

tt1p1v25c																Total KBits		
type	word	io	mux	seg	drawing dimension area (um^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc (uA/MHz)	writec (uA/MHz)	leakage (uA)	Leakage_pd (uA)	Leakage_ffg (uA)	Total KBits
2prf	8	2	2	f	1243.241	0.480	0.922	0.978	0.314	0.000	0.222	0.000	0.612	0.496	0.205	0.201	22.887	0.02K
2prf	8	16	2	f	2428.935	0.508	0.923	0.978	0.314	0.000	0.222	0.000	1.484	1.208	0.290	0.268	34.483	0.12K
2prf	8	32	2	f	3784.013	0.540	0.923	0.978	0.314	0.000	0.222	0.000	2.481	2.023	0.388	0.344	47.736	0.25K
2prf	8	48	2	f	5139.091	0.572	0.923	0.979	0.314	0.000	0.222	0.000	3.550	2.804	0.486	0.420	60.988	0.38K
2prf	8	64	2	f	6494.170	0.605	0.924	0.984	0.314	0.000	0.222	0.000	4.702	3.560	0.584	0.497	74.240	0.50K
2prf	8	72	2	f	7171.709	0.621	0.924	0.996	0.314	0.000	0.222	0.000	5.295	3.935	0.632	0.535	80.866	0.56K
2prf	16	2	2	f	1370.565	0.486	0.924	0.984	0.314	0.000	0.222	0.000	0.611	0.502	0.214	0.204	23.746	0.03K
2prf	16	16	2	f	2677.689	0.515	0.924	0.984	0.314	0.000	0.222	0.000	1.450	1.239	0.312	0.283	36.091	0.25K
2prf	16	32	2	f	4171.545	0.547	0.925	0.984	0.314	0.000	0.222	0.000	2.409	2.082	0.424	0.374	50.199	0.50K
2prf	16	48	2	f	5665.401	0.579	0.925	0.985	0.314	0.000	0.222	0.000	3.430	2.889	0.537	0.465	64.307	0.75K
2prf	16	64	2	f	7159.257	0.611	0.926	0.992	0.314	0.000	0.222	0.000	4.530	3.672	0.649	0.556	78.416	1.00K
2prf	16	72	2	f	7906.185	0.628	0.926	0.997	0.314	0.000	0.222	0.000	5.098	4.060	0.705	0.601	85.470	1.12K
2prf	32	2	2	f	1502.469	0.506	0.930	1.002	0.314	0.000	0.222	0.000	0.614	0.516	0.232	0.209	25.464	0.06K
2prf	32	16	2	f	2935.391	0.534	0.930	1.003	0.314	0.000	0.222	0.000	1.418	1.298	0.356	0.314	39.306	0.50K
2prf	32	32	2	f	4573.017	0.566	0.930	1.003	0.314	0.000	0.222	0.000	2.337	2.191	0.497	0.434	55.127	1.00K
2prf	32	48	2	f	6210.643	0.598	0.931	1.003	0.314	0.000	0.222	0.000	3.304	3.056	0.638	0.554	70.947	1.50K
2prf	32	64	2	f	7848.268	0.631	0.931	1.012	0.314	0.000	0.222	0.000	4.430	3.897	0.779	0.673	86.767	2.00K
2prf	32	72	2	f	8667.081	0.648	0.931	1.019	0.314	0.000	0.222	0.000	4.855	4.312	0.850	0.733	94.677	2.25K
2prf	64	2	2	f	1895.662	0.510	0.938	1.002	0.314	0.000	0.222	0.000	0.623	0.542	0.274	0.224	29.530	0.12K
2prf	64	16	2	f	3703.577	0.539	0.938	1.002	0.314	0.000	0.222	0.000	1.396	1.402	0.461	0.381	48.339	1.00K
2prf	64	32	2	f	5769.766	0.571	0.938	1.003	0.314	0.000	0.222	0.000	2.280	2.384	0.674	0.561	69.835	2.00K
2prf	64	48	2	f	7835.955	0.603	0.939	1.003	0.314	0.000	0.222	0.000	3.203	3.338	0.888	0.741	91.330	3.00K
2prf	64	64	2	f	9902.144	0.636	0.939	1.013	0.314	0.000	0.222	0.000	4.176	4.262	1.101	0.920	112.826	4.00K
2prf	64	72	2	f	10935.238	0.652	0.939	1.020	0.314	0.000	0.222	0.000	4.673	4.718	1.208	1.010	123.574	4.50K
2prf	128	2	2	f	2682.048	0.520	0.953	1.002	0.314	0.000	0.222	0.000	0.641	0.594	0.357	0.262	37.664	0.25K
2prf	128	16	2	f	5239.949	0.548	0.954	1.002	0.314	0.000	0.222	0.000	1.352	1.609	0.670	0.515	66.404	2.00K
2prf	128	32	2	f	8163.264	0.580	0.954	1.002	0.314	0.000	0.222	0.000	2.165	2.770	1.028	0.815	99.251	4.00K
2prf	128	48	2	f	11086.579	0.613	0.955	1.004	0.314	0.000	0.222	0.000	3.002	3.902	1.387	1.115	132.098	6.00K
2prf	128	64	2	f	14009.894	0.646	0.955	1.014	0.314	0.000	0.222	0.000	3.658	4.993	1.745	1.415	164.944	8.00K
2prf	128	72	2	f	15471.352	0.662	0.955	1.021	0.314	0.000	0.222	0.000	4.308	5.523	1.924	1.565	181.367	9.00K
2prf	256	2	2	f	4254.820	0.538	0.987	1.006	0.314	0.000	0.222	0.000	0.682	0.672	0.523	0.309	53.930	0.50K
2prf	256	16	2	f	8312.692	0.566	0.987	1.020	0.314	0.000	0.222	0.000	1.457	1.970	1.090	0.782	102.535	4.00K
2prf	256	32	2	f	12950.260	0.598	0.987	1.036	0.314	0.000	0.222	0.000	2.343	3.455	1.737	1.322	158.084	8.00K
2prf	256	48	2	f	17587.828	0.630	0.988	1.050	0.314	0.000	0.222	0.000	3.224	4.909	2.385	1.863	213.632	12.00K
2prf	256	64	2	f	22225.396	0.663	0.988	1.068	0.314	0.000	0.222	0.000	4.165	6.330	3.032	2.403	269.181	16.00K
2prf	256	72	2	f	24544.180	0.680	0.988	1.072	0.314	0.000	0.222	0.000	4.630	7.033	3.356	2.674	296.955	18.00K
2prf	40	2	2	m	1568.421	0.515	0.931	1.011	0.314	0.000	0.222	0.000	0.620	0.527	0.241	0.212	26.323	0.08K
2prf	40	16	2	m	3064.243	0.544	0.932	1.012	0.314	0.000	0.222	0.000	1.406	1.336	0.378	0.330	40.914	0.62K
2prf	40	32	2	m	4773.753	0.576	0.932	1.012	0.314	0.000	0.222	0.000	2.304	2.260	0.533	0.464	57.590	1.25K
2prf	40	48	2	m	6483.263	0.608	0.933	1.012	0.314	0.000	0.222	0.000	3.247	3.156	0.689	0.598	74.266	1.88K
2prf	40	64	2	m	8192.774	0.641	0.933	1.022	0.314	0.000	0.222	0.000	4.238	4.022	0.844	0.732	90.942	2.50K
2prf	40	72	2	m	9047.529	0.657	0.933	1.030	0.314	0.000	0.222	0.000	4.743	4.449	0.922	0.799	99.280	2.81K
2prf	64	2	2	m	1766.277	0.544	0.936	1.038	0.314	0.000	0.222	0.000	0.637	0.562	0.269	0.221	28.899	0.12K
2prf	64	16	2	m	3450.796	0.572	0.937	1.038	0.314	0.000	0.222	0.000	1.369	1.451	0.443	0.376	45.737	1.00K
2prf	64	32	2	m	5375.961	0.605	0.937	1.039	0.314	0.000	0.222	0.000	2.205	2.466	0.642	0.554	64.981	2.00K
2prf	64	48	2	m	7301.126	0.637	0.938	1.039	0.314	0.000	0.222	0.000	3.073	3.453	0.841	0.731	84.225	3.00K
2prf	64	64	2	m	9226.291	0.670	0.938	1.052	0.314	0.000	0.222	0.000	3.961	4.397	1.040	0.909	103.469	4.00K
2prf	64	72	2	m	10188.873	0.686	0.938	1.062	0.314	0.000	0.222	0.000	4.407	4.859	1.139	0.997	113.091	4.50K
2prf	128	2	2	m	2423.278	0.552	0.953	1.038	0.314	0.000	0.222	0.000	0.655	0.601	0.347	0.246	36.401	0.25K
2prf	128	16	2	m	4734.387	0.580	0.954	1.044	0.314	0.000	0.222	0.000	1.405	1.629	0.635	0.505	61.201	2.00K
2prf	128	32	2	m	7375.654	0.613	0.954	1.052	0.314	0.000	0.222	0.000	2.263	2.804	0.964	0.800	89.544	4.00K
2prf	128	48	2	m	10016.921	0.645	0.955	1.061	0.314	0.000	0.222	0.000	3.140	3.950	1.293	1.096	117.887	6.00K
2prf	128	64	2	m	12858.188	0.678	0.955	1.079	0.314	0.000	0.222	0.000	4.029	5.057	1.623	1.391	146.230	8.00K
2prf	128	72	2	m	13978.822	0.694	0.955	1.090	0.314	0.000	0.222	0.000	4.476	5.601	1.787	1.539	160.402	9.00K
2prf	256	2	2	m	3737.280	0.568	0.987	1.037	0.314	0.000	0.222	0.000	0.692	0.679	0.504	0.298	51.404	0.50K
2prf	256	16	2	m	7301.568	0.596	0.987	1.056	0.314	0.000	0.222	0.000	1.479	1.986	1.020	0.762	92.128	4.00K
2prf	256	32	2	m	11375.040	0.628	0.987	1.078	0.314	0.000	0.222	0.000	2.379	3.478	1.609	1.294	138.670	8.00K
