ss0p99v0c											
type	word	io	mux	drawing dimension area (um^2)	access_time (ns)	cycle_time (ns)	adr_setup (ns)	adr_hold (ns)	readc (uA/MHz)	leakage (uA)	leakage_pd (uA)
ROM	32	8	8	1232.301	1.395	2.825	0.354	0	1	0.011	0.008
ROM	32	16	8	1703.244	1.409	2.825	0.354	0	1.498	0.012	0.01
ROM	32	32	8	2645.13	1.437	2.825	0.354	0	2.493	0.015	0.013
ROM	32	64	8	4528.902	1.493	2.824	0.354	0	4.483	0.02	0.02
ROM	32	128	8	8296.446	1.613	2.825	0.354	0	7.81	0.029	0.033
ROM	64	8	8	1290.328	1.418	2.848	0.354	0	1.035	0.011	0.009
ROM	64	16	8	1783.447	1.431	2.848	0.354	0	1.563	0.013	0.01
ROM	64	32	8	2769.685	1.459	2.848	0.354	0	2.62	0.015	0.014
ROM	64	64	8	4742.161	1.513	2.847	0.354	0	4.732	0.02	0.02
ROM	64	128	8	8687.113	1.632	2.848	0.354	0	8.317	0.03	0.033
ROM	128	8	8	1406.382	1.462	2.895	0.354	0	1.106	0.012	0.009
ROM	128	16	8	1943.853	1.475	2.894	0.354	0	1.695	0.014	0.011
ROM	128	32	8	3018.795	1.502	2.894	0.354	0	2.874	0.016	0.014
ROM	128	64	8	5168.679	1.554	2.894	0.354	0	5.231	0.021	0.021
ROM	128	128	8	9468.447	1.67	2.894	0.354	0	9.331	0.031	0.034
ROM	256	8	8	1638.491	1.551	2.987	0.354	0	1.246	0.014	0.011
ROM	256	16	8	2264.666	1.563	2.987	0.354	0	1.958	0.016	0.012
ROM	256	32	8	3517.016	1.588	2.987	0.354	0	3.382	0.018	0.015
ROM	256	64	8	6021.716	1.637	2.986	0.354	0	6.23	0.023	0.022
ROM	256	128	8	11031.116	1.745	2.987	0.354	0	11.357	0.033	0.035
ROM	512	8	8	2102.709	1.729	3.172	0.354	0	1.527	0.018	0.013
ROM	512	16	8	2906.292	1.739	3.172	0.354	0	2.484	0.019	0.015
ROM	512	32	8	4513.458	1.76	3.172	0.354	0	4.398	0.022	0.018
ROM	512	64	8	7727.79	1.802	3.171	0.354	0	8.227	0.027	0.025
ROM	512	128	8	14156.454	1.896	3.172	0.354	0	15.411	0.037	0.038
ROM	1024	8	8	3031.144	1.983	3.584	0.354	0	1.906	0.026	0.018
ROM	1024	16	8	4189.543	1.995	3.602	0.354	0	3.154	0.027	0.02
ROM	1024	32	8	6506.341	2.019	3.638	0.354	0	5.651	0.03	0.023
ROM	1024	64	8	11139.937	2.067	3.71	0.354	0	10.644	0.035	0.03
ROM	1024	128	8	20407.129	2.176	3.863	0.354	0	20.5	0.045	0.043
ROM	2048	8	8	5135.148	2.04	3.599	0.354	0	2.056	0.044	0.03
ROM	2048	16	8	7097.625	2.053	3.616	0.354	0	3.358	0.046	0.032
ROM	2048	32	8	11022.579	2.077	3.652	0.354	0	5.962	0.049	0.036
ROM	2048	64	8	18872.487	2.126	3.723	0.354	0	11.171	0.056	0.044
ROM	4096	8	8	9354.555	2.154	3.627	0.354	0	2.356	0.08	0.055
ROM	4096	16	8	12929.544	2.167	3.645	0.354	0	3.766	0.083	0.057
ROM	4096	32	8	20079.522	2.192	3.68	0.354	0	6.586	0.089	0.063
ROM	64	8	16	1703.244	1.494	2.824	0.354	0	1.566	0.012	0.009
ROM	64	16	16	2645.13	1.515	2.824	0.354	0	2.619	0.014	0.012
ROM	64	32	16	4528.902	1.557	2.825	0.354	0	4.725	0.019	0.017
ROM	64	64	16	8296.446	1.698	2.825	0.354	0	8.194	0.028	0.028
ROM	128	8	16	1783.447	1.517	2.847	0.354	0	1.629	0.012	0.01
ROM	128	16	16	2769.685	1.538	2.847	0.354	0	2.741	0.015	0.012
ROM	128	32	16	4742.161	1.58	2.848	0.354	0	4.966	0.019	0.017
ROM	128	64	16	8687.113	1.718	2.848	0.354	0	8.693	0.029	0.028
ROM	256	8	16	1943.853	1.561	2.893	0.354	0	1.755	0.013	0.01
ROM	256	16	16	3018.795	1.582	2.894	0.354	0	2.986	0.016	0.013
ROM	256	32	16	5168.679	1.624	2.894	0.354	0	5.449	0.02	0.018
ROM	256	64	16	9468.447	1.756	2.895	0.354	0	9.69	0.03	0.029
ROM	512	8	16	2264.666	1.651	2.986	0.354	0	2.006	0.015	0.011
ROM	512	16	16	3517.016	1.672	2.986	0.354	0	3.476	0.018	0.014
ROM	512	32	16	6021.716	1.714	2.986	0.354	0	6.415	0.022	0.019
ROM	512	64	16	11031.116	1.833	2.987	0.354	0	11.683	0.032	0.03
ROM	1024	8	16	2906.292	1.83	3.172	0.354	0	2.509	0.019	0.014
ROM	1024	16	16	4513.458	1.851	3.172	0.354	0	4.455	0.022	0.017
ROM	1024	32	16	7727.79	1.893	3.171	0.354	0	8.347	0.026	0.022
ROM	1024	64	16	14156.454	1.987	3.171	0.354	0	15.671	0.036	0.032
ROM	2048	8	16	4189.543	2.087	3.597	0.354	0	3.161	0.027	0.019
ROM	2048	16	16	6506.341	2.11	3.63	0.354	0	5.671	0.029	0.022
ROM	2048	32	16	11139.937	2.157	3.696	0.354	0	10.692	0.034	0.027
ROM	2048	64	16	20407.129	2.266	3.853	0.354	0	20.562	0.043	0.037
ROM	4096	8	16	7097.625	2.146	3.611	0.354	0	3.369	0.046	0.032
ROM	4096	16	16	11022.579	2.17	3.644	0.354	0	5.992	0.049	0.035
ROM	4096	32	16	18872.487	2.218	3.709	0.354	0	11.237	0.056	0.041
ROM	8192	8	16	12929.544	2.266	3.638	0.354	0	3.786	0.083	0.057
ROM	8192	16	16	20079.522	2.29	3.67	0.354	0	6.633	0.088	0.061
ROM	8192	32	16	34379.478	2.339	3.736	0.354	0	12.328	0.099	0.07
ROM	128	8	32	2645.13	1.563	2.825	0.354	0	2.444	0.014	0.011
ROM	128	16	32	4528.902	1.605	2.825	0.354	0	4.33	0.018	0.015
ROM	128	32	32	8296.446	1.744	2.825	0.354	0	7.356	0.026	0.023
ROM	256	8	32	2769.685	1.585	2.848	0.354	0	2.564	0.014	0.011
ROM	256	16	32	4742.161	1.627	2.848	0.354	0	4.568	0.018	0.015
ROM	256	32	32	8687.113	1.763	2.848	0.354	0	7.853	0.026	0.023
ROM	512	8	32	3018.795	1.63	2.895	0.354	0	2.804	0.015	0.012
ROM	512	16	32	5168.679	1.672	2.895	0.354	0	5.046	0.019	0.016
ROM	512	32	32	9468.447	1.802	2.894	0.354	0	8.846	0.027	0.024
ROM	1024	8	32	3517.016	1.72	2.987	0.354	0	3.284	0.017	0.013
ROM	1024	16	32	6021.716	1.761	2.987	0.354	0	6.001	0.021	0.017
ROM	1024	32	32	11031.116	1.879	2.986	0.354	0	10.832	0.029	0.025
ROM	2048	8	32	4513.458	1.9	3.172	0.354	0	4.246	0.021	0.015
ROM	2048	16	32	7727.79	1.94	3.172	0.354	0	7.911	0.025	0.019
ROM	2048	32	32	14156.454	2.034	3.17	0.354	0	14.805	0.033	0.028
ROM	4096	8	32	6506.341	2.158	3.636	0.354	0	5.458	0.029	0.02
ROM	4096	16	32	11139.937	2.204	3.698	0.354	0	10.256	0.033	0.024
ROM	4096	32	32	20407.129	2.313	3.853	0.354	0	19.671	0.041	0.033
ROM	8192	8	32	11022.579	2.218	3.649	0.354	0	5.776	0.048	0.034
ROM	8192	16	32	18872.487	2.265	3.711	0.354	0	10.796	0.055	0.039
ROM	16384	8	32	20079.522	2.339	3.676	0.354	0	6.411	0.088	0.06
ROM	16384	16	32	34379.478	2.387	3.737	0.354	0	11.877	0.098	0.068
ROM	256	8	64	4528.902	1.696	2.825	0.354	0	4.176	0.017	0.014
ROM	256	16	64	8296.446	1.833	2.825	0.354	0	6.971	0.025	0.02
ROM	512	8	64	4742.161	1.719	2.848	0.354	0	4.412	0.018	0.014
ROM	512	16	64	8687.113	1.853	2.848	0.354	0	7.466	0.025	0.021
ROM	1024	8	64	5168.679	1.764	2.894	0.354	0	4.883	0.019	0.014
ROM	1024	16	64	9468.447	1.892	2.894	0.354	0	8.455	0.026	0.021
ROM	2048	8	64	6021.716	1.853	2.987	0.354	0	5.826	0.021	0.016
ROM	2048	16	64	11031.116	1.97	2.986	0.354	0	10.435	0.028	0.023
ROM	4096	8	64	7727.79	2.032	3.172	0.354	0	7.712	0.024	0.018
ROM	4096	16	64	14156.454	2.126	3.171	0.354	0	14.393	0.032	0.025
ROM	8192	8	64	11139.937	2.295	3.699	0.354	0	10.038	0.032	0.023
ROM	8192	16	64	20407.129	2.402	3.848	0.354	0	19.228	0.04	0.03
ROM	16384	8	64	18872.487	2.357	3.712	0.354	0	10.576	0.054	0.038
ROM	32768	8	64	34379.478	2.48	3.738	0.354	0	11.654	0.097	0.067

tt1p1v25c											
