056	0	17.365	13.573	78.16
	1056	33	17.508	17.036	97.3
	1184	0	16.482	14.766	89.59
	1184	37	18.796	18.271	97.21
	1312	0	17.32	15.254	88.07
	1312	41	19.536	19.535	99.99
	1440	0	18.429	16.439	89.2

	1440	45	20.656	20.749	100.45
	1568	0	19.625	17.653	89.95
	1568	49	21.936	22.005	100.31
	1696	0	20.794	18.937	91.07
	1696	53	23.043	23.246	100.88
	1824	0	21.983	20.145	91.64
	1824	57	24.248	24.51	101.08
	1952	0	23.205	21.458	92.47
	1952	61	25.403	25.751	101.37
	2080	0	38.101	38.525	101.11
	2080	65	37.926	38.619	101.83
	2208	0	38.682	39.23	101.42
	2208	69	38.691	39.175	101.25
	2336	0	39.142	39.815	101.72
	2336	73	39.334	39.705	100.94
	2464	0	39.805	40.478	101.69
	2464	77	39.91	40.544	101.59
	2592	0	40.499	40.949	101.11
	2592	81	40.565	41.134	101.4
	2720	0	41.047	41.625	101.41
	2720	85	41.084	41.615	101.29
	2848	0	41.667	42.28	101.47
	2848	89	41.676	42.316	101.54
	2976	0	42.418	42.95	101.25
	2976	93	42.294	42.849	101.31
	3104	0	43.935	44.438	101.14
	3104	97	43.827	44.405	101.32
	3232	0	45.654	46.336	101.49
	3232	101	45.67	46.331	101.45
	3360	0	46.895	47.565	101.43
	3360	105	46.912	47.583	101.43

	3488	0	48.131	48.826	101.44
	3488	109	48.147	48.819	101.4
	3616	0	48.788	49.434	101.32
	3616	113	48.795	49.457	101.36
	3744	0	50.736	51.304	101.12
	3744	117	50.713	51.338	101.23
	3872	0	51.648	52.201	101.07
	3872	121	51.669	52.224	101.07
	4000	0	53.369	53.801	100.81
	4000	125	53.693	54.011	100.59
	4128	0	54.977	55.396	100.76
	4128	129	55.353	55.404	100.09
	4256	0	56.557	56.654	100.17
	4256	133	56.588	56.803	100.38
	4384	0	57.82	58.074	100.44
	4384	137	57.898	57.955	100.1
	4512	0	59.182	59.226	100.07
	4512	141	59.107	59.253	100.25
	4640	0	60.298	60.51	100.35
	4640	145	60.368	60.636	100.44
	4768	0	61.599	61.864	100.43
	4768	149	61.42	61.613	100.31
	4896	0	62.849	63.083	100.37
	4896	153	62.802	63.036	100.37
	5024	0	64.055	64.514	100.72
	5024	157	64.076	64.67	100.93
	5152	0	65.283	65.555	100.42
	5152	161	65.329	65.669	100.52
	5280	0	66.534	66.788	100.38
	5280	165	66.521	66.784	100.4
	5408	0	68.007	68.154	100.22

	5408	169	67.766	68.088	100.48
	5536	0	69.054	69.259	100.3
	5536	173	69.319	69.325	100.01
	5664	0	70.303	70.47	100.24
	5664	177	70.28	70.713	100.62
	5792	0	70.904	71.094	100.27
	5792	181	71.335	72.057	101.01
	5920	0	72.905	73.407	100.69
	5920	185	73.06	73.298	100.33
	6048	0	75.053	75.021	99.96
	6048	189	74.007	74.792	101.06
	6176	0	75.4	75.068	99.56
	6176	193	74.757	75.298	100.72
	6304	0	76.59	76.77	100.24
	6304	197	76.574	76.584	100.01
	6432	0	77.434	77.615	100.23
	6432	201	77.394	77.51	100.15
	6560	0	78.967	78.968	100
	6560	205	78.825	78.988	100.21
	6688	0	79.946	80.113	100.21
	6688	209	80.062	79.995	99.92
	6816	0	81.353	81.478	100.15
	6816	213	81.381	81.668	100.35
	6944	0	82.642	83.03	100.47
	6944	217	82.718	83.025	100.37
	7072	0	83.682	83.938	100.31
	7072	221	83.733	84.113	100.45
	7200	0	85.08	85.516	100.51
	7200	225	85.052	85.313	100.31
	7328	0	86.529	86.523	99.99
	7328	229	86.332	86.439	100.12



	7456	0	87.172	87.447	100.32
	7456	233	87.247	87.234	99.99
	7584	0	88.682	88.66	99.98
	7584	237	88.66	88.624	99.96
	7712	0	89.928	89.911	99.98
	7712	241	89.825	90.559	100.82
	7840	0	90.931	90.949	100.02
	7840	245	90.836	90.914	100.09
	7968	0	91.463	91.812	100.38
	7968	249	91.472	91.949	100.52
	8096	0	92.279	92.654	100.41
	8096	253	92.469	92.871	100.43
	131072	3	8246.126	8244.627	99.98
	262144	0	9317.548	9319.764	100.02
	262144	3	16259.808	16211.034	99.7
	524288	0	20491.345	20537.641	100.23
	524288	3	32511.36	32520.934	100.03
	1048576	0	50906.305	50896.99	99.98
	1048576	3	66095.814	66519.837	100.64
	2097152	0	178709.474	178044.904	99.63
	2097152	3	177417.288	178305.468	100.5
	4194304	0	490778.564	491363.232	100.12
	4194304	3	369324.029	369304.881	99.99
	8388608	0	1486000.411	1488878.439	100.19
	8388608	3	755018.019	755757.147	100.1
	16777216	0	5303014.538	5318097.83	100.28
	16777216	3	1591561.194	1589492.845	99.87
	33554432	0	20588844.01	20507523.26	99.61
	33554432	3	3270630.401	3272175.214	100.05
	67108864	0	6597898.49	6619383.424	100.33
	67108864	3	6607902.882	6611699.112	100.06