2prf	256</																	

type	word	io	mux	seg	drawing dimension area (um^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc (uA/MHz)	writc (uA/MHz)	leakage (uA)	Leakage_pd (uA)	Leakage_ffg (uA)	Total KBits
2prf	256	16	2	s	6796.006	0.673	0.987	1.221	0.314	0.000	0.222	0.000	1.555	2.057	0.985	0.753	86.925	4.00K
2prf	256	32	2	s	10587.430	0.701	0.987	1.248	0.314	0.000	0.222	0.000	2.515	3.609	1.545	1.279	128.963	8.00K
2prf	256	48	2	s	14378.854	0.729	0.987	1.275	0.314	0.000	0.222	0.000	3.477	5.131	2.105	1.806	171.001	12.00K
2prf	256	64	2	s	18170.278	0.758	0.987	1.303	0.314	0.000	0.222	0.000	4.450	6.615	2.666	2.333	213.039	16.00K
2prf	256	72	2	s	20065.990	0.773	0.987	1.317	0.314	0.000	0.222	0.000	4.940	7.349	2.946	2.596	234.058	18.00K
2prf	512	2	2	s	5847.744	0.714	1.052	1.311	0.314	0.000	0.222	0.000	0.806	0.851	0.798	0.389	78.886	1.00K
2prf	512	16	2	s	11424.806	0.730	1.052	1.334	0.314	0.000	0.222	0.000	1.867	2.734	1.719	1.258	143.576	8.00K
2prf	512	32	2	s	17798.592	0.748	1.052	1.361	0.314	0.000	0.222	0.000	3.080	4.885	2.770	2.252	217.508	16.00K
2prf	512	48	2	s	24172.378	0.766	1.052	1.388	0.314	0.000	0.222	0.000	4.275	7.008	3.822	3.246	291.440	24.00K
2prf	512	64	2	s	30546.163	0.788	1.052	1.416	0.314	0.000	0.222	0.000	5.465	9.100	4.874	4.238	365.371	32.00K
2prf	512	72	2	s	33733.056	0.801	1.053	1.430	0.314	0.000	0.222	0.000	6.050	10.139	5.400	4.736	402.337	36.00K
2prf	1024	2	2	s	10586.122	0.872	1.191	1.325	0.314	0.000	0.222	0.000	0.989	1.172	1.406	0.582	136.376	2.00K
2prf	1024	16	2	s	20882.407	0.888	1.211	1.348	0.314	0.000	0.222	0.000	2.498	4.189	3.186	2.269	256.879	16.00K
2prf	1024	32	2	s	32220.916	0.907	1.235	1.374	0.314	0.000	0.222	0.000	4.222	7.637	5.221	4.197	394.598	32.00K
2prf	1024	48	2	s	43769.426	0.926	1.258	1.401	0.314	0.000	0.222	0.000	5.388	11.044	7.256	6.126	523.316	48.00K
2prf	1024	64	2	s	55297.934	0.943	1.283	1.430	0.314	0.000	0.222	0.000	7.473	14.418	9.291	8.053	670.034	64.00K
2prf	1024	72	2	s	61087.168	0.953	1.296	1.444	0.314	0.000	0.222	0.000	8.250	16.099	10.308	9.017	738.894	72.00K
2prf	16	2	4	f	1412.626	0.501	0.922	0.978	0.314	0.000	0.222	0.000	0.709	0.596	0.214	0.207	24.073	0.03K
2prf	16	8	4	f	2428.935	0.522	0.923	0.978	0.314	0.000	0.222	0.000	1.370	1.186	0.279	0.256	32.601	0.12K
2prf	16	16	4	f	3784.013	0.549	0.978	0.978	0.314	0.000	0.222	0.000	2.252	1.973	0.366	0.320	43.971	0.25K
2prf	16	24	4	f	5139.091	0.577	0.923	0.978	0.314	0.000	0.222	0.000	3.198	2.720	0.452	0.385	55.341	0.38K
2prf	16	32	4	f	6494.170	0.606	0.978	0.978	0.314	0.000	0.222	0.000	4.211	3.428	0.539	0.449	66.711	0.50K
2prf	16	36	4	f	7171.709	0.620	0.924	0.992	0.314	0.000	0.222	0.000	4.731	3.775	0.582	0.481	72.396	0.56K
2prf	32	2	4	f	1557.297	0.508	0.984	0.984	0.314	0.000	0.222	0.000	0.703	0.603	0.225	0.212	25.039	0.06K
2prf	32	8	4	f	2677.689	0.529	0.984	0.984	0.314	0.000	0.222	0.000	1.334	1.204	0.301	0.271	34.209	0.25K
2prf	32	16	4	f	4171.545	0.556	0.984	0.984	0.314	0.000	0.222	0.000	2.177	2.006	0.402	0.350	46.434	0.50K
2prf	32	24	4	f	5665.401	0.584	0.984	0.984	0.314	0.000	0.222	0.000	3.076	2.769	0.503	0.429	58.660	0.75K
2prf	32	32	4	f	7159.257	0.613	0.984	0.989	0.314	0.000	0.222	0.000	4.035	3.492	0.604	0.508	70.886	1.00K
2prf	32	36	4	f	7906.185	0.627	0.925	0.993	0.314	0.000	0.222	0.000	4.528	3.846	0.654	0.547	76.999	1.12K
2prf	64	2	4	f	1707.172	0.528	0.930	1.002	0.314	0.000	0.222	0.000	0.702	0.618	0.247	0.221	26.971	0.12K
2prf	64	8	4	f	2935.391	0.548	0.930	1.002	0.314	0.000	0.222	0.000	1.302	1.241	0.345	0.302	37.424	0.50K
2prf	64	16	4	f	4573.017	0.576	0.930	1.002	0.314	0.000	0.222	0.000	2.102	2.073	0.475	0.410	51.362	1.00K
2prf	64	24	4	f	6210.643	0.604	0.930	1.003	0.314	0.000	0.222	0.000	2.953	2.869	0.604	0.518	65.300	1.50K
2prf	64	32	4	f	7848.268	0.633	0.931	1.009	0.314	0.000	0.222	0.000	3.848	3.624	0.734	0.625	79.237	2.00K
2prf	64	36	4	f	8667.081	0.647	0.931	1.015	0.314	0.000	0.222	0.000	4.304	3.992	0.799	0.679	86.206	2.25K
2prf	128	2	4	f	2153.936	0.532	0.938	1.002	0.314	0.000	0.222	0.000	0.706	0.646	0.298	0.243	31.747	0.25K
2prf	128	8	4	f	3703.577	0.553	0.938	1.002	0.314	0.000	0.222	0.000	1.279	1.309	0.449	0.369	46.457	1.00K
2prf	128	16	4	f	5769.766	0.581	0.938	1.002	0.314	0.000	0.222	0.000	2.042	2.192	0.652	0.537	66.070	2.00K
2prf	128	24	4	f	7835.955	0.609	0.938	1.003	0.314	0.000	0.222	0.000	2.848	3.038	0.854	0.705	85.683	3.00K
2prf	128	32	4	f	9902.144	0.637	0.939	1.010	0.314	0.000	0.222	0.000	3.692	3.842	1.056	0.873	105.297	4.00K
2prf	128	36	4	f	10935.238	0.652	0.939	1.016	0.314	0.000	0.222	0.000	4.120	4.236	1.157	0.957	115.103	4.50K
2prf	256	2	4	f	3047.462	0.542	0.953	1.002	0.314	0.000	0.222	0.000	0.715	0.702	0.399	0.287	41.299	0.50K
2prf	256	8	4	f	5239.949	0.562	0.954	1.002	0.314	0.000	0.222	0.000	1.233	1.443	0.659	0.503	64.522	2.00K
2prf	256	16	4	f	8163.264	0.590	0.954	1.002	0.314	0.000	0.222	0.000	1.924	2.431	1.006	0.791	95.486	4.00K
2prf	256	24	4	f	11086.579	0.618	0.954	1.002	0.314	0.000	0.222	0.000	2.639	3.375	1.353	1.079	126.451	6.00K
2prf	256	32	4	f	14009.894	0.647	0.955	1.011	0.314	0.000	0.222	0.000	3.379	4.278	1.700	1.367	157.415	8.00K
2prf	256	36	4	f	15471.552	0.661	0.955	1.018	0.314	0.000	0.222	0.000	3.753	4.722	1.873	1.511	172.897	9.00K
2prf	512	2	4	f	4834.516	0.560	0.987	1.009	0.314	0.000	0.222	0.000	0.768	0.786	0.601	0.373	60.403	1.00K
2prf	512	8	4	f	8312.692	0.580	0.987	1.019	0.314	0.000	0.222	0.000	1.344	1.665	1.078	0.770	100.653	4.00K
2prf	512	16	4	f	12950.260	0.608	0.987	1.034	0.314	0.000	0.222	0.000	2.112	2.837	1.715	1.298	154.319	8.00K
2prf	512	24	4	f	17587.828	0.636	0.987	1.048	0.314	0.000	0.222	0.000	2.885	3.969	2.351	1.827	207.985	12.00K
2prf	512	32	4	f	22225.396	0.664	0.987	1.062	0.314	0.000	0.222	0.000	3.669	5.059	2.987	2.356	261.651	16.00K
2prf	512	36	4	f	24544.180	0.678	0.988	1.068	0.314	0.000	0.222	0.000	4.064	5.594	3.306	2.620	288.484	18.00K
2prf	80	2	4	m	1782.110	0.537	0.931	1.011	0.314	0.000	0.222	0.000	0.706	0.630	0.258	0.226	27.936	0.18K
2prf	80	8	4	m	3064.243	0.558	0.932	1.011	0.314	0.000	0.222	0.000	1.290	1.264	0.366	0.318	39.032	0.62K
2prf	80	16	4	m	4773.753	0.586	0.932	1.011	0.314	0.000	0.222	0.000	2.068	2.111	0.511	0.440	53.826	1.25K