type	word	io	mux	drawing dimension area (um^2)	access_time (ns)	cycle_time (ns)	adr_setup (ns)	adr_hold (ns)	readc (uA/MHz)	leakage (uA)	leakage_pd (uA)
ROM	32	8	8	1232.301	0.762	1.561	0.185	0	1.183	0.191	0.181
ROM	32	16	8	1703.244	0.769	1.561	0.185	0	1.782	0.216	0.203
ROM	32	32	8	2645.13	0.782	1.561	0.185	0	2.98	0.266	0.246
ROM	32	64	8	4528.902	0.809	1.561	0.185	0	5.376	0.366	0.334
ROM	32	128	8	8296.446	0.886	1.56	0.185	0	9.404	0.566	0.508
ROM	64	8	8	1290.328	0.773	1.572	0.185	0	1.218	0.196	0.184
ROM	64	16	8	1783.447	0.78	1.572	0.185	0	1.849	0.221	0.206
ROM	64	32	8	2769.685	0.793	1.572	0.185	0	3.109	0.271	0.249
ROM	64	64	8	4742.161	0.819	1.573	0.185	0	5.63	0.371	0.337
ROM	64	128	8	8687.113	0.896	1.575	0.185	0	9.94	0.571	0.511
ROM	128	8	8	1406.382	0.794	1.596	0.185	0	1.29	0.207	0.189
ROM	128	16	8	1943.853	0.801	1.596	0.185	0	1.983	0.232	0.211
ROM	128	32	8	3018.795	0.815	1.596	0.185	0	3.368	0.282	0.255
ROM	128	64	8	5168.679	0.841	1.596	0.185	0	6.138	0.382	0.342
ROM	128	128	8	9468.447	0.917	1.603	0.185	0	11.011	0.582	0.517
ROM	256	8	8	1638.491	0.837	1.643	0.185	0	1.434	0.228	0.201
ROM	256	16	8	2264.666	0.844	1.643	0.185	0	2.251	0.253	0.223
ROM	256	32	8	3517.016	0.858	1.643	0.185	0	3.885	0.303	0.267
ROM	256	64	8	6021.716	0.885	1.643	0.185	0	7.153	0.403	0.354
ROM	256	128	8	11031.116	0.958	1.66	0.185	0	13.154	0.603	0.529
ROM	512	8	8	2102.709	0.923	1.738	0.185	0	1.721	0.271	0.224
ROM	512	16	8	2906.292	0.93	1.737	0.185	0	2.787	0.296	0.246
ROM	512	32	8	4513.458	0.945	1.737	0.185	0	4.919	0.346	0.29
ROM	512	64	8	7727.79	0.973	1.737	0.185	0	9.182	0.445	0.377
ROM	512	128	8	14156.454	1.041	1.774	0.185	0	17.439	0.645	0.552
ROM	1024	8	8	3031.144	1.023	1.933	0.185	0	2.065	0.356	0.271
ROM	1024	16	8	4189.543	1.03	1.944	0.185	0	3.372	0.381	0.293
ROM	1024	32	8	6506.341	1.045	1.967	0.185	0	5.986	0.431	0.336
ROM	1024	64	8	11139.937	1.074	2.012	0.185	0	11.214	0.53	0.424
ROM	1024	128	8	20407.129	1.153	2.113	0.185	0	21.714	0.73	0.599
ROM	2048	8	8	5135.148	1.056	1.94	0.185	0	2.239	0.588	0.421
ROM	2048	16	8	7097.625	1.064	1.951	0.185	0	3.611	0.622	0.447
ROM	2048	32	8	11022.579	1.079	1.974	0.185	0	6.356	0.689	0.5
ROM	2048	64	8	18872.487	1.109	2.018	0.185	0	11.845	0.824	0.604
ROM	4096	8	8	9354.555	1.123	1.953	0.185	0	2.587	1.054	0.722
ROM	4096	16	8	12929.544	1.131	1.964	0.185	0	4.09	1.105	0.757
ROM	4096	32	8	20079.522	1.147	1.986	0.185	0	7.096	1.207	0.826
ROM	64	8	16	1703.244	0.813	1.561	0.185	0	1.848	0.208	0.194
ROM	64	16	16	2645.13	0.826	1.561	0.185	0	3.102	0.25	0.229
ROM	64	32	16	4528.902	0.853	1.561	0.185	0	5.609	0.334	0.298
ROM	64	64	16	8296.446	0.931	1.561	0.185	0	9.78	0.502	0.438
ROM	128	8	16	1783.447	0.824	1.572	0.185	0	1.913	0.213	0.197
ROM	128	16	16	2769.685	0.837	1.572	0.185	0	3.227	0.255	0.232
ROM	128	32	16	4742.161	0.864	1.572	0.185	0	5.856	0.339	0.301
ROM	128	64	16	8687.113	0.941	1.575	0.185	0	10.302	0.507	0.441
ROM	256	8	16	1943.853	0.845	1.596	0.185	0	2.042	0.224	0.202
ROM	256	16	16	3018.795	0.859	1.596	0.185	0	3.478	0.266	0.237
ROM	256	32	16	5168.679	0.886	1.596	0.185	0	6.349	0.35	0.307
ROM	256	64	16	9468.447	0.962	1.602	0.185	0	11.345	0.518	0.446
ROM	512	8	16	2264.666	0.888	1.643	0.185	0	2.3	0.245	0.214
ROM	512	16	16	3517.016	0.902	1.643	0.185	0	3.979	0.287	0.249
ROM	512	32	16	6021.716	0.93	1.643	0.185	0	7.336	0.371	0.319
ROM	512	64	16	11031.116	1.003	1.658	0.185	0	13.431	0.539	0.458
ROM	1024	8	16	2906.292	0.975	1.737	0.185	0	2.816	0.288	0.237
ROM	1024	16	16	4513.458	0.989	1.737	0.185	0	4.98	0.33	0.272
ROM	1024	32	16	7727.79	1.017	1.737	0.185	0	9.309	0.414	0.342
ROM	1024	64	16	14156.454	1.086	1.768	0.185	0	17.603	0.581	0.481
ROM	2048	8	16	4189.543	1.075	1.937	0.185	0	3.411	0.373	0.284
ROM	2048	16	16	6506.341	1.09	1.958	0.185	0	6.072	0.415	0.319
ROM	2048	32	16	11139.937	1.119	1.999	0.185	0	11.394	0.498	0.388
ROM	2048	64	16	20407.129	1.197	2.106	0.185	0	21.967	0.666	0.528
ROM	4096	8	16	7097.625	1.111	1.944	0.185	0	3.649	0.614	0.439
ROM	4096	16	16	11022.579	1.125	1.964	0.185	0	6.44	0.674	0.482
ROM	4096	32	16	18872.487	1.155	2.005	0.185	0	12.021	0.792	0.569
ROM	8192	8	16	12929.544	1.181	1.957	0.185	0	4.125	1.097	0.748
ROM	8192	16	16	20079.522	1.197	1.978	0.185	0	7.175	1.192	0.808
ROM	8192	32	16	34379.478	1.228	2.019	0.185	0	13.275	1.38	0.929
ROM	128	8	32	2645.13	0.848	1.561	0.185	0	2.894	0.238	0.216
ROM	128	16	32	4528.902	0.875	1.561	0.185	0	5.144	0.311	0.273
ROM	128	32	32	8296.446	0.952	1.561	0.185	0	8.796	0.455	0.386
ROM	256	8	32	2769.685	0.859	1.572	0.185	0	3.017	0.244	0.219
ROM	256	16	32	4742.161	0.885	1.572	0.185	0	5.388	0.316	0.276
ROM	256	32	32	8687.113	0.963	1.575	0.185	0	9.314	0.461	0.389
ROM	512	8	32	3018.795	0.881	1.596	0.185	0	3.263	0.254	0.224
ROM	512	16	32	5168.679	0.907	1.596	0.185	0	5.876	0.327	0.281
ROM	512	32	32	9468.447	0.983	1.603	0.185	0	10.349	0.471	0.395
ROM	1024	8	32	3517.016	0.924	1.643	0.185	0	3.754	0.276	0.236
ROM	1024	16	32	6021.716	0.951	1.643	0.185	0	6.852	0.348	0.293
ROM	1024	32	32	11031.116	1.025	1.658	0.185	0	12.421	0.493	0.407
ROM	2048	8	32	4513.458	1.011	1.737	0.185	0	4.737	0.318	0.259
ROM	2048	16	32	7727.79	1.039	1.737	0.185	0	8.805	0.39	0.316
ROM	2048	32	32	14156.454	1.107	1.768	0.185	0	16.563	0.535	0.43
ROM	4096	8	32	6506.341	1.112	1.962	0.185	0	5.836	0.403	0.306
ROM	4096	16	32	11139.937	1.141	2	0.185	0	10.908	0.475	0.363
ROM	4096	32	32	20407.129	1.219	2.106	0.185	0	20.973	0.62	0.477
ROM	8192	8	32	11022.579	1.148	1.968	0.185	0	6.196	0.662	0.469
ROM	8192	16	32	18872.487	1.177	2.007	0.185	0	11.519	0.769	0.543
ROM	16384	8	32	20079.522	1.22	1.981	0.185	0	6.915	1.18	0.796
ROM	16384	16	32	34379.478	1.251	2.02	0.185	0	12.743	1.357	0.904
ROM	256	8	64	4528.902	0.915	1.561	0.185	0	4.963	0.299	0.259
ROM	256	16	64	8296.446	0.992	1.561	0.185	0	8.347	0.431	0.36
ROM	512	8	64	4742.161	0.926	1.573	0.185	0	5.204	0.304	0.262
ROM	512	16	64	8687.113	1.002	1.575	0.185	0	8.859	0.436	0.363
ROM	1024	8	64	5168.679	0.948	1.596	0.185	0	5.685	0.314	0.268
ROM	1024	16	64	9468.447	1.023	1.603	0.185	0	9.883	0.447	0.368
ROM	2048	8	64	6021.716	0.992	1.643	0.185	0	6.646	0.336	0.28
ROM	2048	16	64	11031.116	1.064	1.658	0.185	0	11.93	0.468	0.38
ROM	4096	8	64	7727.79	1.079	1.737	0.185	0	8.569	0.378	0.303
ROM	4096	16	64	14156.454	1.147	1.768	0.185	0	16.026	0.51	0.403
ROM	8192	8	64	11139.937	1.181	2.001	0.185	0	10.685	0.463	0.349
ROM	8192	16	64	20407.129	1.259	2.105	0.185	0	20.474	0.595	0.45
ROM	16384	8	64	18872.487	1.218	2.008	0.185	0	11.285	0.757	0.53
ROM	32768	8	64	34379.478	1.292	2.021	0.185	0	12.484	1.345	0.89

ff1p21vm40c											