	129	0	6.318	5.713	90.42
	257	0	8.152	6.978	85.6
	513	0	10.667	9.492	88.98
	1025	0	16.001	14.524	90.77
	2049	0	39.71	39.583	99.68
	4097	0	55.314	55.201	99.8
	8193	0	96.158	96.161	100
	16385	0	178.999	178.814	99.9
	32769	0	351.063	351.234	100.05
	65537	0	2192.024	2193.814	100.08
	131073	0	4464.781	4468.599	100.09
	262145	0	9367.808	9348.843	99.8
	524289	0	20588.486	20566.398	99.89
	1048577	0	51119.986	50996.054	99.76
	2097153	0	179644.975	179929.631	100.16
	4194305	0	488773.559	489264.192	100.1
	8388609	0	1486403.08	1491357.973	100.33
	16777217	0	5292934.756	5312006.437	100.36
	33554433	0	20772497.1	20631843.09	99.32
<b>Results For Icelake memset-evex</b>					
	size	al1	Cur T	New T	New / Cur
	1	0	3.578	3.583	100.14
	2	0	3.571	3.579	100.22
	4	0	3.573	3.594	100.59
	8	0	3.57	3.59	100.56
	16	0	3.573	3.593	100.56
	32	0	2.701	2.705	100.15
	64	0	2.711	2.727	100.59
	128	0	3.885	3.874	99.72
	256	0	7.955	5.784	72.71

	512	0	11.037	7.213	65.35
	1024	0	17.858	13.991	78.35
	2048	0	28.041	24.181	86.23
	4096	0	59.911	56.999	95.14
	8192	0	104.454	101.129	96.82
	16384	0	189.692	187.823	99.01
	32768	0	368.076	364.016	98.9
	65536	0	2258.782	2235.656	98.98
	131072	0	4126.666	4088.621	99.08
	1	1	2.857	2.857	100
	1	4095	3.59	3.59	100
	2	2	2.901	2.922	100.72
	2	4094	4.593	4.567	99.43
	2	4095	28.402	28.238	99.42
	3	3	2.927	2.917	99.66
	3	4093	4.619	4.603	99.65
	3	4095	15.192	15.174	99.88
	3	0	2.97	2.951	99.36
	4	4	2.964	2.956	99.73
	4	4092	4.147	4.122	99.4
	4	4095	28.977	28.885	99.68
	5	5	2.99	2.98	99.67
	5	4091	4.129	4.153	100.58
	5	4095	15.7	15.671	99.82
	5	0	3.001	2.994	99.77
	6	6	3	3.02	100.67
	6	4090	4.172	4.168	99.9
	6	4095	15.933	16.01	100.48
	6	0	3.047	3.03	99.44
	7	7	3.028	3.028	100
	7	4089	4.226	4.202	99.43

	7	4095	16.115	16.168	100.33
	7	0	3.044	3.048	100.13
	8	8	3.051	3.062	100.36
	8	4088	4.285	4.366	101.89
	8	4095	29.775	29.734	99.86
	9	9	3.091	3.069	99.29
	9	4087	4.229	4.244	100.35
	9	4095	16.014	16.044	100.19
	9	0	3.063	3.05	99.58
	10	10	3.064	3.072	100.26
	10	4086	4.234	4.279	101.06
	10	4095	16.22	16.109	99.32
	10	0	3.08	3.089	100.29
	11	11	3.072	3.074	100.07
	11	4085	4.298	4.274	99.44
	11	4095	16.349	16.289	99.63
	11	0	3.108	3.091	99.45
	12	12	3.103	3.078	99.19
	12	4084	4.322	4.294	99.35
	12	4095	16.418	16.396	99.87
	12	0	3.101	3.093	99.74
	13	13	3.107	3.097	99.68
	13	4083	4.301	4.305	100.09
	13	4095	16.462	16.374	99.47
	13	0	3.114	3.097	99.45
	14	14	3.127	3.094	98.94
	14	4082	4.324	4.309	99.65
	14	4095	16.528	16.428	99.39
	14	0	3.099	3.083	99.48
	15	15	3.093	3.1	100.23
	15	4081	4.28	4.28	100

	15	4095	16.576	16.39	98.88
	15	0	3.101	3.102	100.03
	16	16	3.104	3.1	99.87
	16	4080	4.261	4.269	100.19
	16	4095	29.909	29.808	99.66
	17	17	3.101	3.098	99.9
	17	4079	4.231	4.194	99.13
	17	4095	15.792	15.793	100.01
	17	0	3.059	3.07	100.36
	18	18	3.051	3.061	100.33
	18	4078	4.225	4.24	100.36
	18	4095	15.875	15.853	99.86
	18	0	3.087	3.08	99.77
	19	19	3.079	3.071	99.74
	19	4077	4.28	4.244	99.16
	19	4095	15.848	15.881	100.21
	19	0	3.081	3.082	100.03
	20	20	3.064	3.087	100.75
	20	4076	4.272	4.251	99.51
	20	4095	15.97	15.898	99.55
	20	0	3.088	3.086	99.94
	21	21	3.092	3.09	99.94
	21	4075	4.278	4.226	98.78
	21	4095	15.934	15.974	100.25
	21	0	3.081	3.095	100.45
	22	22	3.103	3.085	99.42
	22	4074	4.261	4.27	100.21
	22	4095	15.958	15.953	99.97
	22	0	3.099	3.102	100.1
	23	23	3.102	3.088	99.55
	23	4073	4.271	4.269	99.95