2prf	80	24	4	m	6483.263	0.614	0.932	1.012	0.314	0.000	0.222	0.000	2.891	2.918	0.655	0.562	68.619	1.88K
2prf	80	32	4	m	8192.774	0.642	0.932	1.020	0.314	0.000	0.222	0.000	3.754	3.685				

type	word	io	mux	seg	drawing dimension area (μm ²)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc (uA/MHz)	writec (uA/MHz)	leakage (uA)	Leakage_pd (uA)	Leakage_ffg (uA)	Total KBits
2prf	1024	24	4	m	26311.694	0.694	1.052	1.131	0.314	0.000	0.222	0.000	3.658	5.167	3.975	3.248	314.213	24.00K
2prf	1024	32	4	m	33249.575	0.723	1.052	1.147	0.314	0.000	0.222	0.000	4.649	6.630	5.074	4.239	395.269	32.00K
2prf	1024	36	4	m	36718.516	0.738	1.053	1.155	0.314	0.000	0.222	0.000	5.143	7.354	5.623	4.734	435.797	36.00K
2prf	144	2	4	s	2081.860	0.575	0.939	1.051	0.314	0.000	0.222	0.000	0.721	0.674	0.302	0.245	31.800	0.28K
2prf	144	8	4	s	3579.647	0.596	0.939	1.054	0.314	0.000	0.222	0.000	1.257	1.359	0.454	0.380	45.463	1.12K
2prf	144	16	4	s	5576.697	0.623	0.939	1.058	0.314	0.000	0.222	0.000	1.972	2.272	0.656	0.560	63.680	2.25K
2prf	144	24	4	s	7573.747	0.652	0.939	1.061	0.314	0.000	0.222	0.000	2.705	3.137	0.858	0.740	81.898	3.38K
2prf	144	32	4	s	9570.796	0.680	0.940	1.075	0.314	0.000	0.222	0.000	3.468	3.961	1.060	0.920	100.115	4.50K
2prf	144	36	4	s	10569.321	0.695	0.940	1.086	0.314	0.000	0.222	0.000	3.857	4.366	1.161	1.010	109.224	5.06K
2prf	256	2	4	s	2606.423	0.639	0.953	1.145	0.314	0.000	0.222	0.000	0.747	0.729	0.379	0.277	38.560	0.50K
2prf	256	8	4	s	4481.606	0.659	0.954	1.165	0.314	0.000	0.222	0.000	1.281	1.501	0.607	0.488	56.717	2.00K
2prf	256	16	4	s	6981.849	0.687	0.954	1.192	0.314	0.000	0.222	0.000	1.993	2.530	0.910	0.769	80.926	4.00K
2prf	256	24	4	s	9482.092	0.715	0.954	1.219	0.314	0.000	0.222	0.000	2.713	3.515	1.213	1.050	105.135	6.00K
2prf	256	32	4	s	11982.335	0.744	0.954	1.247	0.314	0.000	0.222	0.000	3.447	4.458	1.517	1.332	129.344	8.00K
2prf	256	36	4	s	13232.457	0.758	0.955	1.261	0.314	0.000	0.222	0.000	3.818	4.920	1.668	1.472	141.449	9.00K
2prf	512	2	4	s	3952.438	0.668	0.986	1.202	0.314	0.000	0.222	0.000	0.809	0.812	0.562	0.355	54.926	1.00K
2prf	512	8	4	s	6796.006	0.687	0.986	1.222	0.314	0.000	0.222	0.000	1.438	1.714	0.974	0.741	85.043	4.00K
2prf	512	16	4	s	10587.430	0.711	0.987	1.248	0.314	0.000	0.222	0.000	2.276	2.918	1.523	1.256	125.199	8.00K
2prf	512	24	4	s	14378.854	0.736	0.987	1.276	0.314	0.000	0.222	0.000	3.116	4.079	2.072	1.770	165.354	12.00K
2prf	512	32	4	s	18170.278	0.761	0.987	1.304	0.314	0.000	0.222	0.000	3.960	5.198	2.621	2.285	205.510	16.00K
2prf	512	36	4	s	20665.990	0.774	0.987	1.318	0.314	0.000	0.222	0.000	4.383	5.749	2.895	2.542	225.588	18.00K
2prf	1024	2	4	s	6644.467	0.728	1.052	1.315	0.314	0.000	0.222	0.000	0.933	0.977	0.927	0.510	87.857	2.00K
2prf	1024	8	4	s	11424.806	0.741	1.052	1.335	0.314	0.000	0.222	0.000	1.751	2.142	1.707	1.246	141.694	8.00K
2prf	1024	16	4	s	17798.592	0.759	1.052	1.361	0.314	0.000	0.222	0.000	2.842	3.695	2.748	2.228	213.743	16.00K
2prf	1024	24	4	s	24172.378	0.777	1.052	1.389	0.314	0.000	0.222	0.000	3.921	5.208	3.789	3.210	285.793	24.00K
2prf	1024	32	4	s	30546.163	0.795	1.052	1.417	0.314	0.000	0.222	0.000	4.985	6.679	4.829	4.192	357.842	32.00K
2prf	1024	36	4	s	33733.056	0.804	1.052	1.431	0.314	0.000	0.222	0.000	5.513	7.407	5.350	4.683	393.866	36.00K
2prf	2048	2	4	s	12028.526	0.888	1.200	1.330	0.314	0.000	0.222	0.000	1.171	1.319	1.657	1.320	153.120	4.00K
2prf	2048	8	4	s	20682.407	0.902	1.210	1.349	0.314	0.000	0.222	0.000	2.334	3.030	3.175	2.257	254.997	16.00K
2prf	2048	16	4	s	32220.916	0.920	1.223	1.374	0.314	0.000	0.222	0.000	3.884	5.311	5.199	4.173	390.833	32.00K
2prf	2048	24	4	s	43759.425	0.938	1.242	1.401	0.314	0.000	0.222	0.000	5.427	7.551	7.222	6.099	526.669	48.00K
2prf	2048	32	4	s	55297.934	0.957	1.260	1.429	0.314	0.000	0.222	0.000	6.920	9.758	9.246	8.005	662.505	64.00K
2prf	2048	36	4	s	61067.168	0.967	1.269	1.443	0.314	0.000	0.222	0.000	7.652	10.856	10.258	8.963	730.423	72.00K
2prf	32	2	8	f	1751.395	0.537	0.923	0.978	0.314	0.000	0.222	0.000	0.933	0.834	0.233	0.220	26.437	0.06K
2prf	32	4	8	f	2428.935	0.550	0.923	0.978	0.314	0.000	0.222	0.000	1.355	1.224	0.273	0.250	31.642	0.12K
2prf	32	8	8	f	3784.013	0.574	0.923	0.978	0.314	0.000	0.222	0.000	2.200	2.005	0.354	0.308	42.054	0.25K
2prf	32	12	8	f	5139.091	0.600	0.923	0.979	0.314	0.000	0.222	0.000	3.111	2.752	0.435	0.366	52.466	0.38K
2prf	32	16	8	f	6494.170	0.627	0.923	0.986	0.314	0.000	0.222	0.000	4.102	3.455	0.516	0.425	62.877	0.50K
2prf	32	18	8	f	7171.709	0.641	0.923	0.991	0.314	0.000	0.222	0.000	4.607	3.801	0.556	0.454	68.083	0.56K
2prf	64	2	8	f	1930.761	0.544	0.925	0.984	0.314	0.000	0.222	0.000	0.920	0.842	0.248	0.229	27.616	0.12K
2prf	64	4	8	f	2677.689	0.556	0.925	0.984	0.314	0.000	0.222	0.000	1.323	1.237	0.295	0.265	33.250	0.25K
2prf	64	8	8	f	4171.545	0.581	0.925	0.985	0.314	0.000	0.222	0.000	2.130	2.029	0.390	0.338	44.518	0.50K
2prf	64	12	8	f	5665.401	0.608	0.925	0.985	0.314	0.000	0.222	0.000	2.996	2.785	0.486	0.411	55.785	0.75K
2prf	64	16	8	f	7159.257	0.634	0.926	0.989	0.314	0.000	0.222	0.000	3.929	3.498	0.581	0.483	67.053	1.00K
2prf	64	18	8	f	7906.185	0.647	0.926	0.991	0.314	0.000	0.222	0.000	4.404	3.850	0.629	0.520	72.687	1.12K
2prf	128	2	8	f	2116.579	0.565	0.931	1.002	0.314	0.000	0.222	0.000	0.911	0.858	0.277	0.245	29.976	0.25K
2prf	128	4	8	f	2935.391	0.577	0.930	1.003	0.314	0.000	0.222	0.000	1.294	1.263	0.339	0.296	36.466	0.50K
2prf	128	8	8	f	4573.017	0.601	0.930	1.003	0.314	0.000	0.222	0.000	2.058	2.074	0.463	0.398	49.445	1.00K
2prf	128	12	8	f	6210.643	0.627	0.930	1.003	0.314	0.000	0.222	0.000	2.871	2.848	0.587	0.499	62.425	1.50K
2prf	128	16	8	f	7848.268	0.654	0.930	1.010	0.314	0.000	0.222	0.000	3.746	3.579	0.712	0.601	75.404	2.00K
2prf	128	18	8	f	8667.081	0.668	0.931	1.014	0.314	0.000	0.222	0.000	4.190	3.940	0.774	0.652	81.894	2.25K
2prf	256	2	8	f	2670.483	0.569	0.939	1.002	0.314	0.000	0.222	0.000	0.908	0.890	0.345	0.282	36.171	0.50K
2prf	256	4	8	f	3703.577	0.582	0.938	1.002	0.314	0.000	0.222	0.000	1.272	1.312	0.444	0.363	45.498	1.00K
2prf	256	8	8	f	5769.766	0.606	0.938	1.003	0.314	0.000	0.222	0.000	2.000	2.157	0.640	0.525	64.153	2.00K
2prf	256	12	8	f	7835.955	0.632	0.938	1.003	0.314	0.000	0.222	0.000	2.770	2.963	0.837	0.686	82.808	3.00K