type	word	io	mux	drawing dimension area (um^2)	access_time (ns)	cycle_time (ns)	adr_setup (ns)	adr_hold (ns)	readc (uA/MHz)	leakage (uA)	leakage_pd (uA)
ROM	32	8	8	1232.301	0.499	1.022	0.12	0	1.355	0.147	0.143
ROM	32	16	8	1703.244	0.503	1.022	0.12	0	2.046	0.173	0.168
ROM	32	32	8	2645.13	0.512	1.022	0.12	0	3.429	0.226	0.218
ROM	32	64	8	4528.902	0.53	1.022	0.12	0	6.195	0.332	0.318
ROM	32	128	8	8296.446	0.58	1.021	0.12	0	11.065	0.544	0.517
ROM	64	8	8	1290.328	0.505	1.029	0.12	0	1.392	0.151	0.147
ROM	64	16	8	1783.447	0.509	1.029	0.12	0	2.116	0.177	0.172
ROM	64	32	8	2769.685	0.519	1.029	0.12	0	3.563	0.23	0.221
ROM	64	64	8	4742.161	0.537	1.029	0.12	0	6.458	0.336	0.321
ROM	64	128	8	8687.113	0.587	1.031	0.12	0	11.627	0.547	0.521
ROM	128	8	8	1406.382	0.517	1.044	0.12	0	1.467	0.158	0.154
ROM	128	16	8	1943.853	0.522	1.044	0.12	0	2.255	0.185	0.179
ROM	128	32	8	3018.795	0.531	1.044	0.12	0	3.831	0.238	0.228
ROM	128	64	8	5168.679	0.55	1.044	0.12	0	6.984	0.343	0.328
ROM	128	128	8	9468.447	0.6	1.051	0.12	0	12.75	0.555	0.528
ROM	256	8	8	1638.491	0.542	1.073	0.12	0	1.616	0.173	0.168
ROM	256	16	8	2264.666	0.547	1.073	0.12	0	2.533	0.2	0.192
ROM	256	32	8	3517.016	0.557	1.073	0.12	0	4.367	0.253	0.242
ROM	256	64	8	6021.716	0.576	1.073	0.12	0	8.035	0.358	0.342
ROM	256	128	8	11031.116	0.626	1.091	0.12	0	14.997	0.57	0.542
ROM	512	8	8	2102.709	0.591	1.132	0.12	0	1.915	0.203	0.195
ROM	512	16	8	2906.292	0.597	1.132	0.12	0	3.09	0.23	0.22
ROM	512	32	8	4513.458	0.607	1.132	0.12	0	5.439	0.283	0.27
ROM	512	64	8	7727.79	0.629	1.132	0.12	0	10.138	0.389	0.37
ROM	512	128	8	14156.454	0.679	1.171	0.12	0	19.49	0.6	0.569
ROM	1024	8	8	3031.144	0.638	1.263	0.12	0	2.236	0.264	0.251
ROM	1024	16	8	4189.543	0.644	1.271	0.12	0	3.616	0.29	0.276
ROM	1024	32	8	6506.341	0.655	1.287	0.12	0	6.374	0.343	0.326
ROM	1024	64	8	11139.937	0.677	1.318	0.12	0	11.891	0.449	0.426
ROM	1024	128	8	20407.129	0.734	1.388	0.12	0	23.107	0.66	0.625
ROM	2048	8	8	5135.148	0.66	1.268	0.12	0	2.429	0.425	0.399
ROM	2048	16	8	7097.625	0.666	1.275	0.12	0	3.879	0.457	0.426
ROM	2048	32	8	11022.579	0.677	1.291	0.12	0	6.779	0.522	0.482
ROM	2048	64	8	18872.487	0.7	1.322	0.12	0	12.579	0.652	0.592
ROM	4096	8	8	9354.555	0.704	1.277	0.12	0	2.815	0.748	0.694
ROM	4096	16	8	12929.544	0.71	1.284	0.12	0	4.406	0.792	0.728
ROM	4096	32	8	20079.522	0.722	1.3	0.12	0	7.59	0.88	0.794
ROM	64	8	16	1703.244	0.528	1.022	0.12	0	2.107	0.167	0.159
ROM	64	16	16	2645.13	0.537	1.022	0.12	0	3.541	0.214	0.2
ROM	64	32	16	4528.902	0.556	1.022	0.12	0	6.408	0.307	0.281
ROM	64	64	16	8296.446	0.606	1.021	0.12	0	11.34	0.494	0.444
ROM	128	8	16	1783.447	0.534	1.029	0.12	0	2.174	0.171	0.162
ROM	128	16	16	2769.685	0.544	1.029	0.12	0	3.67	0.218	0.203
ROM	128	32	16	4742.161	0.562	1.029	0.12	0	6.662	0.311	0.284
ROM	128	64	16	8687.113	0.612	1.031	0.12	0	11.886	0.498	0.447
ROM	256	8	16	1943.853	0.547	1.044	0.12	0	2.307	0.178	0.169
ROM	256	16	16	3018.795	0.556	1.044	0.12	0	3.928	0.225	0.21
ROM	256	32	16	5168.679	0.575	1.044	0.12	0	7.17	0.319	0.291
ROM	256	64	16	9468.447	0.625	1.051	0.12	0	12.977	0.506	0.454
ROM	512	8	16	2264.666	0.572	1.073	0.12	0	2.574	0.194	0.183
ROM	512	16	16	3517.016	0.582	1.073	0.12	0	4.445	0.24	0.224
ROM	512	32	16	6021.716	0.602	1.073	0.12	0	8.187	0.334	0.305
ROM	512	64	16	11031.116	0.652	1.089	0.12	0	15.159	0.521	0.468
ROM	1024	8	16	2906.292	0.622	1.132	0.12	0	3.108	0.224	0.211
ROM	1024	16	16	4513.458	0.633	1.132	0.12	0	5.478	0.27	0.252
ROM	1024	32	16	7727.79	0.654	1.132	0.12	0	10.219	0.364	0.333
ROM	1024	64	16	14156.454	0.704	1.167	0.12	0	19.524	0.551	0.496
ROM	2048	8	16	4189.543	0.669	1.267	0.12	0	3.668	0.284	0.267
ROM	2048	16	16	6506.341	0.679	1.281	0.12	0	6.494	0.331	0.307
ROM	2048	32	16	11139.937	0.701	1.311	0.12	0	12.146	0.424	0.389
ROM	2048	64	16	20407.129	0.759	1.383	0.12	0	23.461	0.611	0.551
ROM	4096	8	16	7097.625	0.692	1.271	0.12	0	3.931	0.451	0.417
ROM	4096	16	16	11022.579	0.703	1.285	0.12	0	6.898	0.51	0.463
ROM	4096	32	16	18872.487	0.725	1.315	0.12	0	12.832	0.627	0.556
ROM	8192	8	16	12929.544	0.738	1.279	0.12	0	4.458	0.786	0.718
ROM	8192	16	16	20079.522	0.75	1.294	0.12	0	7.706	0.868	0.775
ROM	8192	32	16	34379.478	0.773	1.323	0.12	0	14.204	1.033	0.89
ROM	128	8	32	2645.13	0.55	1.022	0.12	0	3.303	0.202	0.184
ROM	128	16	32	4528.902	0.568	1.022	0.12	0	5.883	0.284	0.25
ROM	128	32	32	8296.446	0.617	1.021	0.12	0	10.233	0.447	0.382
ROM	256	8	32	2769.685	0.556	1.029	0.12	0	3.429	0.206	0.188
ROM	256	16	32	4742.161	0.574	1.029	0.12	0	6.134	0.287	0.254
ROM	256	32	32	8687.113	0.624	1.031	0.12	0	10.766	0.45	0.385
ROM	512	8	32	3018.795	0.569	1.044	0.12	0	3.682	0.213	0.195
ROM	512	16	32	5168.679	0.588	1.044	0.12	0	6.636	0.295	0.261
ROM	512	32	32	9468.447	0.637	1.051	0.12	0	11.833	0.458	0.392
ROM	1024	8	32	3517.016	0.594	1.073	0.12	0	4.187	0.228	0.209
ROM	1024	16	32	6021.716	0.614	1.073	0.12	0	7.639	0.31	0.274
ROM	1024	32	32	11031.116	0.663	1.09	0.12	0	13.966	0.473	0.406
ROM	2048	8	32	4513.458	0.645	1.132	0.12	0	5.197	0.258	0.236
ROM	2048	16	32	7727.79	0.666	1.132	0.12	0	9.645	0.34	0.302
ROM	2048	32	32	14156.454	0.716	1.167	0.12	0	18.233	0.503	0.434
ROM	4096	8	32	6506.341	0.692	1.285	0.12	0	6.226	0.319	0.292
ROM	4096	16	32	11139.937	0.713	1.312	0.12	0	11.61	0.4	0.358
ROM	4096	32	32	20407.129	0.77	1.384	0.12	0	22.363	0.563	0.49
ROM	8192	8	32	11022.579	0.716	1.289	0.12	0	6.623	0.498	0.448
ROM	8192	16	32	18872.487	0.737	1.316	0.12	0	12.28	0.603	0.525
ROM	16384	8	32	20079.522	0.763	1.297	0.12	0	7.415	0.856	0.76
ROM	16384	16	32	34379.478	0.786	1.324	0.12	0	13.621	1.009	0.859
ROM	256	8	64	4528.902	0.591	1.022	0.12	0	5.671	0.271	0.234
ROM	256	16	64	8296.446	0.64	1.022	0.12	0	9.706	0.422	0.35
ROM	512	8	64	4742.161	0.597	1.029	0.12	0	5.917	0.275	0.238
ROM	512	16	64	8687.113	0.646	1.031	0.12	0	10.232	0.425	0.353
ROM	1024	8	64	5168.679	0.61	1.043	0.12	0	6.409	0.282	0.245
ROM	1024	16	64	9468.447	0.659	1.051	0.12	0	11.284	0.433	0.36
ROM	2048	8	64	6021.716	0.636	1.073	0.12	0	7.393	0.297	0.258
ROM	2048	16	64	11031.116	0.686	1.09	0.12	0	13.388	0.448	0.374
ROM	4096	8	64	7727.79	0.689	1.131	0.12	0	9.361	0.327	0.286
ROM	4096	16	64	14156.454	0.738	1.167	0.12	0	17.595	0.478	0.402
ROM	8192	8	64	11139.937	0.735	1.315	0.12	0	11.364	0.388	0.342
ROM	8192	16	64	20407.129	0.793	1.386	0.12	0	21.824	0.538	0.458
ROM	16384	8	64	18872.487	0.76	1.318	0.12	0	12.018	0.591	0.509
ROM	32768	8	64	34379.478	0.809	1.326	0.12	0	13.325	0.997	0.843

ss0p99v125c											
type	word	io	mux	drawing dimension area (um^2)	access_time (ns)	cycle_time (ns)	adr_setup (ns)	adr_hold (ns)	readc (uA/MHz)	leakage (uA)	leakage_pd (uA)