	23	4095	15.939	15.926	99.92
	23	0	3.103	3.091	99.61
	24	24	3.096	3.113	100.55
	24	4072	4.281	4.254	99.37
	24	4095	15.956	15.92	99.77
	24	0	3.083	3.107	100.78
	25	25	3.098	3.137	101.26
	25	4071	4.283	4.257	99.39
	25	4095	15.943	15.922	99.87
	25	0	3.09	3.096	100.19
	26	26	3.085	3.088	100.1
	26	4070	4.266	4.273	100.16
	26	4095	15.956	15.96	100.03
	26	0	3.083	3.079	99.87
	27	27	3.087	3.079	99.74
	27	4069	4.264	4.234	99.3
	27	4095	15.947	15.927	99.87
	27	0	3.097	3.089	99.74
	28	28	3.097	3.106	100.29
	28	4068	4.286	4.268	99.58
	28	4095	15.948	15.893	99.66
	28	0	3.093	3.083	99.68
	29	29	3.096	3.091	99.84
	29	4067	4.272	4.239	99.23
	29	4095	15.936	15.882	99.66
	29	0	3.1	3.072	99.1
	30	30	3.091	3.087	99.87
	30	4066	4.272	4.243	99.32
	30	4095	15.926	15.855	99.55
	30	0	3.081	3.072	99.71
	31	31	3.104	3.087	99.45

	31	4065	4.289	4.268	99.51
	31	4095	15.96	15.916	99.72
	31	0	3.105	3.106	100.03
	32	32	2.52	2.513	99.72
	32	4064	2.517	2.516	99.96
	32	4095	29.807	29.994	100.63
	33	33	3.085	3.053	98.96
	33	4063	2.486	2.483	99.88
	33	4095	15.839	15.946	100.68
	33	0	2.474	2.495	100.85
	34	34	3.047	3.046	99.97
	34	4062	2.501	2.501	100
	34	4095	15.863	15.964	100.64
	34	0	2.503	2.484	99.24
	35	35	3.058	3.046	99.61
	35	4061	2.521	2.526	100.2
	35	4095	15.938	16.078	100.88
	35	0	2.489	2.502	100.52
	36	36	3.06	3.047	99.58
	36	4060	2.527	2.517	99.6
	36	4095	15.98	16.06	100.5
	36	0	2.51	2.494	99.36
	37	37	3.097	3.068	99.06
	37	4059	2.519	2.512	99.72
	37	4095	16.066	16.109	100.27
	37	0	2.514	2.504	99.6
	38	38	3.088	3.074	99.55
	38	4058	2.523	2.527	100.16
	38	4095	16.023	16.094	100.44
	38	0	2.515	2.502	99.48
	39	39	3.078	3.077	99.97

	39	4057	2.536	2.536	100
	39	4095	16.029	16.149	100.75
	39	0	2.515	2.513	99.92
	40	40	3.09	3.083	99.77
	40	4056	2.536	2.52	99.37
	40	4095	16.043	16.132	100.55
	40	0	2.509	2.503	99.76
	41	41	3.092	3.066	99.16
	41	4055	2.537	2.519	99.29
	41	4095	16.034	16.185	100.94
	41	0	2.51	2.521	100.44
	42	42	3.088	3.073	99.51
	42	4054	2.546	2.52	98.98
	42	4095	15.999	16.142	100.89
	42	0	2.515	2.497	99.28
	43	43	3.088	3.079	99.71
	43	4053	2.536	2.522	99.45
	43	4095	16.029	16.152	100.77
	43	0	2.522	2.498	99.05
	44	44	3.076	3.067	99.71
	44	4052	2.525	2.519	99.76
	44	4095	16.03	16.135	100.66
	44	0	2.518	2.514	99.84
	45	45	3.078	3.076	99.94
	45	4051	2.541	2.521	99.21
	45	4095	16.065	16.099	100.21
	45	0	2.516	2.506	99.6
	46	46	3.08	3.089	100.29
	46	4050	2.534	2.518	99.37
	46	4095	16.036	16.206	101.06
	46	0	2.528	2.522	99.76



	47	47	3.086	3.071	99.51
	47	4049	2.522	2.527	100.2
	47	4095	16.024	16.178	100.96
	47	0	2.512	2.515	100.12
	48	48	2.528	2.502	98.97
	48	4048	2.545	2.551	100.24
	48	4095	16.087	16.179	100.57
	48	0	2.533	2.527	99.76
	49	49	2.505	2.517	100.48
	49	4047	2.529	2.513	99.37
	49	4095	16	16.152	100.95
	49	0	2.532	2.504	98.89
	50	50	2.53	2.505	99.01
	50	4046	2.525	2.517	99.68
	50	4095	16.013	16.148	100.84
	50	0	2.525	2.5	99.01
	51	51	2.522	2.512	99.6
	51	4045	2.527	2.53	100.12
	51	4095	16.041	16.181	100.87
	51	0	2.516	2.502	99.44
	52	52	2.508	2.5	99.68
	52	4044	2.527	2.515	99.53
	52	4095	15.995	16.125	100.81
	52	0	2.515	2.51	99.8
	53	53	2.52	2.499	99.17
	53	4043	2.541	2.518	99.09
	53	4095	16.052	16.186	100.83
	53	0	2.506	2.509	100.12
	54	54	2.525	2.508	99.33
	54	4042	2.524	2.516	99.68
	54	4095	16.035	16.152	100.73