2prf	256	16	8	f	9902.144	0.659	0.938	1.010	0.314	0.000	0.222	0.000	3.590	3.723	1.033	0.848	101.463	4.00K
2prf	256	18	8	f	10935.523	0.673	0.939	1.015	0.314	0.000	0.222	0.000	4.005	4.097	1.132	0.928	110.791	4.50K
2prf	512	2	8	f	3778.291	0.579	0.955	1.002	0.314	0.000	0.222	0.000</						

type	word	io	mux	seg	drawing dimension area (um^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc (uA/MHz)	writec (uA/MHz)	leakage (uA)	Leakage_pd (uA)	Leakage_ffg (uA)	Total KBits
2prf	256	18	8	m	10188.873	0.706	0.937	1.061	0.314	0.000	0.222	0.000	3.746	4.108	1.063	0.916	100.308	4.50K
2prf	512	2	8	m	3413.753	0.611	0.953	1.039	0.314	0.000	0.222	0.000	0.934	0.961	0.462	0.348	45.609	1.00K
2prf	512	4	8	m	4734.387	0.623	0.954	1.043	0.314	0.000	0.222	0.000	1.286	1.417	0.618	0.487	58.360	2.00K
2prf	512	8	8	m	7375.654	0.648	0.954	1.052	0.314	0.000	0.222	0.000	1.989	2.330	0.931	0.764	83.863	4.00K
2prf	512	12	8	m	10016.921	0.674	0.954	1.061	0.314	0.000	0.222	0.000	2.707	3.196	1.243	1.042	109.365	6.00K
2prf	512	16	8	m	12658.188	0.700	0.954	1.079	0.314	0.000	0.222	0.000	3.446	4.009	1.555	1.319	134.868	8.00K
2prf	512	18	8	m	13978.822	0.714	0.954	1.090	0.314	0.000	0.222	0.000	3.819	4.409	1.711	1.458	147.619	9.00K
2prf	1024	2	8	m	5264.832	0.628	0.987	1.041	0.314	0.000	0.222	0.000	0.987	1.058	0.717	0.488	67.437	2.00K
2prf	1024	4	8	m	7301.568	0.640	0.987	1.054	0.314	0.000	0.222	0.000	1.361	1.575	1.003	0.744	89.288	4.00K
2prf	1024	8	8	m	11375.040	0.664	0.987	1.079	0.314	0.000	0.222	0.000	2.109	2.609	1.575	1.258	132.989	8.00K
2prf	1024	12	8	m	15448.512	0.690	0.988	1.106	0.314	0.000	0.222	0.000	2.855	3.601	2.148	1.771	176.690	12.00K
2prf	1024	16	8	m	19521.984	0.717	0.988	1.134	0.314	0.000	0.222	0.000	3.595	4.544	2.720	2.284	220.391	16.00K
2prf	1024	18	8	m	21558.720	0.730	0.988	1.148	0.314	0.000	0.222	0.000	3.963	5.010	3.006	2.541	242.241	18.00K
2prf	2048	2	8	m	8966.990	0.656	1.051	1.101	0.314	0.000	0.222	0.000	1.161	1.247	1.225	0.767	111.093	4.00K
2prf	2048	4	8	m	12435.930	0.668	1.051	1.106	0.314	0.000	0.222	0.000	1.651	1.878	1.772	1.260	151.142	8.00K
2prf	2048	8	8	m	19373.812	0.692	1.052	1.118	0.314	0.000	0.222	0.000	2.630	3.139	2.865	2.244	231.240	16.00K
2prf	2048	12	8	m	2631.1694	0.718	1.052	1.131	0.314	0.000	0.222	0.000	3.600	4.362	3.958	3.229	311.338	24.00K
2prf	2048	16	8	m	33249.975	0.745	1.052	1.147	0.314	0.000	0.222	0.000	4.566	5.536	5.051	4.214	391.436	32.00K
2prf	2048	18	8	m	36718.516	0.758	1.052	1.156	0.314	0.000	0.222	0.000	5.049	6.117	5.597	4.707	431.485	36.00K
2prf	288	2	8	s	2581.123	0.612	0.939	1.052	0.314	0.000	0.222	0.000	0.911	0.921	0.350	0.287	35.875	0.56K
2prf	288	4	8	s	3579.647	0.625	0.939	1.054	0.314	0.000	0.222	0.000	1.252	1.352	0.448	0.374	44.505	1.12K
2prf	288	8	8	s	5576.697	0.649	0.940	1.058	0.314	0.000	0.222	0.000	1.934	2.214	0.645	0.548	61.764	2.25K
2prf	288	12	8	s	7573.747	0.675	0.940	1.061	0.314	0.000	0.222	0.000	2.636	3.028	0.841	0.721	79.023	3.38K
2prf	288	16	8	s	9570.796	0.701	0.939	1.076	0.314	0.000	0.222	0.000	3.371	3.787	1.038	0.895	96.282	4.50K
2prf	288	18	8	s	10569.321	0.715	0.939	1.086	0.314	0.000	0.222	0.000	3.742	4.160	1.136	0.982	104.912	5.06K
2prf	512	2	8	s	3231.484	0.676	0.954	1.154	0.314	0.000	0.222	0.000	0.936	0.981	0.452	0.345	44.133	1.00K
2prf	512	4	8	s	4481.606	0.698	0.954	1.167	0.314	0.000	0.222	0.000	1.277	1.448	0.601	0.482	55.759	2.00K
2prf	512	8	8	s	6981.849	0.713	0.954	1.192	0.314	0.000	0.222	0.000	1.961	2.381	0.899	0.757	79.010	4.00K
2prf	512	12	8	s	9482.092	0.739	0.954	1.219	0.314	0.000	0.222	0.000	2.652	3.277	1.196	1.032	102.260	6.00K
2prf	512	16	8	s	11982.335	0.766	0.954	1.247	0.314	0.000	0.222	0.000	3.360	4.108	1.494	1.307	125.511	8.00K
2prf	512	18	8	s	13232.457	0.779	0.954	1.262	0.314	0.000	0.222	0.000	3.716	4.520	1.643	1.445	137.136	9.00K
2prf	1024	2	8	s	4900.294	0.702	0.956	1.211	0.314	0.000	0.222	0.000	1.030	1.073	0.696	0.480	64.486	2.00K
2prf	1024	4	8	s	6796.006	0.713	0.956	1.224	0.314	0.000	0.222	0.000	1.435	1.597	0.965	0.735	84.085	4.00K
2prf	1024	8	8	s	10587.430	0.735	0.987	1.249	0.314	0.000	0.222	0.000	2.244	2.642	1.511	1.243	123.282	8.00K
2prf	1024	12	8	s	14378.854	0.759	0.987	1.276	0.314	0.000	0.222	0.000	3.055	3.644	2.055	1.752	162.479	12.00K
2prf	1024	16	8	s	18170.278	0.783	0.987	1.304	0.314	0.000	0.222	0.000	3.874	4.595	2.598	2.261	201.677	16.00K
2prf	1024	18	8	s	20665.990	0.795	0.987	1.318	0.314	0.000	0.222	0.000	4.285	5.064	2.870	2.515	221.275	18.00K
2prf	2048	2	8	s	8237.914	0.754	1.051	1.326	0.314	0.000	0.222	0.000	1.218	1.626	1.184	0.752	105.190	4.00K
2prf	2048	4	8	s	11424.806	0.763	1.051	1.338	0.314	0.000	0.222	0.000	1.749	1.895	1.702	1.240	140.736	8.00K
2prf	2048	8	8	s	17798.592	0.780	1.052	1.362	0.314	0.000	0.222	0.000	2.812	3.162	2.737	2.216	211.827	16.00K
2prf	2048	12	8	s	24172.378	0.798	1.052	1.389	0.314	0.000	0.222	0.000	3.862	4.390	3.772	3.192	282.918	24.00K
2prf	2048	16	8	s	30546.163	0.816	1.052	1.417	0.314	0.000	0.222	0.000	4.904	5.569	4.806	4.167	354.008	32.00K
2prf	2048	18	8	s	33733.056	0.826	1.052	1.431	0.314	0.000	0.222	0.000	5.424	6.151	5.324	4.655	389.554	36.00K
2prf	4096	2	8	s	14913.153	0.916	1.172	1.339	0.314	0.000	0.222	0.000	1.558	1.647	2.160	1.296	186.600	8.00K
2prf	4096	4	8	s	20682.407	0.925	1.177	1.351	0.314	0.000	0.222	0.000	2.308	2.505	3.169	2.251	254.039	16.00K
2prf	4096	8	8	s	32220.916	0.943	1.196	1.375	0.314	0.000	0.222	0.000	3.807	4.222	5.187	4.161	388.916	32.00K
2prf	4096	12	8	s	43759.425	0.961	1.218	1.402	0.314	0.000	0.222	0.000	5.295	5.895	7.205	6.071	523.794	48.00K
2prf	4096	16	8	s	55297.934	0.980	1.239	1.430	0.314	0.000	0.222	0.000	6.763	7.517	9.223	7.981	658.672	64.00K
2prf	4096	18	8	s	61067.188	0.990	1.249	1.443	0.314	0.000	0.222	0.000	7.494	8.322	10.232	8.935	726.111	72.00K
2prf	64	2	16	f	2428.935	0.611	0.925	0.977	0.314	0.000	0.222	0.000	1.346	1.224	0.270	0.246	31.117	0.12K
2prf	64	4	16	f	3784.013	0.629	0.925	0.978	0.314	0.000	0.222	0.000	2.091	1.981	0.348	0.301	41.003	0.25K
2prf	64	6	16	f	5139.091	0.655	0.925	0.978	0.314	0.000	0.222	0.000	2.962	2.702	0.425	0.356	50.888	0.38K
2prf	64	8	16	f	6494.170	0.681	0.925	0.983	0.314	0.000	0.222	0.000	3.919	3.375	0.503	0.410	60.774	0.50K