ROM	32	8	8	1232.301	1.264	2.589	0.327	0	1.035	1.645	1.52
ROM	32	16	8	1703.244	1.276	2.589	0.327	0	1.556	1.851	1.695
ROM	32	32	8	2645.13	1.299	2.589	0.327	0	2.599	2.265	2.044
ROM	32	64	8	4528.902	1.345	2.589	0.327	0	4.683	3.092	2.743
ROM	32	128	8	8296.446	1.458	2.588	0.327	0	8.217	4.745	4.14
ROM	64	8	8	1290.328	1.284	2.609	0.327	0	1.07	1.734	1.541
ROM	64	16	8	1783.447	1.296	2.609	0.327	0	1.621	1.941	1.716
ROM	64	32	8	2769.685	1.319	2.609	0.327	0	2.723	2.354	2.065
ROM	64	64	8	4742.161	1.365	2.609	0.327	0	4.928	3.181	2.764
ROM	64	128	8	8687.113	1.477	2.613	0.327	0	8.723	4.835	4.161
ROM	128	8	8	1406.382	1.325	2.651	0.327	0	1.139	1.913	1.583
ROM	128	16	8	1943.853	1.336	2.651	0.327	0	1.75	2.119	1.758
ROM	128	32	8	3018.795	1.359	2.651	0.327	0	2.972	2.533	2.107
ROM	128	64	8	5168.679	1.404	2.651	0.327	0	5.417	3.359	2.805
ROM	128	128	8	9468.447	1.514	2.662	0.327	0	9.734	5.013	4.202
ROM	256	8	8	1638.491	1.406	2.735	0.327	0	1.278	2.27	1.667
ROM	256	16	8	2264.666	1.417	2.735	0.327	0	2.009	2.476	1.842
ROM	256	32	8	3517.016	1.439	2.735	0.327	0	3.471	2.89	2.191
ROM	256	64	8	6021.716	1.482	2.735	0.327	0	6.395	3.717	2.889
ROM	256	128	8	11031.116	1.588	2.759	0.327	0	11.757	5.37	4.286
ROM	512	8	8	2102.709	1.567	2.902	0.327	0	1.555	2.984	1.835
ROM	512	16	8	2906.292	1.578	2.902	0.327	0	2.526	3.191	2.009
ROM	512	32	8	4513.458	1.598	2.902	0.327	0	4.467	3.604	2.358
ROM	512	64	8	7727.79	1.639	2.902	0.327	0	8.35	4.431	3.057
ROM	512	128	8	14156.454	1.736	2.955	0.327	0	15.802	6.085	4.454
ROM	1024	8	8	3031.144	1.773	3.318	0.327	0	1.905	4.413	2.17
ROM	1024	16	8	4189.543	1.784	3.335	0.327	0	3.136	4.62	2.344
ROM	1024	32	8	6506.341	1.806	3.37	0.327	0	5.596	5.033	2.694
ROM	1024	64	8	11139.937	1.85	3.439	0.327	0	10.517	5.86	3.392
ROM	1024	128	8	20407.129	1.962	3.592	0.327	0	20.376	7.514	4.789
ROM	2048	8	8	5135.148	1.827	3.331	0.327	0	2.06	7.834	3.35
ROM	2048	16	8	7097.625	1.838	3.349	0.327	0	3.348	8.134	3.581
ROM	2048	32	8	11022.579	1.861	3.383	0.327	0	5.923	8.735	4.042
ROM	2048	64	8	18872.487	1.906	3.451	0.327	0	11.075	9.937	4.963
ROM	4096	8	8	9354.555	1.934	3.359	0.327	0	2.369	14.675	5.711
ROM	4096	16	8	12929.544	1.945	3.376	0.327	0	3.772	15.163	6.053
ROM	4096	32	8	20079.522	1.969	3.409	0.327	0	6.578	16.14	6.737
ROM	64	8	16	1703.244	1.354	2.589	0.327	0	1.621	1.797	1.635
ROM	64	16	16	2645.13	1.374	2.589	0.327	0	2.719	2.156	1.925
ROM	64	32	16	4528.902	1.415	2.589	0.327	0	4.915	2.874	2.505
ROM	64	64	16	8296.446	1.537	2.588	0.327	0	8.602	4.31	3.664
ROM	128	8	16	1783.447	1.374	2.61	0.327	0	1.682	1.886	1.656
ROM	128	16	16	2769.685	1.394	2.61	0.327	0	2.838	2.245	1.946
ROM	128	32	16	4742.161	1.435	2.61	0.327	0	5.15	2.963	2.526
ROM	128	64	16	8687.113	1.556	2.612	0.327	0	9.091	4.399	3.685
ROM	256	8	16	1943.853	1.415	2.652	0.327	0	1.805	2.065	1.698
ROM	256	16	16	3018.795	1.435	2.652	0.327	0	3.076	2.424	1.988
ROM	256	32	16	5168.679	1.476	2.651	0.327	0	5.619	3.142	2.568
ROM	256	64	16	9468.447	1.593	2.659	0.327	0	10.068	4.577	3.727
ROM	512	8	16	2264.666	1.496	2.735	0.327	0	2.051	2.422	1.782
ROM	512	16	16	3517.016	1.516	2.735	0.327	0	3.553	2.781	2.072
ROM	512	32	16	6021.716	1.557	2.735	0.327	0	6.557	3.499	2.652
ROM	512	64	16	11031.116	1.668	2.754	0.327	0	12.022	4.935	3.811
ROM	1024	8	16	2906.292	1.658	2.902	0.327	0	2.543	3.136	1.95
ROM	1024	16	16	4513.458	1.679	2.902	0.327	0	4.506	3.495	2.24
ROM	1024	32	16	7727.79	1.72	2.902	0.327	0	8.433	4.213	2.819
ROM	1024	64	16	14156.454	1.817	2.943	0.327	0	15.931	5.649	3.979
ROM	2048	8	16	4189.543	1.865	3.327	0.327	0	3.152	4.565	2.285
ROM	2048	16	16	6506.341	1.887	3.358	0.327	0	5.637	4.924	2.575
ROM	2048	32	16	11139.937	1.931	3.421	0.327	0	10.609	5.642	3.155
ROM	2048	64	16	20407.129	2.042	3.571	0.327	0	20.449	7.078	4.314
ROM	4096	8	16	7097.625	1.922	3.34	0.327	0	3.364	8.08	3.521
ROM	4096	16	16	11022.579	1.944	3.371	0.327	0	5.966	8.626	3.923
ROM	4096	32	16	18872.487	1.989	3.434	0.327	0	11.169	9.719	4.726
ROM	8192	8	16	12929.544	2.035	3.366	0.327	0	3.789	15.109	5.994
ROM	8192	16	16	20079.522	2.058	3.397	0.327	0	6.622	16.031	6.619
ROM	8192	32	16	34379.478	2.105	3.459	0.327	0	12.289	17.874	7.868
ROM	128	8	32	2645.13	1.415	2.589	0.327	0	2.532	2.07	1.836
ROM	128	16	32	4528.902	1.455	2.589	0.327	0	4.503	2.702	2.326
ROM	128	32	32	8296.446	1.576	2.589	0.327	0	7.738	3.966	3.306
ROM	256	8	32	2769.685	1.436	2.61	0.327	0	2.649	2.159	1.857
ROM	256	16	32	4742.161	1.476	2.61	0.327	0	4.735	2.791	2.347
ROM	256	32	32	8687.113	1.595	2.612	0.327	0	8.225	4.055	3.327
ROM	512	8	32	3018.795	1.476	2.651	0.327	0	2.883	2.338	1.899
ROM	512	16	32	5168.679	1.517	2.651	0.327	0	5.199	2.97	2.389
ROM	512	32	32	9468.447	1.633	2.66	0.327	0	9.197	4.234	3.369
ROM	1024	8	32	3517.016	1.558	2.735	0.327	0	3.352	2.695	1.982
ROM	1024	16	32	6021.716	1.598	2.735	0.327	0	6.127	3.327	2.473
ROM	1024	32	32	11031.116	1.708	2.754	0.327	0	11.141	4.591	3.453
ROM	2048	8	32	4513.458	1.721	2.901	0.327	0	4.288	3.409	2.15
ROM	2048	16	32	7727.79	1.762	2.902	0.327	0	7.983	4.041	2.64
ROM	2048	32	32	14156.454	1.858	2.943	0.327	0	15.029	5.305	3.621
ROM	4096	8	32	6506.341	1.928	3.367	0.327	0	5.418	4.838	2.485
ROM	4096	16	32	11139.937	1.971	3.427	0.327	0	10.158	5.47	2.976
ROM	4096	32	32	20407.129	2.083	3.581	0.327	0	19.545	6.734	3.956
ROM	8192	8	32	11022.579	1.986	3.38	0.327	0	5.739	8.54	3.833
ROM	8192	16	32	18872.487	2.03	3.439	0.327	0	10.705	9.548	4.547
ROM	16384	8	32	20079.522	2.101	3.404	0.327	0	6.381	15.945	6.529
ROM	16384	16	32	34379.478	2.147	3.463	0.327	0	11.799	17.702	7.689
ROM	256	8	64	4528.902	1.534	2.589	0.327	0	4.343	2.613	2.234
ROM	256	16	64	8296.446	1.653	2.589	0.327	0	7.347	3.788	3.123
ROM	512	8	64	4742.161	1.554	2.61	0.327	0	4.572	2.702	2.255
ROM	512	16	64	8687.113	1.671	2.613	0.327	0	7.829	3.877	3.143
ROM	1024	8	64	5168.679	1.595	2.652	0.327	0	5.028	2.881	2.297
ROM	1024	16	64	9468.447	1.709	2.66	0.327	0	8.793	4.056	3.185
ROM	2048	8	64	6021.716	1.676	2.735	0.327	0	5.942	3.238	2.381
ROM	2048	16	64	11031.116	1.784	2.754	0.327	0	10.721	4.413	3.269
ROM	4096	8	64	7727.79	1.839	2.902	0.327	0	7.768	3.952	2.548
ROM	4096	16	64	14156.454	1.934	2.943	0.327	0	14.577	5.128	3.437
ROM	8192	8	64	11139.937	2.047	3.426	0.327	0	9.946	5.381	2.884
ROM	8192	16	64	20407.129	2.158	3.575	0.327	0	19.083	6.556	3.772
ROM	16384	8	64	18872.487	2.107	3.438	0.327	0	10.486	9.459	4.455
ROM	32768	8	64	34379.478	2.225	3.463	0.327	0	11.565	17.613	7.597

ff1p21v125c											
type	word	io	mux	drawing dimension area (um^2)	access_time (ns)	cycle_time (ns)	adr_setup (ns)	adr_hold (ns)	readc (uA/MHz)	leakage (uA)	leakage_pd (uA)
ROM	32	8	8	1232.301	0.527	1.093	0.135	0	1.474	17.213	16.445