	54	0	2.515	2.502	99.48
	55	55	2.522	2.523	100.04
	55	4041	2.526	2.521	99.8
	55	4095	16.014	16.137	100.77
	55	0	2.503	2.509	100.24
	56	56	2.522	2.516	99.76
	56	4040	2.533	2.506	98.93
	56	4095	16.013	16.142	100.81
	56	0	2.51	2.505	99.8
	57	57	2.513	2.511	99.92
	57	4039	2.552	2.51	98.35
	57	4095	16.001	16.118	100.73
	57	0	2.511	2.499	99.52
	58	58	2.519	2.506	99.48
	58	4038	2.52	2.51	99.6
	58	4095	15.972	16.135	101.02
	58	0	2.511	2.528	100.68
	59	59	2.53	2.503	98.93
	59	4037	2.534	2.534	100
	59	4095	16.019	16.172	100.96
	59	0	2.515	2.498	99.32
	60	60	2.505	2.508	100.12
	60	4036	2.533	2.524	99.64
	60	4095	16.013	16.089	100.47
	60	0	2.522	2.493	98.85
	61	61	2.524	2.532	100.32
	61	4035	2.538	2.531	99.72
	61	4095	16.056	16.164	100.67
	61	0	2.508	2.499	99.64
	62	62	2.513	2.497	99.36
	62	4034	2.524	2.507	99.33

	62	4095	16.028	16.189	101
	62	0	2.528	2.504	99.05
	63	63	2.527	2.494	98.69
	63	4033	2.527	2.522	99.8
	63	4095	15.969	16.12	100.95
	63	0	2.504	2.5	99.84
	64	64	2.526	2.531	100.2
	96	0	3.721	3.689	99.14
	96	96	3.729	3.705	99.36
	128	128	3.753	3.72	99.12
	160	0	4.941	4.926	99.7
	160	160	4.952	4.929	99.54
	192	0	4.974	4.976	100.04
	192	192	5.696	4.938	86.69
	224	0	4.992	4.984	99.84
	224	224	6.259	5.023	80.25
	256	256	6.908	5.04	72.96
	288	0	6.941	5.264	75.84
	288	288	6.94	5.177	74.6
	320	0	6.996	5.188	74.16
	320	320	8.706	5.182	59.52
	352	0	7.05	5.198	73.73
	352	352	8.808	5.249	59.59
	384	0	9.015	5.268	58.44
	384	384	9.121	5.307	58.18
	416	0	9.211	6.602	71.68
	416	416	9.178	6.693	72.92
	448	0	9.208	6.123	66.5
	448	448	10.371	7.65	73.76
	480	0	9.365	6.711	71.66
	480	480	10.289	6.825	66.33

	14	1	3.481	3.474	99.8
	1024	3	18.2	17.846	98.05
	64	4	2.858	2.832	99.09
	25	2	3.545	3.503	98.82
	1056	0	17.677	13.658	77.26
	1056	33	18.274	18.1	99.05
	1184	0	17.371	15.107	86.97
	1184	37	20.176	19.595	97.12
	1312	0	18.636	16.417	88.09
	1312	41	21.18	21.28	100.47
	1440	0	20.061	17.913	89.29
	1440	45	22.763	22.674	99.61
	1568	0	21.551	19.218	89.17
	1568	49	24.077	24.154	100.32
	1696	0	22.638	20.912	92.38
	1696	53	25.294	25.304	100.04
	1824	0	23.978	22.075	92.06
	1824	57	26.661	26.83	100.63
	1952	0	25.339	23.401	92.35
	1952	61	27.894	28.099	100.73
	2080	0	26.228	24.623	93.88
	2080	65	29.005	29.364	101.24
	2208	0	27.645	25.635	92.73
	2208	69	30.13	30.317	100.62
	2336	0	28.949	27.69	95.65
	2336	73	31.482	31.402	99.75
	2464	0	31.149	28.844	92.6
	2464	77	33.444	32.862	98.26
	2592	0	32.443	29.73	91.64
	2592	81	34.777	34.317	98.68
	2720	0	34.878	30.503	87.46

	2720	85	36.396	35.11	96.47
	2848	0	37.166	32.084	86.33
	2848	89	39.679	36.547	92.11
	2976	0	43.738	34.154	78.09
	2976	93	44.119	38.033	86.21
	3104	0	46.911	33.838	72.13
	3104	97	53.488	39.395	73.65
	3232	0	49.05	35.949	73.29
	3232	101	53.763	40.72	75.74
	3360	0	49.585	37.048	74.72
	3360	105	55.849	42.441	75.99
	3488	0	50.67	40.216	79.37
	3488	109	57.033	44.731	78.43
	3616	0	51.238	41.607	81.2
	3616	113	57.096	46.192	80.9
	3744	0	51.985	43.337	83.36
	3744	117	59.48	48.064	80.81
	3872	0	53.112	44.709	84.18
	3872	121	59.716	49.314	82.58
	4000	0	53.696	48.41	90.16
	4000	125	75.537	66.276	87.74
	4128	0	54.995	51.994	94.54
	4128	129	58.745	51.356	87.42
	4256	0	56.326	54.008	95.88
	4256	133	60.938	53.287	87.44
	4384	0	56.723	54.875	96.74
	4384	137	61.388	54.682	89.08
	4512	0	58.251	56.084	96.28
	4512	141	61.819	55.534	89.83
	4640	0	60.072	56.683	94.36
	4640	145	64.2	58.042	90.41

	4768	0	60.542	58.09	95.95
	4768	149	64.83	60.535	93.37
	4896	0	61.371	58.046	94.58
	4896	153	64.788	62.624	96.66
	5024	0	64.546	60.04	93.02
	5024	157	67.19	65.525	97.52
	5152	0	63.27	61.163	96.67
	5152	161	68.846	66.865	97.12
	5280	0	64.722	62.438	96.47
	5280	165	69.677	68.014	97.61
	5408	0	65.953	63.106	95.68
	5408	169	71.948	68.871	95.72
	5536	0	66.605	64.312	96.56
	5536	173	73.047	69.752	95.49
	5664	0	67.778	64.856	95.69
	5664	177	73.753	70.629	95.76
	5792	0	69.34	67.053	96.7
	5792	181	76.285	72.37	94.87
	5920	0	70.426	68.155	96.78
	5920	185	76.194	73.443	96.39
	6048	0	71.244	69.457	97.49
	6048	189	76.617	74.914	97.78
	6176	0	72.712	70.07	96.37
	6176	193	77.178	75.086	97.29
	6304	0	73.13	70.902	96.95
	6304	197	77.704	75.422	97.06
	6432	0	74.805	71.984	96.23
	6432	201	78.002	76.573	98.17
	6560	0	76.477	74.006	96.77
	6560	205	80.559	79.588	98.79
	6688	0	77.054	74.746	97