2prf	64	9	16	f	7171.709	0.694	0.925	0.985	0.314	0.000	0.222	0.000	4.397	3.712	0.542	0.438	65.717	0.56K
2prf	128	2	16	f	2677.689	0.618	0.927	0.983	0.314	0.000	0.222	0.000	1.313	1.235	0.292	0.262	32.724	0.25K
2prf	128	4	16	f	4171.545	0.636	0.927	0.984	0.314	0.000	0.222	0.000	2.027	1.998	0.384	0.331	43.466	0.50K
2prf	128	6	16	f	5665.401	0.662	0.927	0.984	0.314	0.000	0.222	0.000	2.851	2.726	0.476	0.400	54.208	0.75K
2prf	128	8	16	f	7159.257	0.688	0.927	0.985	0.314</									

type	word	io	mux	seg	drawing dimension area (μm^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc ($\mu\text{A}/\text{MHz}$)	writec ($\mu\text{A}/\text{MHz}$)	leakage (μA)	Leakage_pd (μA)	Leakage_ffg (μA)	Total KBits	
Zprf	320	4	16	m	4773.753	0.666	0.934	1.011	0.314	0.000	0.222	0.000	1.925	2.054	0.493	0.421	50.857	1.25K	
Zprf	320	6	16	m	6483.263	0.691	0.934	1.012	0.314	0.000	0.222	0.000	2.671	2.799	0.628	0.533	64.167	1.88K	
Zprf	320	8	16	m	8192.774	0.717	0.934	1.018	0.314	0.000	0.222	0.000	3.463	3.492	0.764	0.646	77.477	2.50K	
Zprf	320	9	16	m	9047.529	0.730	0.934	1.021	0.314	0.000	0.222	0.000	3.858	3.839	0.831	0.702	84.131	2.81K	
Zprf	512	2	16	m	3450.796	0.676	0.940	1.037	0.314	0.000	0.222	0.000	1.243	1.321	0.423	0.355	42.371	1.00K	
Zprf	512	4	16	m	5375.961	0.694	0.939	1.038	0.314	0.000	0.222	0.000	1.827	2.121	0.602	0.510	58.248	2.00K	
Zprf	512	6	16	m	7301.126	0.720	0.939	1.038	0.314	0.000	0.222	0.000	2.493	2.878	0.780	0.666	74.126	3.00K	
Zprf	512	8	16	m	9226.291	0.746	0.939	1.054	0.314	0.000	0.222	0.000	3.181	3.573	0.959	0.822	90.003	4.00K	
Zprf	512	9	16	m	10188.873	0.759	0.939	1.061	0.314	0.000	0.222	0.000	3.525	3.921	1.048	0.900	97.942	4.50K	
Zprf	1024	2	16	m	4734.387	0.684	0.956	1.044	0.314	0.000	0.222	0.000	1.276	1.382	0.615	0.483	57.835	2.00K	
Zprf	1024	4	16	m	7375.654	0.702	0.956	1.052	0.314	0.000	0.222	0.000	1.889	2.227	0.924	0.757	82.811	4.00K	
Zprf	1024	6	16	m	10016.921	0.728	0.956	1.061	0.314	0.000	0.222	0.000	2.576	3.032	1.233	1.031	107.788	6.00K	
Zprf	1024	8	16	m	12658.188	0.754	0.956	1.080	0.314	0.000	0.222	0.000	3.269	3.775	1.542	1.305	132.765	8.00K	
Zprf	1024	9	16	m	13978.822	0.767	0.956	1.090	0.314	0.000	0.222	0.000	3.616	4.147	1.696	1.442	145.253	9.00K	
Zprf	2048	2	16	m	7301.568	0.701	0.988	1.059	0.314	0.000	0.222	0.000	1.342	1.505	1.000	0.741	88.762	4.00K	
Zprf	2048	4	16	m	11375.040	0.719	0.989	1.079	0.314	0.000	0.222	0.000	2.012	2.440	1.569	1.251	131.937	8.00K	
Zprf	2048	6	16	m	15448.512	0.744	0.989	1.106	0.314	0.000	0.222	0.000	2.740	3.338	2.138	1.760	175.112	12.00K	
Zprf	2048	8	16	m	19521.984	0.771	0.989	1.134	0.314	0.000	0.222	0.000	3.444	4.179	2.707	2.270	218.287	16.00K	
Zprf	2048	9	16	m	21558.720	0.784	0.989	1.148	0.314	0.000	0.222	0.000	3.796	4.600	2.992	2.525	239.875	18.00K	
Zprf	4096	2	16	m	12435.930	0.729	0.952	1.052	1.108	0.314	0.000	0.222	0.000	1.630	1.735	1.768	1.256	150.617	8.00K
Zprf	4096	4	16	m	19373.812	0.747	0.953	1.053	1.111	0.314	0.000	0.222	0.000	2.532	2.828	2.858	2.237	230.189	16.00K
Zprf	4096	6	16	m	26311.694	0.773	0.953	1.126	0.314	0.000	0.222	0.000	3.491	3.887	3.348	3.219	309.761	24.00K	
Zprf	4096	9	16	m	32349.575	0.799	0.953	1.146	0.314	0.000	0.222	0.000	4.420	4.890	5.038	4.200	389.333	32.00K	
Zprf	4096	9	16	s	36718.516	0.812	0.953	1.156	0.314	0.000	0.222	0.000	4.884	5.392	5.583	4.691	429.119	36.00K	
Zprf	576	2	16	s	3579.647	0.685	0.942	1.054	0.314	0.000	0.222	0.000	1.245	1.331	0.445	0.370	43.979	1.12K	
Zprf	576	4	16	s	5576.697	0.703	0.941	1.057	0.314	0.000	0.222	0.000	1.831	2.138	0.638	0.540	60.712	2.25K	
Zprf	576	6	16	s	7573.747	0.729	0.942	1.061	0.314	0.000	0.222	0.000	2.498	2.903	0.831	0.711	77.445	3.38K	
Zprf	576	8	16	s	9570.796	0.755	0.941	1.078	0.314	0.000	0.222	0.000	3.183	3.606	1.024	0.881	94.179	4.50K	
Zprf	576	9	16	s	10569.321	0.768	0.941	1.086	0.314	0.000	0.222	0.000	3.526	3.958	1.121	0.966	102.545	5.08K	
Zprf	1024	2	16	s	4481.606	0.750	0.955	1.171	0.314	0.000	0.222	0.000	1.259	1.403	0.598	0.478	55.233	2.00K	
Zprf	1024	4	16	s	6391.849	0.767	0.956	1.192	0.314	0.000	0.222	0.000	1.857	2.259	0.692	0.750	77.958	4.00K	
Zprf	1024	6	16	s	9482.092	0.793	0.956	1.220	0.314	0.000	0.222	0.000	2.530	3.078	1.186	1.022	100.683	6.00K	
Zprf	1024	8	16	s	11982.335	0.818	0.956	1.246	0.314	0.000	0.222	0.000	3.197	3.638	1.481	1.293	123.408	8.00K	
Zprf	1024	9	16	s	13232.457	0.831	0.956	1.262	0.314	0.000	0.222	0.000	3.531	4.218	1.628	1.429	134.770	9.00K	
Zprf	2048	2	16	s	6796.006	0.767	0.988	1.228	0.314	0.000	0.222	0.000	1.416	1.519	0.965	0.731	83.559	4.00K	
Zprf	2048	4	16	s	10587.430	0.784	0.988	1.249	0.314	0.000	0.222	0.000	2.143	2.455	1.505	1.236	122.230	8.00K	
Zprf	2048	6	16	s	14378.854	0.807	0.988	1.276	0.314	0.000	0.222	0.000	2.937	3.354	2.045	1.741	160.902	12.00K	
Zprf	2048	8	16	s	18170.278	0.833	0.988	1.304	0.314	0.000	0.222	0.000	3.716	4.197	2.585	2.246	199.574	16.00K	
Zprf	2048	9	16	s	20065.990	0.846	0.988	1.318	0.314	0.000	0.222	0.000	4.105	4.618	2.855	2.499	218.909	18.00K	
Zprf	4096	2	16	s	11424.806	0.802	0.953	1.342	0.314	0.000	0.222	0.000	1.730	1.751	1.698	1.237	140.210	8.00K	
Zprf	4096	4	16	s	17798.592	0.819	0.953	1.361	0.314	0.000	0.222	0.000	2.714	2.846	2.730	2.209	210.775	16.00K	
Zprf	4096	6	16	s	24172.378	0.836	0.952	1.389	0.314	0.000	0.222	0.000	3.750	3.906	3.762	3.181	281.340	24.00K	
Zprf	4096	8	16	s	30546.163	0.862	0.953	1.417	0.314	0.000	0.222	0.000	4.753	4.914	4.793	4.153	351.905	32.00K	
Zprf	4096	9	16	s	33733.056	0.874	0.953	1.431	0.314	0.000	0.222	0.000	5.254	5.418	5.309	4.639	387.188	36.00K	
Zprf	8192	2	16	s	20682.407	0.967	1.171	1.354	0.314	0.000	0.222	0.000	2.275	2.215	3.166	2.248	253.513	16.00K	
Zprf	8192	4	16	s	32220.916	0.984	1.180	1.374	0.314	0.000	0.222	0.000	3.699	3.621	5.181	4.154	387.865	32.00K	
Zprf	8192	6	16	s	43759.425	1.002	1.198	1.401	0.314	0.000	0.222	0.000	5.169	4.989	7.195	6.060	522.217	48.00K	
Zprf	8192	8	16	s	55297.934	1.021	1.216	1.429	0.314	0.000	0.222	0.000	6.601	6.302	9.210	7.966	656.569	64.00K	
Zprf	8192	9	16	s	61067.188	1.030	1.226	1.443	0.314	0.000	0.222	0.000	7.317	6.958	10.217	8.919	723.745	72.00K	

t1p1v125c																	Total KBits	
type	word	io	mux	seg	drawing dimension area (um^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc (uA/MHz)	writec (uA/MHz)	leakage (uA)	Leakage_pd (uA)	Leakage_ffg (uA)	Total KBits