ROM	32	16	8	1703.244	0.533	1.093	0.135	0	2.185	20.18	18.949
ROM	32	32	8	2645.13	0.544	1.093	0.135	0	3.608	26.113	23.956
ROM	32	64	8	4528.902	0.566	1.093	0.135	0	6.455	37.978	33.969
ROM	32	128	8	8296.446	0.627	1.093	0.135	0	12.166	61.708	53.997
ROM	64	8	8	1290.328	0.533	1.101	0.135	0	1.51	17.645	16.712
ROM	64	16	8	1783.447	0.539	1.101	0.135	0	2.254	20.611	19.216
ROM	64	32	8	2769.685	0.55	1.101	0.135	0	3.741	26.544	24.223
ROM	64	64	8	4742.161	0.572	1.101	0.135	0	6.716	38.409	34.236
ROM	64	128	8	8687.113	0.634	1.105	0.135	0	12.7	62.139	54.264
ROM	128	8	8	1406.382	0.546	1.117	0.135	0	1.584	18.507	17.246
ROM	128	16	8	1943.853	0.551	1.117	0.135	0	2.391	21.474	19.75
ROM	128	32	8	3018.795	0.563	1.116	0.135	0	4.007	27.406	24.756
ROM	128	64	8	5168.679	0.585	1.116	0.135	0	7.238	39.271	34.77
ROM	128	128	8	9468.447	0.648	1.129	0.135	0	13.766	63.002	54.797
ROM	256	8	8	1638.491	0.571	1.148	0.135	0	1.73	20.232	18.314
ROM	256	16	8	2264.666	0.577	1.147	0.135	0	2.666	23.199	20.817
ROM	256	32	8	3517.016	0.588	1.147	0.135	0	4.538	29.131	25.824
ROM	256	64	8	6021.716	0.612	1.147	0.135	0	8.283	40.996	35.837
ROM	256	128	8	11031.116	0.675	1.178	0.135	0	15.9	64.727	55.865
ROM	512	8	8	2102.709	0.621	1.209	0.135	0	2.023	23.682	20.448
ROM	512	16	8	2906.292	0.627	1.209	0.135	0	3.215	26.648	22.952
ROM	512	32	8	4513.458	0.639	1.209	0.135	0	5.601	32.581	27.959
ROM	512	64	8	7727.79	0.664	1.209	0.135	0	10.372	44.446	37.972
ROM	512	128	8	14156.454	0.729	1.276	0.135	0	20.167	68.177	58
ROM	1024	8	8	3031.144	0.669	1.366	0.135	0	2.333	30.582	24.718
ROM	1024	16	8	4189.543	0.675	1.375	0.135	0	3.72	33.548	27.222
ROM	1024	32	8	6506.341	0.688	1.393	0.135	0	6.494	39.481	32.228
ROM	1024	64	8	11139.937	0.713	1.429	0.135	0	12.043	51.346	42.242
ROM	1024	128	8	20407.129	0.783	1.513	0.135	0	23.731	75.077	62.27
ROM	2048	8	8	5135.148	0.695	1.37	0.135	0	2.534	49.828	37.989
ROM	2048	16	8	7097.625	0.702	1.379	0.135	0	3.999	53.86	40.946
ROM	2048	32	8	11022.579	0.715	1.397	0.135	0	6.928	61.925	46.859
ROM	2048	64	8	18872.487	0.741	1.433	0.135	0	12.786	78.053	58.687
ROM	4096	8	8	9354.555	0.747	1.38	0.135	0	2.936	88.32	64.53
ROM	4096	16	8	12929.544	0.754	1.389	0.135	0	4.555	94.484	68.394
ROM	4096	32	8	20079.522	0.769	1.406	0.135	0	7.795	106.812	76.121
ROM	64	8	16	1703.244	0.558	1.093	0.135	0	2.231	19.167	17.883
ROM	64	16	16	2645.13	0.569	1.093	0.135	0	3.687	24.086	21.825
ROM	64	32	16	4528.902	0.591	1.093	0.135	0	6.601	33.925	29.707
ROM	64	64	16	8296.446	0.653	1.093	0.135	0	12.231	53.604	45.473
ROM	128	8	16	1783.447	0.564	1.101	0.135	0	2.297	19.598	18.15
ROM	128	16	16	2769.685	0.575	1.101	0.135	0	3.817	24.518	22.092
ROM	128	32	16	4742.161	0.598	1.101	0.135	0	6.857	34.357	29.974
ROM	128	64	16	8687.113	0.66	1.105	0.135	0	12.753	54.035	45.74
ROM	256	8	16	1943.853	0.577	1.116	0.135	0	2.43	20.46	18.684
ROM	256	16	16	3018.795	0.588	1.116	0.135	0	4.076	25.38	22.625
ROM	256	32	16	5168.679	0.611	1.116	0.135	0	7.369	35.219	30.508
ROM	256	64	16	9468.447	0.674	1.128	0.135	0	13.798	54.897	46.273
ROM	512	8	16	2264.666	0.602	1.147	0.135	0	2.696	22.186	19.751
ROM	512	16	16	3517.016	0.614	1.147	0.135	0	4.595	27.105	23.693
ROM	512	32	16	6021.716	0.637	1.147	0.135	0	8.393	36.944	31.576
ROM	512	64	16	11031.116	0.701	1.176	0.135	0	15.888	56.622	47.341
ROM	1024	8	16	2906.292	0.652	1.209	0.135	0	3.228	25.636	21.886
ROM	1024	16	16	4513.458	0.665	1.209	0.135	0	5.632	30.555	25.828
ROM	1024	32	16	7727.79	0.689	1.209	0.135	0	10.44	40.394	33.71
ROM	1024	64	16	14156.454	0.755	1.272	0.135	0	20.068	60.072	49.476
ROM	2048	8	16	4189.543	0.696	1.368	0.135	0	3.777	32.535	26.156
ROM	2048	16	16	6506.341	0.708	1.386	0.135	0	6.62	37.455	30.097
ROM	2048	32	16	11139.937	0.734	1.422	0.135	0	12.306	47.294	37.98
ROM	2048	64	16	20407.129	0.807	1.508	0.135	0	24.001	66.972	53.745
ROM	4096	8	16	7097.625	0.724	1.373	0.135	0	4.048	52.847	39.88
ROM	4096	16	16	11022.579	0.737	1.391	0.135	0	7.04	59.899	44.728
ROM	4096	32	16	18872.487	0.764	1.426	0.135	0	13.023	74.001	54.425
ROM	8192	8	16	12929.544	0.78	1.383	0.135	0	4.592	93.471	67.328
ROM	8192	16	16	20079.522	0.794	1.4	0.135	0	7.88	104.786	73.99
ROM	8192	32	16	34379.478	0.824	1.435	0.135	0	14.457	127.415	87.313
ROM	128	8	32	2645.13	0.581	1.093	0.135	0	3.428	22.805	20.434
ROM	128	16	32	4528.902	0.603	1.093	0.135	0	6.04	31.363	26.925
ROM	128	32	32	8296.446	0.665	1.093	0.135	0	10.921	48.478	39.908
ROM	256	8	32	2769.685	0.587	1.1	0.135	0	3.555	23.236	20.701
ROM	256	16	32	4742.161	0.61	1.101	0.135	0	6.293	31.794	27.192
ROM	256	32	32	8687.113	0.672	1.105	0.135	0	11.436	48.91	40.175
ROM	512	8	32	3018.795	0.6	1.116	0.135	0	3.809	24.099	21.234
ROM	512	16	32	5168.679	0.623	1.116	0.135	0	6.798	32.657	27.726
ROM	512	32	32	9468.447	0.685	1.129	0.135	0	12.466	49.772	40.709
ROM	1024	8	32	3517.016	0.626	1.147	0.135	0	4.316	25.824	22.302
ROM	1024	16	32	6021.716	0.649	1.147	0.135	0	7.808	34.382	28.793
ROM	1024	32	32	11031.116	0.712	1.177	0.135	0	14.526	51.497	41.776
ROM	2048	8	32	4513.458	0.677	1.209	0.135	0	5.331	29.274	24.436
ROM	2048	16	32	7727.79	0.701	1.209	0.135	0	9.828	37.832	30.928
ROM	2048	32	32	14156.454	0.766	1.273	0.135	0	18.646	54.947	43.911
ROM	4096	8	32	6506.341	0.721	1.39	0.135	0	6.35	36.174	28.706
ROM	4096	16	32	11139.937	0.746	1.423	0.135	0	11.767	44.731	35.198
ROM	4096	32	32	20407.129	0.819	1.509	0.135	0	22.8	61.847	48.181
ROM	8192	8	32	11022.579	0.75	1.394	0.135	0	6.759	58.617	43.337
ROM	8192	16	32	18872.487	0.776	1.427	0.135	0	12.461	71.439	51.642
ROM	16384	8	32	20079.522	0.808	1.403	0.135	0	7.577	103.505	72.599
ROM	16384	16	32	34379.478	0.836	1.436	0.135	0	13.849	124.853	84.531
ROM	256	8	64	4528.902	0.625	1.093	0.135	0	5.798	30.022	25.475
ROM	256	16	64	8296.446	0.686	1.093	0.135	0	10.28	45.796	37.008
ROM	512	8	64	4742.161	0.632	1.101	0.135	0	6.047	30.453	25.742
ROM	512	16	64	8687.113	0.693	1.105	0.135	0	10.79	46.227	37.275
ROM	1024	8	64	5168.679	0.645	1.116	0.135	0	6.544	31.316	26.276
ROM	1024	16	64	9468.447	0.706	1.129	0.135	0	11.811	47.09	37.809
ROM	2048	8	64	6021.716	0.671	1.147	0.135	0	7.539	33.041	27.343
ROM	2048	16	64	11031.116	0.733	1.177	0.135	0	13.853	48.815	38.876
ROM	4096	8	64	7727.79	0.723	1.209	0.135	0	9.529	36.49	29.478
ROM	4096	16	64	14156.454	0.787	1.273	0.135	0	17.936	52.265	41.011
ROM	8192	8	64	11139.937	0.767	1.423	0.135	0	11.51	43.39	33.748
ROM	8192	16	64	20407.129	0.84	1.509	0.135	0	22.209	59.165	45.281
ROM	16384	8	64	18872.487	0.798	1.427	0.135	0	12.187	70.097	50.192
ROM	32768	8	64	34379.478	0.858	1.437	0.135	0	13.541	123.512	83.081

ss0p99vm40c