	6688	209	81.117	80.102	98.75
	6816	0	78.471	76.311	97.25
	6816	213	81.368	80.946	99.48
	6944	0	79.741	77.159	96.76
	6944	217	84.05	81.439	96.89
	7072	0	80.586	77.963	96.75
	7072	221	84.206	82.657	98.16
	7200	0	82.1	79.371	96.68
	7200	225	89.13	84.22	94.49
	7328	0	83.114	80.508	96.86
	7328	229	89.83	86.214	95.97
	7456	0	83.952	82.019	97.7
	7456	233	90.498	87.485	96.67
	7584	0	85.384	83.136	97.37
	7584	237	92.96	88.742	95.46
	7712	0	86.686	83.33	96.13
	7712	241	93.036	90.42	97.19
	7840	0	87.782	84.912	96.73
	7840	245	94.489	90.442	95.72
	7968	0	89.129	86.212	96.73
	7968	249	110.046	102.61	93.24
	8096	0	89.647	87.192	97.26
	8096	253	96.676	93.421	96.63
	131072	3	7506.737	7598.553	101.22
	262144	0	8091.796	8069.698	99.73
	262144	3	15281.873	14877.131	97.35
	524288	0	18753.053	18768.049	100.08
	524288	3	33343.317	33109.905	99.3
	1048576	0	51538.074	51549.81	100.02
	1048576	3	77297.887	76358.124	98.78
	2097152	0	126533.165	126983.727	100.36

	2097152	3	144946.882	145523.632	100.4
	4194304	0	348084.634	350162.829	100.6
	4194304	3	282882.966	282275.215	99.79
	8388608	0	1228977.437	1242301.672	101.08
	8388608	3	678372.392	678468.626	100.01
	16777216	0	4264098.7	4275217.52	100.26
	16777216	3	1926392.703	1932787.205	100.33
	33554432	0	13908318.79	13975346.81	100.48
	33554432	3	4274347.928	4292921.616	100.43
	67108864	0	8819506.403	8824071.449	100.05
	67108864	3	8831062.626	8834102.917	100.03
	129	0	7.013	6.279	89.53
	257	0	9.487	8.122	85.61
	513	0	12.115	11.021	90.97
	1025	0	18.118	16.39	90.46
	2049	0	28.365	27.628	97.4
	4097	0	75.267	71.984	95.64
	8193	0	120.782	117.026	96.89
	16385	0	204.933	202.729	98.92
	32769	0	381.632	377.993	99.05
	65537	0	2199.369	2200.755	100.06
	131073	0	4101.234	4098.677	99.94
	262145	0	8119.013	8108.145	99.87
	524289	0	18828.4	18833.176	100.03
	1048577	0	51589.404	51916.134	100.63
	2097153	0	128002.179	128585.463	100.46
	4194305	0	350091.76	352139.973	100.59
	8388609	0	1230218.18	1244744.841	101.18
	16777217	0	4283171.056	4295685.135	100.29
	33554433	0	13802858.36	13870230.95	100.49



Results For Icelake memset-evex-erms					
	size	al1	Cur T	New T	New / Cur
	1	0	4.227	4.221	99.86
	2	0	4.224	4.231	100.17
	4	0	4.233	4.247	100.33
	8	0	4.243	4.255	100.28
	16	0	4.229	4.279	101.18
	32	0	3.312	3.319	100.21
	64	0	3.337	3.326	99.67
	128	0	4.552	4.52	99.3
	256	0	7.944	6.512	81.97
	512	0	10.882	7.675	70.53
	1024	0	18.251	14.359	78.68
	2048	0	27.627	23.423	84.78
	4096	0	55.455	56.495	101.88
	8192	0	98.241	99.129	100.9
	16384	0	181.377	182.907	100.84
	32768	0	353.533	356.132	100.74
	65536	0	2092.201	2099.076	100.33
	131072	0	4008.632	4017.562	100.22
	1	1	3.396	3.379	99.5
	1	4095	4.006	4.007	100.02
	2	2	3.437	3.456	100.55
	2	4094	5.114	5.094	99.61
	2	4095	28.225	28.205	99.93
	3	3	3.483	3.477	99.83
	3	4093	5.158	5.127	99.4
	3	4095	15.794	15.512	98.21
	3	0	3.498	3.485	99.63
	4	4	3.512	3.492	99.43
	4	4092	4.677	4.675	99.96

	4	4095	28.921	28.866	99.81
	5	5	3.55	3.541	99.75
	5	4091	4.678	4.669	99.81
	5	4095	15.706	15.549	99
	5	0	3.568	3.558	99.72
	6	6	3.56	3.579	100.53
	6	4090	4.701	4.707	100.13
	6	4095	15.719	15.636	99.47
	6	0	3.598	3.582	99.56
	7	7	3.588	3.596	100.22
	7	4089	4.757	4.749	99.83
	7	4095	15.795	15.837	100.27
	7	0	3.626	3.612	99.61
	8	8	3.635	3.61	99.31
	8	4088	4.821	4.806	99.69
	8	4095	29.784	29.754	99.9
	9	9	3.638	3.628	99.73
	9	4087	4.785	4.797	100.25
	9	4095	16.164	16.004	99.01
	9	0	3.639	3.612	99.26
	10	10	3.631	3.625	99.83
	10	4086	4.821	4.845	100.5
	10	4095	16.193	16.117	99.53
	10	0	3.645	3.648	100.08
	11	11	3.653	3.648	99.86
	11	4085	4.876	4.847	99.41
	11	4095	16.257	16.077	98.89
	11	0	3.665	3.686	100.57
	12	12	3.68	3.651	99.21
	12	4084	4.849	4.865	100.33
	12	4095	16.267	16.188	99.51