2pfr	8	2	2	f	1243.241	0.482	0.932	0.991	0.322	0.000	0.233	0.000	0.637	0.517	7.232	7.132	22.887	0.02K
2pfr	8	16	2	f	2428.935	0.511	0.933	0.992	0.322	0.000	0.233	0.000	1.526	1.235	10.490	9.679	34.483	0.12K
2pfr	8	32	2	f	3784.013	0.543	0.933	0.992	0.322	0.000	0.233	0.000	2.547	2.056	14.214	12.591	47.736	0.25K
2pfr	8	48	2	f	5139.091	0.576	0.934	0.995	0.322	0.000	0.233	0.000	3.644	2.849	17.938	15.502	60.988	0.38K
2pfr	8	64	2	f	6494.170	0.610	0.934	1.008	0.322	0.000	0.233	0.000	4.814	3.627	21.662	18.414	74.240	0.50K
2pfr	8	72	2	f	7171.709	0.627	0.934	1.016	0.322	0.000	0.233	0.000	5.414	4.015	23.524	19.870	80.866	0.56K
2pfr	16	2	2	f	1370.565	0.490	0.935	0.998	0.322	0.000	0.233	0.000	0.633	0.520	7.629	7.208	23.746	0.03K
2pfr	16	16	2	f	2677.689	0.518	0.935	0.998	0.322	0.000	0.233	0.000	1.489	1.263	11.283	10.152	36.091	0.25K
2pfr	16	32	2	f	4171.545	0.550	0.935	0.998	0.322	0.000	0.233	0.000	2.468	2.112	15.459	13.515	50.199	0.50K
2pfr	16	48	2	f	5665.401	0.583	0.936	0.999	0.322	0.000	0.233	0.000	3.512	2.933	19.635	16.879	64.307	0.75K
2pfr	16	64	2	f	7159.257	0.617	0.936	1.009	0.322	0.000	0.233	0.000	4.632	3.730	23.812	20.243	78.416	1.00K
2pfr	16	72	2	f	7906.185	0.634	0.936	1.017	0.322	0.000	0.233	0.000	5.207	4.124	25.900	21.924	85.470	1.12K
2pfr	32	2	2	f	1502.469	0.509	0.940	1.016	0.322	0.000	0.233	0.000	0.630	0.528	8.422	7.361	25.464	0.06K
2pfr	32	16	2	f	2935.391	0.538	0.941	1.016	0.322	0.000	0.233	0.000	1.449	1.318	12.868	11.096	39.306	0.50K
2pfr	32	32	2	f	4573.017	0.570	0.941	1.017	0.322	0.000	0.233	0.000	2.384	2.220	17.949	15.364	55.127	1.00K
2pfr	32	48	2	f	6210.643	0.603	0.941	1.020	0.322	0.000	0.233	0.000	3.375	3.103	23.030	19.632	70.947	1.50K
2pfr	32	64	2	f	7848.268	0.636	0.941	1.031	0.322	0.000	0.233	0.000	4.421	3.960	28.110	23.900	86.767	2.00K
2pfr	32	72	2	f	8667.081	0.653	0.941	1.038	0.322	0.000	0.233	0.000	4.955	4.382	30.651	26.034	94.677	2.25K
2pfr	64	2	2	f	1895.662	0.514	0.949	1.016	0.322	0.000	0.233	0.000	0.641	0.556	10.195	7.760	29.530	0.12K
2pfr	64	16	2	f	3703.577	0.543	0.949	1.016	0.322	0.000	0.233	0.000	1.431	1.424	16.722	13.121	48.339	1.00K
2pfr	64	32	2	f	5769.766	0.575	0.949	1.016	0.322	0.000	0.233	0.000	2.334	2.177	24.182	19.248	69.835	2.00K
2pfr	64	48	2	f	7835.955	0.608	0.950	1.021	0.322	0.000	0.233	0.000	3.286	3.386	31.642	25.375	91.330	3.00K
2pfr	64	64	2	f	9902.144	0.641	0.950	1.033	0.322	0.000	0.233	0.000	4.286	4.329	39.102	31.502	112.826	4.00K
2pfr	64	72	2	f	10935.238	0.658	0.950	1.040	0.322	0.000	0.233	0.000	4.796	4.794	42.832	34.565	123.574	4.50K
2pfr	128	2	2	f	2682.048	0.524	0.965	1.015	0.322	0.000	0.233	0.000	0.664	0.612	13.739	8.558	37.664	0.25K
2pfr	128	16	2	f	5239.949	0.552	0.966	1.016	0.322	0.000	0.233	0.000	1.396	1.638	24.430	17.171	66.404	2.00K
2pfr	128	32	2	f	8163.264	0.584	0.966	1.016	0.322	0.000	0.233	0.000	2.234	2.810	36.648	27.016	99.251	4.00K
2pfr	128	48	2	f	11086.579	0.617	0.966	1.024	0.322	0.000	0.233	0.000	3.108	3.953	48.867	36.860	132.098	6.00K
2pfr	128	64	2	f	14009.894	0.651	0.967	1.036	0.322	0.000	0.233	0.000	4.017	5.087	61.085	49.704	164.944	8.00K
2pfr	128	72	2	f	15471.552	0.668	0.967	1.043	0.322	0.000	0.233	0.000	4.477	5.618	67.194	51.626	181.367	9.00K
2pfr	256	2	2	f	4254.820	0.541	1.000	1.029	0.322	0.000	0.233	0.000	0.704	0.690	20.828	10.153	53.930	0.50K
2pfr	256	16	2	f	8312.692	0.570	1.000	1.042	0.322	0.000	0.233	0.000	1.497	1.997	39.846	25.272	102.535	4.00K
2pfr	256	32	2	f	12950.260	0.602	1.001	1.058	0.322	0.000	0.233	0.000	2.403	3.491	61.581	42.551	158.084	8.00K
2pfr	256	48	2	f	17587.828	0.635	1.001	1.074	0.322	0.000	0.233	0.000	3.337	4.960	83.316	59.830	213.632	12.00K
2pfr	256	64	2	f	22225.396	0.669	1.001	1.088	0.322	0.000	0.233	0.000	4.291	6.405	105.050	77.109	269.181	16.00K
2pfr	256	72	2	f	24544.180	0.686	1.001	1.095	0.322	0.000	0.233	0.000	4.772	7.123	115.918	85.749	296.955	18.00K
2pfr	40	2	2	m	1568.421	0.519	0.942	1.025	0.322	0.000	0.233	0.000	0.637	0.541	8.819	7.438	26.323	0.08K
2pfr	40	16	2	m	3064.243	0.547	0.943	1.025	0.322	0.000	0.233	0.000	1.441	1.358	13.661	11.568	40.914	0.62K
2pfr	40	32	2	m	4773.753	0.580	0.943	1.026	0.322	0.000	0.233	0.000	2.359	2.292	19.194	16.288	57.590	1.25K
2pfr	40	48	2	m	6483.263	0.613	0.943	1.030	0.322	0.000	0.233	0.000	3.326	3.202	24.727	21.009	74.266	1.88K
2pfr	40	64	2	m	8192.774	0.646	0.943	1.044	0.322	0.000	0.233	0.000	4.342	4.086	30.260	25.729	90.942	2.50K
2pfr	40	72	2	m	9047.529	0.663	0.943	1.053	0.322	0.000	0.233	0.000	4.860	4.521	33.026	28.089	99.280	2.81K
2pfr	64	2	2	m	1766.277	0.548	0.948	1.052	0.322	0.000	0.233	0.000	0.660	0.580	10.010	7.667	28.899	0.12K
2pfr	64	16	2	m	3450.796	0.576	0.948	1.052	0.322	0.000	0.233	0.000	1.417	1.479	16.039	12.984	45.737	1.00K
2pfr	64	32	2	m	5375.961	0.609	0.948	1.052	0.322	0.000	0.233	0.000	2.282	2.507	22.928	19.061	64.981	2.00K
2pfr	64	48	2	m	7301.126	0.641	0.949	1.060	0.322	0.000	0.233	0.000	3.178	3.501	29.818	25.138	84.225	3.00K
2pfr	64	64	2	m	9226.291	0.675	0.949	1.082	0.322	0.000	0.233	0.000	4.106	4.464	36.708	31.215	103.469	4.00K
2pfr	64	72	2	m	10188.873	0.691	0.949	1.096	0.322	0.000	0.233	0.000	4.577	4.939	40.152	34.254	113.091	4.50K
2pfr	128	2	2	m	2423.278	0.556	0.965	1.055	0.322	0.000	0.233	0.000	0.678	0.620	13.370	8.371	36.401	0.25K
2pfr	128	16	2	m	4734.387	0.584	0.965	1.063	0.322	0.000	0.233	0.000	1.449	1.658	23.063	16.898	61.201	2.00K
2pfr	128	32	2	m	7375.654	0.616	0.966	1.073	0.322	0.000	0.233	0.000	2.330	2.845	34.141	26.643	89.544	4.00K
2pfr	128	48	2	m	10016.921	0.649	0.966	1.088	0.322	0.000	0.233	0.000	3.236	4.000	45.219	36.387	6.00K	0.00K
2pfr	128	64	2	m	12558.188	0.683	0.966	1.112	0.322	0.000	0.233	0.000	4.165	5.126	56.296	46.132	146.230	8.00K
2pfr	128	72	2	m	13978.822	0.700	0.966	1.127	0.322	0.000	0.233	0.000	4.635	5.683	61.835	51.004	160.402	9.00K
2pfr	256	2	2	m	3737.280	0.572	1.000	1.061	0.322	0.000	0.233	0.000	0.714	0.698	20.091	9.781	51.404	0.50K
2pfr	256	16	2	m	7301.568	0.600	1.000	1.085	0.322	0.000	0.233	0.000	1.512	2.015	37.113	24.725	92.128	4.00K
2pfr	256	32	2	m	11375.040	0.632	1.001	1.113	0.322									