type	word	io	mux	drawing dimension area (um^2)	access_time (ns)	cycle_time (ns)	adr_setup (ns)	adr_hold (ns)	readc (uA/MHz)	leakage (uA)	leakage_pd (uA)
ROM	32	8	8	1232.301	1.463	2.94	0.371	0	0.985	0.006	0.004
ROM	32	16	8	1703.244	1.477	2.94	0.371	0	1.47	0.006	0.005
ROM	32	32	8	2645.13	1.506	2.94	0.371	0	2.44	0.008	0.007
ROM	32	64	8	4528.902	1.564	2.939	0.371	0	4.381	0.01	0.011
ROM	32	128	8	8296.446	1.697	2.94	0.371	0	7.67	0.015	0.02
ROM	64	8	8	1290.328	1.486	2.964	0.371	0	1.02	0.006	0.004
ROM	64	16	8	1783.447	1.5	2.964	0.371	0	1.537	0.007	0.005
ROM	64	32	8	2769.685	1.529	2.964	0.371	0	2.57	0.008	0.007
ROM	64	64	8	4742.161	1.585	2.964	0.371	0	4.636	0.01	0.011
ROM	64	128	8	8687.113	1.716	2.964	0.371	0	8.181	0.015	0.02
ROM	128	8	8	1406.382	1.533	3.013	0.371	0	1.092	0.006	0.004
ROM	128	16	8	1943.853	1.547	3.013	0.371	0	1.671	0.007	0.005
ROM	128	32	8	3018.795	1.574	3.013	0.371	0	2.83	0.008	0.008
ROM	128	64	8	5168.679	1.629	3.012	0.371	0	5.148	0.011	0.012
ROM	128	128	8	9468.447	1.754	3.013	0.371	0	9.201	0.016	0.02
ROM	256	8	8	1638.491	1.628	3.11	0.371	0	1.235	0.007	0.005
ROM	256	16	8	2264.666	1.641	3.11	0.371	0	1.94	0.008	0.006
ROM	256	32	8	3517.016	1.666	3.11	0.371	0	3.35	0.009	0.008
ROM	256	64	8	6021.716	1.716	3.11	0.371	0	6.17	0.012	0.013
ROM	256	128	8	11031.116	1.831	3.11	0.371	0	11.242	0.017	0.021
ROM	512	8	8	2102.709	1.817	3.304	0.371	0	1.521	0.009	0.007
ROM	512	16	8	2906.292	1.827	3.304	0.371	0	2.477	0.01	0.008
ROM	512	32	8	4513.458	1.848	3.304	0.371	0	4.39	0.011	0.01
ROM	512	64	8	7727.79	1.891	3.304	0.371	0	8.215	0.013	0.014
ROM	512	128	8	14156.454	1.984	3.305	0.371	0	15.325	0.018	0.023
ROM	1024	8	8	3031.144	2.097	3.752	0.371	0	1.916	0.012	0.01
ROM	1024	16	8	4189.543	2.109	3.77	0.371	0	3.18	0.013	0.011
ROM	1024	32	8	6506.341	2.134	3.807	0.371	0	5.709	0.014	0.013
ROM	1024	64	8	11139.937	2.184	3.88	0.371	0	10.768	0.017	0.017
ROM	1024	128	8	20407.129	2.291	4.037	0.371	0	20.681	0.022	0.026
ROM	2048	8	8	5135.148	2.156	3.765	0.371	0	2.063	0.02	0.016
ROM	2048	16	8	7097.625	2.168	3.784	0.371	0	3.379	0.021	0.018
ROM	2048	32	8	11022.579	2.193	3.82	0.371	0	6.012	0.023	0.02
ROM	2048	64	8	18872.487	2.243	3.893	0.371	0	11.277	0.026	0.025
ROM	4096	8	8	9354.555	2.273	3.793	0.371	0	2.358	0.036	0.03
ROM	4096	16	8	12929.544	2.286	3.811	0.371	0	3.777	0.037	0.032
ROM	4096	32	8	20079.522	2.312	3.847	0.371	0	6.616	0.04	0.035
ROM	64	8	16	1703.244	1.567	2.939	0.371	0	1.536	0.006	0.004
ROM	64	16	16	2645.13	1.589	2.939	0.371	0	2.562	0.007	0.006
ROM	64	32	16	4528.902	1.632	2.94	0.371	0	4.613	0.01	0.009
ROM	64	64	16	8296.446	1.787	2.941	0.371	0	8.043	0.015	0.016
ROM	128	8	16	1783.447	1.591	2.963	0.371	0	1.601	0.006	0.005
ROM	128	16	16	2769.685	1.612	2.964	0.371	0	2.687	0.008	0.006
ROM	128	32	16	4742.161	1.655	2.964	0.371	0	4.861	0.01	0.009
ROM	128	64	16	8687.113	1.806	2.965	0.371	0	8.548	0.015	0.016
ROM	256	8	16	1943.853	1.638	3.012	0.371	0	1.729	0.007	0.005
ROM	256	16	16	3018.795	1.66	3.012	0.371	0	2.939	0.008	0.007
ROM	256	32	16	5168.679	1.703	3.013	0.371	0	5.357	0.011	0.01
ROM	256	64	16	9468.447	1.846	3.014	0.371	0	9.556	0.015	0.016
ROM	512	8	16	2264.666	1.733	3.109	0.371	0	1.987	0.008	0.006
ROM	512	16	16	3517.016	1.754	3.11	0.371	0	3.441	0.009	0.007
ROM	512	32	16	6021.716	1.797	3.11	0.371	0	6.349	0.011	0.011
ROM	512	64	16	11031.116	1.924	3.11	0.371	0	11.573	0.016	0.017
ROM	1024	8	16	2906.292	1.923	3.304	0.371	0	2.502	0.009	0.007
ROM	1024	16	16	4513.458	1.944	3.304	0.371	0	4.445	0.011	0.009
ROM	1024	32	16	7727.79	1.985	3.304	0.371	0	8.332	0.013	0.012
ROM	1024	64	16	14156.454	2.08	3.304	0.371	0	15.606	0.018	0.019
ROM	2048	8	16	4189.543	2.204	3.764	0.371	0	3.173	0.013	0.01
ROM	2048	16	16	6506.341	2.229	3.798	0.371	0	5.699	0.014	0.012
ROM	2048	32	16	11139.937	2.277	3.866	0.371	0	10.751	0.017	0.015
ROM	2048	64	16	20407.129	2.386	4.023	0.371	0	20.652	0.021	0.022
ROM	4096	8	16	7097.625	2.265	3.777	0.371	0	3.378	0.021	0.017
ROM	4096	16	16	11022.579	2.29	3.811	0.371	0	6.014	0.023	0.019
ROM	4096	32	16	18872.487	2.339	3.879	0.371	0	11.286	0.026	0.023
ROM	8192	8	16	12929.544	2.388	3.803	0.371	0	3.789	0.037	0.031
ROM	8192	16	16	20079.522	2.413	3.838	0.371	0	6.645	0.039	0.034
ROM	8192	32	16	34379.478	2.463	3.906	0.371	0	12.357	0.045	0.039
ROM	128	8	32	2645.13	1.638	2.939	0.371	0	2.391	0.007	0.005
ROM	128	16	32	4528.902	1.681	2.94	0.371	0	4.225	0.009	0.008
ROM	128	32	32	8296.446	1.834	2.941	0.371	0	7.197	0.013	0.012
ROM	256	8	32	2769.685	1.662	2.964	0.371	0	2.514	0.007	0.005
ROM	256	16	32	4742.161	1.705	2.964	0.371	0	4.47	0.009	0.008
ROM	256	32	32	8687.113	1.854	2.965	0.371	0	7.7	0.014	0.013
ROM	512	8	32	3018.795	1.709	3.012	0.371	0	2.759	0.008	0.006
ROM	512	16	32	5168.679	1.752	3.013	0.371	0	4.958	0.01	0.008
ROM	512	32	32	9468.447	1.893	3.013	0.371	0	8.705	0.014	0.013
ROM	1024	8	32	3517.016	1.804	3.11	0.371	0	3.25	0.009	0.006
ROM	1024	16	32	6021.716	1.846	3.11	0.371	0	5.936	0.011	0.009
ROM	1024	32	32	11031.116	1.972	3.11	0.371	0	10.716	0.015	0.014
ROM	2048	8	32	4513.458	1.994	3.304	0.371	0	4.232	0.01	0.008
ROM	2048	16	32	7727.79	2.035	3.304	0.371	0	7.89	0.012	0.01
ROM	2048	32	32	14156.454	2.129	3.304	0.371	0	14.737	0.017	0.015
ROM	4096	8	32	6506.341	2.28	3.804	0.371	0	5.481	0.014	0.011
ROM	4096	16	32	11139.937	2.327	3.867	0.371	0	10.307	0.016	0.013
ROM	4096	32	32	20407.129	2.434	4.022	0.371	0	19.754	0.02	0.018
ROM	8192	8	32	11022.579	2.342	3.817	0.371	0	5.794	0.022	0.018
ROM	8192	16	32	18872.487	2.389	3.881	0.371	0	10.839	0.025	0.021
ROM	16384	8	32	20079.522	2.465	3.844	0.371	0	6.421	0.039	0.033
ROM	16384	16	32	34379.478	2.513	3.907	0.371	0	11.903	0.044	0.037
ROM	256	8	64	4528.902	1.778	2.94	0.371	0	4.076	0.009	0.007
ROM	256	16	64	8296.446	1.929	2.94	0.371	0	6.805	0.013	0.011
ROM	512	8	64	4742.161	1.802	2.965	0.371	0	4.317	0.009	0.007
ROM	512	16	64	8687.113	1.949	2.964	0.371	0	7.306	0.013	0.011
ROM	1024	8	64	5168.679	1.849	3.013	0.371	0	4.798	0.01	0.007
ROM	1024	16	64	9468.447	1.988	3.013	0.371	0	8.309	0.013	0.011
ROM	2048	8	64	6021.716	1.944	3.11	0.371	0	5.761	0.01	0.008
ROM	2048	16	64	11031.116	2.068	3.109	0.371	0	10.314	0.014	0.012
ROM	4096	8	64	7727.79	2.132	3.304	0.371	0	7.686	0.012	0.01
ROM	4096	16	64	14156.454	2.226	3.303	0.371	0	14.325	0.016	0.014
ROM	8192	8	64	11139.937	2.424	3.867	0.371	0	10.076	0.016	0.013
ROM	8192	16	64	20407.129	2.53	4.021	0.371	0	19.259	0.019	0.017
ROM	16384	8	64	18872.487	2.487	3.88	0.371	0	10.609	0.025	0.021
ROM	32768	8	64	34379.478	2.612	3.907	0.371	0	11.674	0.044	0.037

tt1p1v125c											