	12	0	3.674	3.692	100.49
	13	13	3.687	3.696	100.24
	13	4083	4.852	4.868	100.33
	13	4095	16.157	16.097	99.63
	13	0	3.671	3.669	99.95
	14	14	3.664	3.658	99.84
	14	4082	4.862	4.865	100.06
	14	4095	16.24	16.209	99.81
	14	0	3.667	3.696	100.79
	15	15	3.675	3.671	99.89
	15	4081	4.853	4.871	100.37
	15	4095	16.24	16.171	99.58
	15	0	3.704	3.674	99.19
	16	16	3.685	3.697	100.33
	16	4080	4.859	4.858	99.98
	16	4095	30.571	30.544	99.91
	17	17	3.669	3.668	99.97
	17	4079	4.825	4.776	98.98
	17	4095	15.761	15.794	100.21
	17	0	3.627	3.627	100
	18	18	3.659	3.646	99.64
	18	4078	4.801	4.796	99.9
	18	4095	15.877	15.806	99.55
	18	0	3.663	3.661	99.95
	19	19	3.651	3.64	99.7
	19	4077	4.803	4.821	100.37
	19	4095	15.917	15.905	99.92
	19	0	3.651	3.664	100.36
	20	20	3.671	3.683	100.33
	20	4076	4.84	4.804	99.26
	20	4095	15.956	15.886	99.56

	20	0	3.662	3.659	99.92
	21	21	3.661	3.676	100.41
	21	4075	4.843	4.832	99.77
	21	4095	15.949	15.871	99.51
	21	0	3.674	3.664	99.73
	22	22	3.668	3.677	100.25
	22	4074	4.841	4.856	100.31
	22	4095	15.962	15.897	99.59
	22	0	3.673	3.677	100.11
	23	23	3.669	3.68	100.3
	23	4073	4.828	4.84	100.25
	23	4095	15.965	15.92	99.72
	23	0	3.685	3.677	99.78
	24	24	3.694	3.683	99.7
	24	4072	4.831	4.85	100.39
	24	4095	16.016	15.939	99.52
	24	0	3.666	3.661	99.86
	25	25	3.714	3.654	98.38
	25	4071	4.841	4.861	100.41
	25	4095	15.937	15.939	100.01
	25	0	3.684	3.664	99.46
	26	26	3.661	3.671	100.27
	26	4070	4.857	4.821	99.26
	26	4095	15.956	15.961	100.03
	26	0	3.676	3.653	99.37
	27	27	3.669	3.719	101.36
	27	4069	4.826	4.817	99.81
	27	4095	15.974	15.888	99.46
	27	0	3.672	3.674	100.05
	28	28	3.693	3.648	98.78
	28	4068	4.832	4.831	99.98

	28	4095	15.944	15.939	99.97
	28	0	3.677	3.676	99.97
	29	29	3.663	3.648	99.59
	29	4067	4.832	4.791	99.15
	29	4095	15.915	15.88	99.78
	29	0	3.668	3.683	100.41
	30	30	3.673	3.666	99.81
	30	4066	4.834	4.871	100.77
	30	4095	15.977	15.878	99.38
	30	0	3.677	3.646	99.16
	31	31	3.664	3.654	99.73
	31	4065	4.833	4.812	99.57
	31	4095	15.958	15.887	99.56
	31	0	3.668	3.677	100.25
	32	32	3.125	3.081	98.59
	32	4064	3.12	3.078	98.65
	32	4095	30.489	30.511	100.07
	33	33	3.096	3.053	98.61
	33	4063	3.056	3.043	99.57
	33	4095	15.769	15.912	100.91
	33	0	3.051	3.046	99.84
	34	34	3.075	3.044	98.99
	34	4062	3.077	3.058	99.38
	34	4095	15.854	15.961	100.67
	34	0	3.062	3.062	100
	35	35	3.077	3.063	99.55
	35	4061	3.103	3.064	98.74
	35	4095	15.951	16.079	100.8
	35	0	3.069	3.055	99.54
	36	36	3.077	3.054	99.25
	36	4060	3.094	3.077	99.45

	36	4095	15.935	16.059	100.78
	36	0	3.085	3.058	99.12
	37	37	3.096	3.073	99.26
	37	4059	3.107	3.088	99.39
	37	4095	16.065	16.1	100.22
	37	0	3.114	3.059	98.23
	38	38	3.106	3.082	99.23
	38	4058	3.111	3.09	99.32
	38	4095	16.044	16.12	100.47
	38	0	3.104	3.072	98.97
	39	39	3.096	3.07	99.16
	39	4057	3.136	3.099	98.82
	39	4095	16.059	16.155	100.6
	39	0	3.107	3.086	99.32
	40	40	3.104	3.103	99.97
	40	4056	3.131	3.108	99.27
	40	4095	16.016	16.15	100.84
	40	0	3.106	3.084	99.29
	41	41	3.1	3.093	99.77
	41	4055	3.131	3.113	99.43
	41	4095	16.048	16.151	100.64
	41	0	3.096	3.082	99.55
	42	42	3.114	3.081	98.94
	42	4054	3.138	3.101	98.82
	42	4095	15.985	16.141	100.98
	42	0	3.116	3.097	99.39
	43	43	3.095	3.08	99.52
	43	4053	3.12	3.098	99.29
	43	4095	15.996	16.13	100.84
	43	0	3.111	3.079	98.97
	44	44	3.11	3.086	99.23