type	word	io	mux	seg	drawing dimension area (μm^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc ($\mu\text{A}/\text{MHz}$)	writec ($\mu\text{A}/\text{MHz}$)	leakage (μA)	Leakage_pd (μA)	Leakage_ffg (μA)	Total KBits
2prf	256	16	2	s	6796.006	0.674	0.999	1.263	0.322	0.000	0.233	0.000	1.601	2.091	35.746	24.452	86.925	4.00K
2prf	256	32	2	s	10587.430	0.702	1.000	1.291	0.322	0.000	0.233	0.000	2.586	3.660	54.059	41.432	128.963	8.00K
2prf	256	48	2	s	14378.854	0.731	1.000	1.321	0.322	0.000	0.233	0.000	3.588	5.200	72.372	58.413	171.001	12.00K
2prf	256	64	2	s	18170.278	0.762	1.000	1.350	0.322	0.000	0.233	0.000	4.603	6.719	90.685	75.393	213.039	16.00K
2prf	256	72	2	s	20065.990	0.778	1.000	1.365	0.322	0.000	0.233	0.000	5.113	7.475	99.842	83.883	234.058	18.00K
2prf	512	2	2	s	5847.744	0.710	1.066	1.358	0.322	0.000	0.233	0.000	0.832	0.872	32.793	12.226	78.886	1.00K
2prf	512	16	2	s	11424.806	0.727	1.066	1.382	0.322	0.000	0.233	0.000	1.908	2.777	62.477	39.834	143.576	8.00K
2prf	512	32	2	s	17798.592	0.746	1.067	1.410	0.322	0.000	0.233	0.000	3.139	4.954	96.402	71.385	217.508	16.00K
2prf	512	48	2	s	24172.378	0.764	1.067	1.440	0.322	0.000	0.233	0.000	4.364	7.097	130.327	102.936	291.440	24.00K
2prf	512	64	2	s	30546.163	0.790	1.075	1.469	0.322	0.000	0.233	0.000	5.588	9.221	164.252	134.487	365.371	32.00K
2prf	512	72	2	s	33733.056	0.805	1.089	1.484	0.322	0.000	0.233	0.000	6.199	10.280	181.214	150.262	402.337	36.00K
2prf	1024	2	2	s	10586.212	0.880	1.251	1.371	0.322	0.000	0.233	0.000	1.022	1.197	58.936	17.491	136.376	2.00K
2prf	1024	16	2	s	20682.407	0.897	1.271	1.396	0.322	0.000	0.233	0.000	2.559	4.247	115.941	70.597	256.879	16.00K
2prf	1024	32	2	s	32220.916	0.917	1.293	1.424	0.322	0.000	0.233	0.000	4.315	7.732	181.089	131.289	394.598	32.00K
2prf	1024	48	2	s	43759.425	0.936	1.318	1.453	0.322	0.000	0.233	0.000	6.080	11.176	246.237	191.982	532.316	48.00K
2prf	1024	64	2	s	55297.934	0.955	1.344	1.482	0.322	0.000	0.233	0.000	7.796	14.591	311.385	252.674	670.034	64.00K
2prf	1024	72	2	s	61067.188	0.965	1.357	1.497	0.322	0.000	0.233	0.000	8.639	16.294	343.959	283.021	738.894	72.00K
2prf	16	2	4	f	1412.626	0.504	0.933	0.991	0.322	0.000	0.233	0.000	0.735	0.615	7.587	7.376	24.073	0.03K
2prf	16	8	4	f	2428.935	0.525	0.933	0.991	0.322	0.000	0.233	0.000	1.408	1.202	10.048	9.198	32.601	0.12K
2prf	16	16	4	f	3784.013	0.554	0.933	0.992	0.322	0.000	0.233	0.000	2.304	1.983	13.331	11.630	43.971	0.25K
2prf	16	24	4	f	5139.091	0.582	0.933	0.992	0.322	0.000	0.233	0.000	3.271	2.733	16.613	14.061	55.341	0.38K
2prf	16	32	4	f	6494.170	0.610	0.933	1.003	0.322	0.000	0.233	0.000	4.305	3.446	19.895	16.492	66.711	0.50K
2prf	16	36	4	f	7171.709	0.625	0.933	1.012	0.322	0.000	0.233	0.000	4.835	3.796	21.536	17.707	72.396	0.56K
2prf	32	2	4	f	1557.397	0.511	0.935	0.998	0.322	0.000	0.233	0.000	0.728	0.619	8.040	7.509	25.039	0.06K
2prf	32	8	4	f	2677.689	0.532	0.935	0.998	0.322	0.000	0.233	0.000	1.369	1.219	10.841	9.671	34.209	0.25K
2prf	32	16	4	f	4171.545	0.559	0.935	0.998	0.322	0.000	0.233	0.000	2.225	2.011	14.576	12.554	46.434	0.50K
2prf	32	24	4	f	5665.401	0.588	0.935	0.998	0.322	0.000	0.233	0.000	3.144	2.780	18.310	15.438	58.660	0.75K
2prf	32	32	4	f	7159.257	0.617	0.935	1.006	0.322	0.000	0.233	0.000	4.111	3.511	22.045	18.321	70.886	1.00K
2prf	32	36	4	f	7906.185	0.632	0.936	1.013	0.322	0.000	0.233	0.000	4.603	3.869	23.912	19.762	76.999	1.12K
2prf	64	2	4	f	1707.172	0.531	0.941	1.016	0.322	0.000	0.233	0.000	0.719	0.627	8.947	7.775	26.971	0.12K
2prf	64	8	4	f	2935.351	0.552	0.941	1.016	0.322	0.000	0.233	0.000	1.323	1.250	12.426	10.615	37.424	0.50K
2prf	64	16	4	f	4573.017	0.580	0.941	1.016	0.322	0.000	0.233	0.000	2.140	2.079	17.065	14.403	51.362	1.00K
2prf	64	24	4	f	6210.643	0.608	0.941	1.017	0.322	0.000	0.233	0.000	3.010	2.874	21.704	18.191	65.300	1.50K
2prf	64	32	4	f	7848.268	0.637	0.941	1.028	0.322	0.000	0.233	0.000	3.923	3.640	26.343	21.978	79.237	2.00K
2prf	64	36	4	f	8667.081	0.652	0.941	1.035	0.322	0.000	0.233	0.000	4.385	4.017	28.663	23.872	86.206	2.25K
2prf	128	2	4	f	2153.936	0.536	0.949	1.016	0.322	0.000	0.233	0.000	0.727	0.657	11.017	8.406	31.747	0.25K
2prf	128	8	4	f	3703.577	0.557	0.949	1.016	0.322	0.000	0.233	0.000	1.310	1.319	16.280	12.640	46.457	1.00K
2prf	128	16	4	f	5769.766	0.585	0.950	1.016	0.322	0.000	0.233	0.000	2.088	2.200	23.299	18.287	66.070	2.00K
2prf	128	24	4	f	7835.955	0.613	0.950	1.019	0.322	0.000	0.233	0.000	2.917	3.046	30.317	23.933	85.683	3.00K
2prf	128	32	4	f	9902.144	0.642	0.950	1.030	0.322	0.000	0.233	0.000	3.784	3.860	37.335	29.580	105.297	4.00K
2prf	128	36	4	f	10935.238	0.657	0.950	1.037	0.322	0.000	0.233	0.000	4.224	4.261	40.844	32.403	115.103	4.50K
2prf	256	2	4	f	3047.462	0.545	0.966	1.015	0.322	0.000	0.233	0.000	0.742	0.717	15.156	9.668	41.299	0.50K
2prf	256	8	4	f	5239.949	0.566	0.966	1.015	0.322	0.000	0.233	0.000	1.274	1.456	23.988	16.691	64.522	2.00K
2prf	256	16	4	f	8163.264	0.594	0.966	1.016	0.322	0.000	0.233	0.000	1.984	2.442	35.765	26.055	95.486	4.00K
2prf	256	24	4	f	11086.579	0.623	0.966	1.022	0.322	0.000	0.233	0.000	2.732	3.389	47.541	35.418	126.451	6.00K
2prf	256	32	4	f	14009.894	0.652	0.966	1.034	0.322	0.000	0.233	0.000	3.507	4.301	59.318	44.782	157.415	8.00K
2prf	256	36	4	f	15471.552	0.667	0.966	1.041	0.322	0.000	0.233	0.000	3.900	4.750	65.206	49.464	172.897	9.00K
2prf	512	2	4	f	4834.516	0.563	1.000	1.031	0.322	0.000	0.233	0.000	0.791	0.801	23.435	12.193	60.403	1.00K
2prf	512	8	4	f	8312.692	0.584	1.000	1.042	0.322	0.000	0.233	0.000	1.376	1.680	39.404	24.791	100.653	4.00K
2prf	512	16	4	f	12950.260	0.612	1.001	1.057	0.322	0.000	0.233	0.000	2.154	2.851	60.697	41.590	154.319	8.00K
2prf	512	24	4	f	17587.828	0.640	1.001	1.071	0.322	0.000	0.233	0.000	2.958	3.986	81.190	58.389	207.985	12.00K
2prf	512	32	4	f	22225.396	0.670	1.001	1.085	0.322	0.000	0.233	0.000	3.776	5.082	103.283	75.187	261.651	16.00K
2prf	512	36	4	f	24544.180	0.684	1.001	1.092	0.322	0.000	0.233	0.000	4.188	5.622	113.930	83.587	288.484	18.00K
2prf	80	2	4	m	1782.110	0.541	0.942	1.025	0.322	0.000	0.233	0.000	0.725	0.641	7.908	7.236	0.16K	0.00K
2prf	80	8	4	m	3064.243	0.561	0.943	1.025	0.322	0.000	0.233	0.000	1.320	1.274	13.219	11.087	39.032	0.62K
2prf	80	16	4	m	4773.753	0.589	0.943	1.025	0.322	0.000	0.233	0.000	2.118	2.118	18.310	15.327	53.826	1.25K