type	word	io	mux	drawing dimension area (um^2)	access_time (ns)	cycle_time (ns)	adr_setup (ns)	adr_hold (ns)	readc (uA/MHz)	leakage (uA)	leakage_pd (uA)
ROM	32	8	8	1232.301	0.766	1.579	0.193	0	1.218	6.931	6.553
ROM	32	16	8	1703.244	0.773	1.579	0.193	0	1.825	7.956	7.426
ROM	32	32	8	2645.13	0.787	1.579	0.193	0	3.039	10.006	9.171
ROM	32	64	8	4528.902	0.815	1.58	0.193	0	5.468	14.107	12.662
ROM	32	128	8	8296.446	0.897	1.579	0.193	0	9.79	22.309	19.643
ROM	64	8	8	1290.328	0.776	1.591	0.193	0	1.253	7.169	6.642
ROM	64	16	8	1783.447	0.783	1.591	0.193	0	1.892	8.194	7.515
ROM	64	32	8	2769.685	0.797	1.591	0.193	0	3.168	10.245	9.26
ROM	64	64	8	4742.161	0.826	1.591	0.193	0	5.721	14.345	12.751
ROM	64	128	8	8687.113	0.907	1.595	0.193	0	10.319	22.547	19.733
ROM	128	8	8	1406.382	0.798	1.615	0.193	0	1.325	7.646	6.82
ROM	128	16	8	1943.853	0.805	1.615	0.193	0	2.025	8.671	7.693
ROM	128	32	8	3018.795	0.819	1.615	0.193	0	3.426	10.722	9.439
ROM	128	64	8	5168.679	0.847	1.615	0.193	0	6.228	14.822	12.929
ROM	128	128	8	9468.447	0.928	1.627	0.193	0	11.376	23.024	19.911
ROM	256	8	8	1638.491	0.84	1.662	0.193	0	1.468	8.599	7.177
ROM	256	16	8	2264.666	0.847	1.662	0.193	0	2.293	9.625	8.05
ROM	256	32	8	3517.016	0.862	1.662	0.193	0	3.943	11.675	9.795
ROM	256	64	8	6021.716	0.891	1.662	0.193	0	7.242	15.776	13.286
ROM	256	128	8	11031.116	0.97	1.692	0.193	0	13.491	23.977	20.267
ROM	512	8	8	2102.709	0.925	1.756	0.193	0	1.755	10.506	7.89
ROM	512	16	8	2906.292	0.932	1.756	0.193	0	2.828	11.531	8.762
ROM	512	32	8	4513.458	0.947	1.756	0.193	0	4.975	13.582	10.508
ROM	512	64	8	7727.79	0.978	1.756	0.193	0	9.269	17.683	13.999
ROM	512	128	8	14156.454	1.054	1.822	0.193	0	17.721	25.884	20.98
ROM	1024	8	8	3031.144	1.016	1.978	0.193	0	2.083	14.32	9.316
ROM	1024	16	8	4189.543	1.023	1.989	0.193	0	3.38	15.345	10.188
ROM	1024	32	8	6506.341	1.039	2.012	0.193	0	5.974	17.396	11.934
ROM	1024	64	8	11139.937	1.07	2.058	0.193	0	11.162	21.497	15.424
ROM	1024	128	8	20407.129	1.157	2.172	0.193	0	21.703	29.698	22.406
ROM	2048	8	8	5135.148	1.051	1.985	0.193	0	2.259	24.249	14.222
ROM	2048	16	8	7097.625	1.059	1.996	0.193	0	3.622	25.684	15.313
ROM	2048	32	8	11022.579	1.075	2.019	0.193	0	6.349	28.554	17.495
ROM	2048	64	8	18872.487	1.107	2.065	0.193	0	11.803	34.293	21.858
ROM	4096	8	8	9354.555	1.121	1.998	0.193	0	2.61	44.106	24.034
ROM	4096	16	8	12929.544	1.129	2.009	0.193	0	4.107	46.361	25.562
ROM	4096	32	8	20079.522	1.147	2.032	0.193	0	7.1	50.87	28.617
ROM	64	8	16	1703.244	0.816	1.58	0.193	0	1.887	7.635	7.08
ROM	64	16	16	2645.13	0.83	1.58	0.193	0	3.151	9.364	8.481
ROM	64	32	16	4528.902	0.859	1.579	0.193	0	5.681	12.823	11.281
ROM	64	64	16	8296.446	0.941	1.58	0.193	0	10.095	19.741	16.881
ROM	128	8	16	1783.447	0.826	1.591	0.193	0	1.951	7.873	7.17
ROM	128	16	16	2769.685	0.841	1.591	0.193	0	3.276	9.603	8.57
ROM	128	32	16	4742.161	0.87	1.591	0.193	0	5.926	13.061	11.37
ROM	128	64	16	8687.113	0.952	1.595	0.193	0	10.608	19.979	16.97
ROM	256	8	16	1943.853	0.848	1.615	0.193	0	2.079	8.35	7.348
ROM	256	16	16	3018.795	0.862	1.615	0.193	0	3.525	10.079	8.748
ROM	256	32	16	5168.679	0.891	1.615	0.193	0	6.416	13.538	11.548
ROM	256	64	16	9468.447	0.973	1.627	0.193	0	11.633	20.456	17.148
ROM	512	8	16	2264.666	0.89	1.662	0.193	0	2.335	9.304	7.704
ROM	512	16	16	3517.016	0.905	1.662	0.193	0	4.022	11.033	9.104
ROM	512	32	16	6021.716	0.935	1.662	0.193	0	7.397	14.492	11.905
ROM	512	64	16	11031.116	1.014	1.689	0.193	0	13.684	21.409	17.505
ROM	1024	8	16	2906.292	0.976	1.756	0.193	0	2.847	11.21	8.417
ROM	1024	16	16	4513.458	0.991	1.755	0.193	0	5.018	12.94	9.817
ROM	1024	32	16	7727.79	1.021	1.755	0.193	0	9.358	16.399	12.617
ROM	1024	64	16	14156.454	1.098	1.815	0.193	0	17.787	23.316	18.218
ROM	2048	8	16	4189.543	1.067	1.979	0.193	0	3.423	15.024	9.843
ROM	2048	16	16	6506.341	1.082	2.002	0.193	0	6.069	16.754	11.243
ROM	2048	32	16	11139.937	1.113	2.048	0.193	0	11.362	20.212	14.043
ROM	2048	64	16	20407.129	1.2	2.164	0.193	0	21.914	27.13	19.643
ROM	4096	8	16	7097.625	1.104	1.986	0.193	0	3.662	25.363	14.967
ROM	4096	16	16	11022.579	1.12	2.009	0.193	0	6.439	27.912	16.804
ROM	4096	32	16	18872.487	1.152	2.054	0.193	0	11.993	33.009	20.477
ROM	8192	8	16	12929.544	1.178	2	0.193	0	4.142	46.04	25.216
ROM	8192	16	16	20079.522	1.195	2.022	0.193	0	7.179	50.227	27.926
ROM	8192	32	16	34379.478	1.229	2.067	0.193	0	13.255	58.603	33.345
ROM	128	8	32	2645.13	0.852	1.58	0.193	0	2.934	8.916	8.004
ROM	128	16	32	4528.902	0.879	1.579	0.193	0	5.2	11.927	10.329
ROM	128	32	32	8296.446	0.962	1.579	0.193	0	9.067	17.949	14.977
ROM	256	8	32	2769.685	0.862	1.591	0.193	0	3.056	9.155	8.094
ROM	256	16	32	4742.161	0.89	1.591	0.193	0	5.442	12.166	10.418
ROM	256	32	32	8687.113	0.972	1.595	0.193	0	9.572	18.187	15.066
ROM	512	8	32	3018.795	0.884	1.615	0.193	0	3.3	9.632	8.272
ROM	512	16	32	5168.679	0.912	1.615	0.193	0	5.928	12.642	10.596
ROM	512	32	32	9468.447	0.993	1.627	0.193	0	10.582	18.664	15.244
ROM	1024	8	32	3517.016	0.927	1.662	0.193	0	3.789	10.585	8.628
ROM	1024	16	32	6021.716	0.955	1.662	0.193	0	6.899	13.596	10.952
ROM	1024	32	32	11031.116	1.035	1.69	0.193	0	12.601	19.617	15.601
ROM	2048	8	32	4513.458	1.012	1.756	0.193	0	4.767	12.492	9.341
ROM	2048	16	32	7727.79	1.042	1.755	0.193	0	8.84	15.503	11.665
ROM	2048	32	32	14156.454	1.118	1.816	0.193	0	16.641	21.524	16.313
ROM	4096	8	32	6506.341	1.104	2.006	0.193	0	5.83	16.306	10.767
ROM	4096	16	32	11139.937	1.134	2.048	0.193	0	10.874	19.317	13.091
ROM	4096	32	32	20407.129	1.221	2.162	0.193	0	20.887	25.338	17.739
ROM	8192	8	32	11022.579	1.142	2.013	0.193	0	6.192	27.464	16.328
ROM	8192	16	32	18872.487	1.173	2.055	0.193	0	11.488	32.114	19.525
ROM	16384	8	32	20079.522	1.218	2.026	0.193	0	6.914	49.779	27.45
ROM	16384	16	32	34379.478	1.251	2.068	0.193	0	12.715	57.707	32.393
ROM	256	8	64	4528.902	0.918	1.579	0.193	0	5.012	11.462	9.837
ROM	256	16	64	8296.446	0.999	1.579	0.193	0	8.595	17.018	13.993
ROM	512	8	64	4742.161	0.929	1.591	0.193	0	5.251	11.7	9.926
ROM	512	16	64	8687.113	1.01	1.595	0.193	0	9.095	17.256	14.082
ROM	1024	8	64	5168.679	0.951	1.615	0.193	0	5.73	12.177	10.104
ROM	1024	16	64	9468.447	1.031	1.626	0.193	0	10.093	17.733	14.26
ROM	2048	8	64	6021.716	0.994	1.662	0.193	0	6.686	13.13	10.46
ROM	2048	16	64	11031.116	1.073	1.689	0.193	0	12.091	18.686	14.617
ROM	4096	8	64	7727.79	1.081	1.756	0.193	0	8.599	15.037	11.173
ROM	4096	16	64	14156.454	1.156	1.815	0.193	0	16.085	20.593	15.33
ROM	8192	8	64	11139.937	1.173	2.05	0.193	0	10.653	18.851	12.599
ROM	8192	16	64	20407.129	1.259	2.166	0.193	0	20.378	24.407	16.755
ROM	16384	8	64	18872.487	1.212	2.056	0.193	0	11.252	31.648	19.033
ROM	32768	8	64	34379.478	1.291	2.069	0.193	0	12.449	57.242	31.901