	44	4052	3.1	3.108	100.26
	44	4095	16.045	16.178	100.83
	44	0	3.1	3.107	100.23
	45	45	3.096	3.101	100.16
	45	4051	3.138	3.099	98.76
	45	4095	16.039	16.16	100.75
	45	0	3.102	3.087	99.52
	46	46	3.112	3.097	99.52
	46	4050	3.134	3.092	98.66
	46	4095	16.032	16.158	100.79
	46	0	3.133	3.096	98.82
	47	47	3.105	3.073	98.97
	47	4049	3.111	3.117	100.19
	47	4095	16.008	16.174	101.04
	47	0	3.108	3.078	99.03
	48	48	3.084	3.091	100.23
	48	4048	3.119	3.131	100.38
	48	4095	16.059	16.153	100.59
	48	0	3.105	3.109	100.13
	49	49	3.093	3.078	99.52
	49	4047	3.101	3.094	99.77
	49	4095	16.016	16.161	100.91
	49	0	3.096	3.072	99.22
	50	50	3.097	3.068	99.06
	50	4046	3.095	3.098	100.1
	50	4095	15.984	16.133	100.93
	50	0	3.095	3.089	99.81
	51	51	3.089	3.082	99.77
	51	4045	3.104	3.111	100.23
	51	4095	16.026	16.15	100.77
	51	0	3.106	3.092	99.55

	52	52	3.102	3.075	99.13
	52	4044	3.091	3.087	99.87
	52	4095	15.997	16.093	100.6
	52	0	3.099	3.067	98.97
	53	53	3.075	3.075	100
	53	4043	3.133	3.141	100.26
	53	4095	15.994	16.134	100.88
	53	0	3.081	3.078	99.9
	54	54	3.076	3.082	100.2
	54	4042	3.096	3.091	99.84
	54	4095	16.051	16.14	100.55
	54	0	3.095	3.079	99.48
	55	55	3.102	3.081	99.32
	55	4041	3.094	3.11	100.52
	55	4095	16.003	16.174	101.07
	55	0	3.096	3.105	100.29
	56	56	3.077	3.098	100.68
	56	4040	3.108	3.091	99.45
	56	4095	16.019	16.16	100.88
	56	0	3.101	3.095	99.81
	57	57	3.079	3.075	99.87
	57	4039	3.117	3.118	100.03
	57	4095	16.018	16.148	100.81
	57	0	3.103	3.078	99.19
	58	58	3.08	3.088	100.26
	58	4038	3.101	3.09	99.65
	58	4095	15.991	16.142	100.94
	58	0	3.072	3.12	101.56
	59	59	3.083	3.079	99.87
	59	4037	3.106	3.141	101.13
	59	4095	15.992	16.112	100.75



	59	0	3.083	3.074	99.71
	60	60	3.087	3.064	99.25
	60	4036	3.116	3.092	99.23
	60	4095	16.017	16.066	100.31
	60	0	3.079	3.102	100.75
	61	61	3.073	3.072	99.97
	61	4035	3.088	3.102	100.45
	61	4095	16.059	16.155	100.6
	61	0	3.086	3.069	99.45
	62	62	3.094	3.074	99.35
	62	4034	3.099	3.097	99.94
	62	4095	16.024	16.125	100.63
	62	0	3.092	3.08	99.61
	63	63	3.09	3.098	100.26
	63	4033	3.101	3.092	99.71
	63	4095	16.011	16.119	100.67
	63	0	3.075	3.099	100.78
	64	64	3.108	3.092	99.49
	96	0	4.329	4.32	99.79
	96	96	4.353	4.297	98.71
	128	128	4.363	4.314	98.88
	160	0	5.541	5.497	99.21
	160	160	5.544	5.495	99.12
	192	0	5.593	5.538	99.02
	192	192	5.668	5.536	97.67
	224	0	5.588	5.567	99.62
	224	224	6.281	5.622	89.51
	256	256	6.916	5.644	81.61
	288	0	6.915	5.751	83.17
	288	288	6.955	5.772	82.99
	320	0	6.991	5.764	82.45

	320	320	9.026	5.816	64.44
	352	0	7.065	5.845	82.73
	352	352	9.222	5.829	63.21
	384	0	9.54	5.883	61.67
	384	384	9.594	5.883	61.32
	416	0	9.722	6.705	68.97
	416	416	9.714	7.065	72.73
	448	0	9.718	6.733	69.28
	448	448	10.895	7.878	72.31
	480	0	9.832	6.785	69.01
	480	480	10.909	7.263	66.58
	14	1	4.125	4.121	99.9
	1024	3	18.765	18.352	97.8
	64	4	3.501	3.477	99.31
	25	2	4.185	4.164	99.5
	1056	0	18.488	14.261	77.14
	1056	33	18.5	18.298	98.91
	1184	0	17.671	15.808	89.46
	1184	37	20.345	19.58	96.24
	1312	0	19.391	16.444	84.8
	1312	41	21.358	21.165	99.1
	1440	0	20.267	17.977	88.7
	1440	45	22.825	22.909	100.37
	1568	0	21.674	19.397	89.49
	1568	49	24.215	24.211	99.98
	1696	0	22.909	20.765	90.64
	1696	53	25.437	25.427	99.96
	1824	0	24.002	21.907	91.27
	1824	57	26.717	26.642	99.72
	1952	0	25.439	23.362	91.84
	1952	61	27.944	28.015	100.25