ff1p21v0c											
type	word	io	mux	drawing dimension area (um^2)	access_time (ns)	cycle_time (ns)	adr_setup (ns)	adr_hold (ns)	readc (uA/MHz)	leakage (uA)	leakage_pd (uA)
ROM	32	8	8	1232.301	0.505	1.039	0.123	0	1.375	0.951	0.927
ROM	32	16	8	1703.244	0.509	1.039	0.123	0	2.068	1.113	1.075
ROM	32	32	8	2645.13	0.519	1.038	0.123	0	3.452	1.438	1.369
ROM	32	64	8	4528.902	0.538	1.038	0.123	0	6.221	2.089	1.958
ROM	32	128	8	8296.446	0.591	1.038	0.123	0	11.259	3.389	3.136
ROM	64	8	8	1290.328	0.511	1.046	0.123	0	1.412	0.968	0.943
ROM	64	16	8	1783.447	0.516	1.046	0.123	0	2.137	1.131	1.09
ROM	64	32	8	2769.685	0.525	1.046	0.123	0	3.585	1.456	1.385
ROM	64	64	8	4742.161	0.545	1.046	0.123	0	6.483	2.106	1.974
ROM	64	128	8	8687.113	0.598	1.049	0.123	0	11.814	3.407	3.152
ROM	128	8	8	1406.382	0.523	1.061	0.123	0	1.486	1.003	0.974
ROM	128	16	8	1943.853	0.528	1.061	0.123	0	2.275	1.165	1.121
ROM	128	32	8	3018.795	0.538	1.061	0.123	0	3.852	1.49	1.415
ROM	128	64	8	5168.679	0.558	1.06	0.123	0	7.006	2.141	2.004
ROM	128	128	8	9468.447	0.611	1.069	0.123	0	12.923	3.441	3.182
ROM	256	8	8	1638.491	0.548	1.091	0.123	0	1.635	1.072	1.035
ROM	256	16	8	2264.666	0.553	1.091	0.123	0	2.551	1.235	1.182
ROM	256	32	8	3517.016	0.563	1.09	0.123	0	4.385	1.56	1.477
ROM	256	64	8	6021.716	0.584	1.09	0.123	0	8.052	2.21	2.066
ROM	256	128	8	11031.116	0.637	1.111	0.123	0	15.142	3.511	3.244
ROM	512	8	8	2102.709	0.597	1.15	0.123	0	1.931	1.212	1.158
ROM	512	16	8	2906.292	0.603	1.15	0.123	0	3.104	1.374	1.306
ROM	512	32	8	4513.458	0.614	1.15	0.123	0	5.451	1.699	1.6
ROM	512	64	8	7727.79	0.636	1.149	0.123	0	10.144	2.35	2.189
ROM	512	128	8	14156.454	0.69	1.194	0.123	0	19.579	3.65	3.367
ROM	1024	8	8	3031.144	0.644	1.282	0.123	0	2.25	1.49	1.405
ROM	1024	16	8	4189.543	0.65	1.29	0.123	0	3.626	1.653	1.552
ROM	1024	32	8	6506.341	0.661	1.306	0.123	0	6.379	1.978	1.847
ROM	1024	64	8	11139.937	0.685	1.338	0.123	0	11.886	2.628	2.436
ROM	1024	128	8	20407.129	0.744	1.414	0.123	0	23.173	3.929	3.614
ROM	2048	8	8	5135.148	0.666	1.286	0.123	0	2.445	2.331	2.148
ROM	2048	16	8	7097.625	0.672	1.294	0.123	0	3.894	2.533	2.308
ROM	2048	32	8	11022.579	0.685	1.31	0.123	0	6.793	2.935	2.627
ROM	2048	64	8	18872.487	0.709	1.342	0.123	0	12.59	3.741	3.265
ROM	4096	8	8	9354.555	0.712	1.295	0.123	0	2.836	4.013	3.635
ROM	4096	16	8	12929.544	0.718	1.303	0.123	0	4.431	4.293	3.819
ROM	4096	32	8	20079.522	0.731	1.319	0.123	0	7.62	4.851	4.188
ROM	64	8	16	1703.244	0.535	1.038	0.123	0	2.128	1.06	1.007
ROM	64	16	16	2645.13	0.544	1.038	0.123	0	3.56	1.332	1.234
ROM	64	32	16	4528.902	0.564	1.038	0.123	0	6.425	1.876	1.688
ROM	64	64	16	8296.446	0.617	1.038	0.123	0	11.476	2.963	2.597
ROM	128	8	16	1783.447	0.541	1.046	0.123	0	2.194	1.077	1.023
ROM	128	16	16	2769.685	0.551	1.046	0.123	0	3.689	1.349	1.25
ROM	128	32	16	4742.161	0.571	1.046	0.123	0	6.68	1.893	1.704
ROM	128	64	16	8687.113	0.624	1.048	0.123	0	12.018	2.981	2.612
ROM	256	8	16	1943.853	0.553	1.061	0.123	0	2.327	1.112	1.053
ROM	256	16	16	3018.795	0.563	1.061	0.123	0	3.947	1.384	1.281
ROM	256	32	16	5168.679	0.583	1.06	0.123	0	7.188	1.928	1.735
ROM	256	64	16	9468.447	0.637	1.069	0.123	0	13.1	3.016	2.643
ROM	512	8	16	2264.666	0.579	1.09	0.123	0	2.592	1.182	1.115
ROM	512	16	16	3517.016	0.589	1.09	0.123	0	4.463	1.454	1.342
ROM	512	32	16	6021.716	0.609	1.09	0.123	0	8.204	1.997	1.796
ROM	512	64	16	11031.116	0.663	1.109	0.123	0	15.266	3.085	2.705
ROM	1024	8	16	2906.292	0.629	1.15	0.123	0	3.123	1.321	1.238
ROM	1024	16	16	4513.458	0.64	1.15	0.123	0	5.494	1.593	1.465
ROM	1024	32	16	7727.79	0.661	1.149	0.123	0	10.237	2.137	1.919
ROM	1024	64	16	14156.454	0.715	1.19	0.123	0	19.597	3.224	2.828
ROM	2048	8	16	4189.543	0.674	1.284	0.123	0	3.679	1.599	1.485
ROM	2048	16	16	6506.341	0.685	1.3	0.123	0	6.499	1.871	1.712
ROM	2048	32	16	11139.937	0.707	1.332	0.123	0	12.139	2.415	2.166
ROM	2048	64	16	20407.129	0.769	1.408	0.123	0	23.502	3.503	3.074
ROM	4096	8	16	7097.625	0.698	1.289	0.123	0	3.945	2.479	2.24
ROM	4096	16	16	11022.579	0.709	1.305	0.123	0	6.908	2.829	2.492
ROM	4096	32	16	18872.487	0.732	1.336	0.123	0	12.835	3.528	2.996
ROM	8192	8	16	12929.544	0.746	1.298	0.123	0	4.476	4.239	3.752
ROM	8192	16	16	20079.522	0.759	1.313	0.123	0	7.726	4.744	4.053
ROM	8192	32	16	34379.478	0.783	1.344	0.123	0	14.226	5.754	4.655
ROM	128	8	32	2645.13	0.557	1.038	0.123	0	3.312	1.26	1.145
ROM	128	16	32	4528.902	0.576	1.038	0.123	0	5.878	1.732	1.51
ROM	128	32	32	8296.446	0.629	1.038	0.123	0	10.312	2.675	2.24
ROM	256	8	32	2769.685	0.563	1.046	0.123	0	3.438	1.277	1.16
ROM	256	16	32	4742.161	0.582	1.046	0.123	0	6.13	1.749	1.525
ROM	256	32	32	8687.113	0.635	1.048	0.123	0	10.843	2.693	2.255
ROM	512	8	32	3018.795	0.576	1.061	0.123	0	3.691	1.312	1.191
ROM	512	16	32	5168.679	0.595	1.06	0.123	0	6.634	1.784	1.556
ROM	512	32	32	9468.447	0.649	1.069	0.123	0	11.904	2.728	2.286
ROM	1024	8	32	3517.016	0.601	1.09	0.123	0	4.198	1.382	1.253
ROM	1024	16	32	6021.716	0.621	1.09	0.123	0	7.642	1.853	1.618
ROM	1024	32	32	11031.116	0.675	1.109	0.123	0	14.027	2.797	2.347
ROM	2048	8	32	4513.458	0.652	1.15	0.123	0	5.211	1.521	1.376
ROM	2048	16	32	7727.79	0.673	1.149	0.123	0	9.658	1.993	1.741
ROM	2048	32	32	14156.454	0.727	1.19	0.123	0	18.272	2.936	2.471
ROM	4096	8	32	6506.341	0.698	1.303	0.123	0	6.235	1.799	1.622
ROM	4096	16	32	11139.937	0.719	1.332	0.123	0	11.613	2.271	1.987
ROM	4096	32	32	20407.129	0.781	1.409	0.123	0	22.384	3.215	2.717
ROM	8192	8	32	11022.579	0.722	1.307	0.123	0	6.634	2.757	2.403
ROM	8192	16	32	18872.487	0.745	1.336	0.123	0	12.288	3.384	2.817
ROM	16384	8	32	20079.522	0.772	1.315	0.123	0	7.432	4.672	3.963
ROM	16384	16	32	34379.478	0.796	1.345	0.123	0	13.638	5.61	4.476
ROM	256	8	64	4528.902	0.598	1.038	0.123	0	5.677	1.655	1.416
ROM	256	16	64	8296.446	0.65	1.038	0.123	0	9.763	2.523	2.053
ROM	512	8	64	4742.161	0.605	1.046	0.123	0	5.924	1.673	1.432
ROM	512	16	64	8687.113	0.657	1.048	0.123	0	10.287	2.54	2.068
ROM	1024	8	64	5168.679	0.618	1.06	0.123	0	6.417	1.708	1.463
ROM	1024	16	64	9468.447	0.67	1.069	0.123	0	11.336	2.575	2.099
ROM	2048	8	64	6021.716	0.644	1.09	0.123	0	7.405	1.777	1.524
ROM	2048	16	64	11031.116	0.696	1.109	0.123	0	13.433	2.645	2.16
ROM	4096	8	64	7727.79	0.696	1.149	0.123	0	9.379	1.916	1.647
ROM	4096	16	64	14156.454	0.749	1.19	0.123	0	17.627	2.784	2.284
ROM	8192	8	64	11139.937	0.741	1.335	0.123	0	11.361	2.195	1.894
ROM	8192	16	64	20407.129	0.802	1.41	0.123	0	21.838	3.062	2.53
ROM	16384	8	64	18872.487	0.767	1.339	0.123	0	12.018	3.308	2.724
ROM	32768	8	64	34379.478	0.819	1.346	0.123	0	13.332	5.534	4.383