	2080	0	42.656	42.639	99.96
	2080	65	42.245	42.403	100.37
	2208	0	43.272	43.126	99.66
	2208	69	43.212	43.11	99.76
	2336	0	43.967	43.757	99.52
	2336	73	43.76	43.554	99.53
	2464	0	44.209	44.082	99.71
	2464	77	44.637	44.256	99.15
	2592	0	45.103	44.861	99.46
	2592	81	44.646	44.907	100.58
	2720	0	45.249	45.429	100.4
	2720	85	44.993	45.295	100.67
	2848	0	45.86	45.95	100.2
	2848	89	45.84	46.789	102.07
	2976	0	45.753	45.962	100.46
	2976	93	45.067	45.669	101.34
	3104	0	46.134	47.658	103.3
	3104	97	45.902	46.26	100.78
	3232	0	48.308	48.87	101.16
	3232	101	47.394	47.458	100.14
	3360	0	48.909	48.862	99.9
	3360	105	48.557	48.852	100.61
	3488	0	49.882	50.193	100.62
	3488	109	50.132	50.091	99.92
	3616	0	50.466	50.589	100.24
	3616	113	50.406	50.455	100.1
	3744	0	52.195	52.448	100.48
	3744	117	52.21	52.241	100.06
	3872	0	52.711	53.283	101.09
	3872	121	52.971	53.119	100.28
	4000	0	54.485	54.753	100.49

	4000	125	54.523	54.637	100.21
	4128	0	55.981	55.785	99.65
	4128	129	55.597	55.383	99.62
	4256	0	56.858	56.719	99.76
	4256	133	56.588	56.539	99.91
	4384	0	57.696	58.056	100.62
	4384	137	57.966	58.274	100.53
	4512	0	58.947	58.956	100.02
	4512	141	58.789	58.932	100.24
	4640	0	60.392	60.037	99.41
	4640	145	60.378	60.25	99.79
	4768	0	61.641	61.057	99.05
	4768	149	61.336	60.949	99.37
	4896	0	62.733	62.574	99.75
	4896	153	63.275	62.458	98.71
	5024	0	63.82	63.677	99.78
	5024	157	63.645	63.921	100.43
	5152	0	64.678	64.771	100.14
	5152	161	64.499	65.111	100.95
	5280	0	65.754	65.657	99.85
	5280	165	65.804	65.626	99.73
	5408	0	66.995	67.21	100.32
	5408	169	67.107	66.745	99.46
	5536	0	67.741	68.405	100.98
	5536	173	68.197	68.105	99.87
	5664	0	69.228	69.163	99.91
	5664	177	69.796	69.363	99.38
	5792	0	69.667	69.979	100.45
	5792	181	70.311	69.539	98.9
	5920	0	71.887	71.481	99.44
	5920	185	71.669	71.666	100

	6048	0	72.702	72.388	99.57
	6048	189	72.645	72.874	100.32
	6176	0	73.317	73.594	100.38
	6176	193	73.473	73.417	99.92
	6304	0	74.668	74.648	99.97
	6304	197	74.771	74.738	99.96
	6432	0	75.313	75.28	99.96
	6432	201	75.502	75.168	99.56
	6560	0	77.426	77.288	99.82
	6560	205	77.19	78.192	101.3
	6688	0	78.3	78.248	99.93
	6688	209	78.332	78.434	100.13
	6816	0	79.283	79.798	100.65
	6816	213	79.426	79.557	100.16
	6944	0	81.224	80.924	99.63
	6944	217	80.91	80.508	99.5
	7072	0	81.856	81.671	99.77
	7072	221	81.808	81.809	100
	7200	0	83.449	82.908	99.35
	7200	225	82.65	82.764	100.14
	7328	0	83.962	83.769	99.77
	7328	229	84.239	84.106	99.84
	7456	0	85.284	85.113	99.8
	7456	233	84.899	85.183	100.33
	7584	0	86.417	86.543	100.15
	7584	237	86.99	86.465	99.4
	7712	0	87.746	87.208	99.39
	7712	241	88.015	87.596	99.52
	7840	0	89.267	88.258	98.87
	7840	245	89.271	89.186	99.9
	7968	0	89.795	89.294	99.44

	7968	249	90.032	89.866	99.82
	8096	0	90.822	90.788	99.96
	8096	253	90.981	91.421	100.48
	131072	3	8072.983	8065.686	99.91
	262144	0	8184.709	8219.4	100.42
	262144	3	17317.701	17146.45	99.01
	524288	0	20542.745	20613.268	100.34
	524288	3	35587.865	35331.95	99.28
	1048576	0	59998.541	60066.201	100.11
	1048576	3	81785.118	81014.139	99.06
	2097152	0	150048.56	150390.98	100.23
	2097152	3	154327.422	154444.914	100.08
	4194304	0	418766.973	420924.359	100.52
	4194304	3	300676.064	299657.743	99.66
	8388608	0	1329103.276	1328433.358	99.95
	8388608	3	627477.604	624374.63	99.51
	16777216	0	4630092.525	4616586.132	99.71
	16777216	3	1304113.055	1301819.859	99.82
	33554432	0	16926308.83	16954286.2	100.17
	33554432	3	2690737.2	2689562.36	99.96
	67108864	0	5523269.616	5523961.526	100.01
	67108864	3	5535561.341	5534447.958	99.98
	129	0	7.037	6.313	89.71
	257	0	9.424	8.106	86.01
	513	0	12.136	11.061	91.14
	1025	0	18.267	16.494	90.29
	2049	0	43.589	44.416	101.9
	4097	0	59.754	60.472	101.2
	8193	0	102.055	103.108	101.03
	16385	0	185.272	187.111	100.99
	32769	0	357.937	359.025	100.3

	65537	0	2032.341	2036.895	100.22
	131073	0	3960.032	3967.301	100.18
	262145	0	8141.463	8194.078	100.65
	524289	0	20602.936	20673.559	100.34
	1048577	0	60181.576	60545.867	100.61
	2097153	0	151962.838	152219.627	100.17
	4194305	0	421077.995	422416.961	100.32
	8388609	0	1329640.555	1329908.066	100.02
	16777217	0	4643008.736	4641465.078	99.97
	33554433	0	16879961.51	16879600.22	100