2prf	80	24	4	m	6483.263	0.618	0.943	1.028										

type	word	io	mux	seg	drawing dimension area (μm^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc ($\mu\text{A}/\text{MHz}$)	writec ($\mu\text{A}/\text{MHz}$)	leakage (μA)	Leakage_pd (μA)	Leakage_ffg (μA)	Total KBits
2prf	1024	24	4	m	26311.694	0.698	1.066	1.156	0.322	0.000	0.233	0.000	3.718	5.190	136.297	102.439	314.213	24.00K
2prf	1024	32	4	m	33249.575	0.727	1.067	1.180	0.322	0.000	0.233	0.000	4.739	6.665	172.062	133.709	395.269	32.00K
2prf	1024	36	4	m	36718.516	0.742	1.071	1.195	0.322	0.000	0.233	0.000	5.248	7.395	189.944	149.344	435.797	36.00K
2prf	144	2	4	s	2081.860	0.578	0.950	1.067	0.322	0.000	0.233	0.000	0.746	0.689	11.214	8.439	31.800	0.28K
2prf	144	8	4	s	3579.647	0.599	0.950	1.070	0.322	0.000	0.233	0.000	1.300	1.373	16.390	12.976	45.463	1.12K
2prf	144	16	4	s	5576.697	0.626	0.950	1.074	0.322	0.000	0.233	0.000	2.039	2.285	23.290	19.025	63.680	2.25K
2prf	144	24	4	s	7573.747	0.655	0.951	1.085	0.322	0.000	0.233	0.000	2.804	3.156	30.190	25.073	81.898	3.38K
2prf	144	32	4	s	9570.796	0.685	0.951	1.108	0.322	0.000	0.233	0.000	3.599	3.986	37.090	31.122	100.115	4.50K
2prf	144	36	4	s	10569.321	0.699	0.951	1.122	0.322	0.000	0.233	0.000	4.002	4.393	40.540	34.147	109.224	5.06K
2prf	256	2	4	s	2606.423	0.641	0.966	1.183	0.322	0.000	0.233	0.000	0.773	0.745	14.389	9.370	38.560	0.50K
2prf	256	8	4	s	4481.606	0.662	0.966	1.204	0.322	0.000	0.233	0.000	1.324	1.518	21.938	16.281	56.717	2.00K
2prf	256	16	4	s	6981.849	0.689	0.966	1.232	0.322	0.000	0.233	0.000	2.059	2.548	32.004	25.495	80.926	4.00K
2prf	256	24	4	s	9482.092	0.718	0.966	1.261	0.322	0.000	0.233	0.000	2.813	3.537	42.069	34.710	105.135	6.00K
2prf	256	32	4	s	11982.335	0.748	0.966	1.290	0.322	0.000	0.233	0.000	3.587	4.489	52.135	43.924	129.344	8.00K
2prf	256	36	4	s	13232.457	0.762	0.966	1.305	0.322	0.000	0.233	0.000	3.979	4.958	57.168	48.531	141.449	9.00K
2prf	512	2	4	s	3952.438	0.669	0.999	1.242	0.322	0.000	0.233	0.000	0.835	0.828	21.900	11.597	54.926	1.00K
2prf	512	8	4	s	6796.006	0.687	0.999	1.263	0.322	0.000	0.233	0.000	1.478	1.732	35.304	23.972	85.043	4.00K
2prf	512	16	4	s	10587.430	0.712	0.999	1.292	0.322	0.000	0.233	0.000	2.336	2.937	53.175	40.471	125.199	8.00K
2prf	512	24	4	s	14378.854	0.738	1.000	1.320	0.322	0.000	0.233	0.000	3.205	4.103	71.047	56.971	165.354	12.00K
2prf	512	32	4	s	18170.278	0.764	1.000	1.350	0.322	0.000	0.233	0.000	4.087	5.232	88.918	73.471	205.510	16.00K
2prf	512	36	4	s	20665.990	0.777	1.000	1.365	0.322	0.000	0.233	0.000	4.531	5.789	97.854	81.721	225.588	18.00K
2prf	1024	2	4	s	6644.467	0.725	1.066	1.361	0.322	0.000	0.233	0.000	0.960	0.994	36.923	16.050	87.857	2.00K
2prf	1024	8	4	s	11424.806	0.739	1.066	1.382	0.322	0.000	0.233	0.000	1.787	2.160	62.036	39.353	141.694	8.00K
2prf	1024	16	4	s	17798.592	0.757	1.066	1.411	0.322	0.000	0.233	0.000	2.891	3.714	95.519	70.424	213.743	16.00K
2prf	1024	24	4	s	24172.378	0.776	1.067	1.440	0.322	0.000	0.233	0.000	3.990	5.233	129.002	101.494	285.793	24.00K
2prf	1024	32	4	s	30546.163	0.795	1.067	1.470	0.322	0.000	0.233	0.000	5.086	6.716	162.485	132.565	357.842	32.00K
2prf	1024	36	4	s	33733.056	0.805	1.067	1.485	0.322	0.000	0.233	0.000	5.634	7.449	179.227	149.100	393.866	36.00K
2prf	2048	2	4	s	12028.526	0.896	1.257	1.377	0.322	0.000	0.233	0.000	1.205	1.337	66.969	24.957	153.120	4.00K
2prf	2048	8	4	s	20682.407	0.911	1.268	1.397	0.322	0.000	0.233	0.000	2.398	3.048	115.499	70.116	254.997	16.00K
2prf	2048	16	4	s	32220.916	0.930	1.282	1.424	0.322	0.000	0.233	0.000	3.988	5.329	180.205	130.328	390.833	32.00K
2prf	2048	24	4	s	43725.945	0.950	1.301	1.453	0.322	0.000	0.233	0.000	5.539	7.577	244.912	190.540	526.669	48.00K
2prf	2048	32	4	s	55297.934	0.969	1.321	1.482	0.322	0.000	0.233	0.000	7.145	9.791	309.618	250.752	662.505	64.00K
2prf	2048	36	4	s	61067.168	0.979	1.331	1.496	0.322	0.000	0.233	0.000	7.921	10.892	341.971	280.858	730.423	72.00K
2prf	32	2	8	f	1751.395	0.540	0.933	0.991	0.322	0.000	0.233	0.000	0.964	0.846	8.290	7.857	26.437	0.06K
2prf	32	4	8	f	2428.935	0.552	0.933	0.991	0.322	0.000	0.233	0.000	1.394	1.234	9.815	8.945	31.642	0.12K
2prf	32	8	8	f	3784.013	0.577	0.933	0.992	0.322	0.000	0.233	0.000	2.253	2.008	12.863	11.123	42.054	0.25K
2prf	32	12	8	f	5139.091	0.603	0.933	0.992	0.322	0.000	0.233	0.000	3.179	2.752	15.912	13.301	52.466	0.38K
2prf	32	16	8	f	6494.170	0.630	0.933	1.003	0.322	0.000	0.233	0.000	4.184	3.458	18.961	15.478	62.877	0.50K
2prf	32	18	8	f	7171.709	0.644	0.933	1.011	0.322	0.000	0.233	0.000	4.696	3.807	20.485	16.567	68.083	0.56K
2prf	64	2	8	f	1930.761	0.547	0.935	0.999	0.322	0.000	0.233	0.000	0.948	0.851	8.857	8.103	27.616	0.12K
2prf	64	4	8	f	2677.689	0.559	0.935	0.998	0.322	0.000	0.233	0.000	0.964	0.846	8.290	7.857	26.437	0.06K
2prf	64	8	8	f	4171.545	0.584	0.935	0.998	0.322	0.000	0.233	0.000	2.173	2.028	14.108	12.047	44.518	0.50K
2prf	64	12	8	f	5665.401	0.610	0.935	0.998	0.322	0.000	0.233	0.000	3.055	2.782	17.609	14.677	55.785	0.75K
2prf	64	16	8	f	7159.257	0.637	0.935	1.006	0.322	0.000	0.233	0.000	3.994	3.497	21.110	17.307	67.053	1.00K
2prf	64	18	8	f	7906.185	0.651	0.935	1.011	0.322	0.000	0.233	0.000	4.469	3.850	22.860	18.622	72.687	1.12K
2prf	128	2	8	f	2116.579	0.567	0.941	1.016	0.322	0.000	0.233	0.000	0.932	0.862	9.990	8.595	29.976	0.25K
2prf	128	4	8	f	2935.391	0.579	0.941	1.016	0.322	0.000	0.233	0.000	1.319	1.264	12.193	10.362	36.466	0.50K
2prf	128	8	8	f	4573.017	0.604	0.941	1.016	0.322	0.000	0.233	0.000	2.092	2.068	16.598	13.896	49.445	1.00K
2prf	128	12	8	f	6210.643	0.630	0.941	1.016	0.322	0.000	0.233	0.000	2.922	2.839	21.003	17.430	62.425	1.50K
2prf	128	16	8	f	7848.268	0.657	0.941	1.027	0.322	0.000	0.233	0.000	3.809	3.574	25.409	20.965	75.404	2.00K
2prf	128	18	8	f	8667.081	0.671	0.941	1.034	0.322	0.000	0.233	0.000	4.258	3.937	27.611	22.732	81.894	2.25K
2prf	256	2	8	f	2670.483	0.572	0.949	0.949	0.322	0.000	0.233	0.000	0.931	0.895	12.655	9.691	36.171	0.50K
2prf	256	4	8	f	3703.577	0.584	0.949	0.966	0.322	0.000	0.233	0.000	1.302	1.314	16.047	12.387	45.498	1.00K
2prf	256	8	8	f	5769.766	0.609	0.949	0.966	0.322	0.000	0.233	0.000	2.044	2.152	22.831	17.780	64.153	2.00K
2prf	256	12	8	f	7835.955	0.635	0.949	1.018	0.322	0.000	0.233	0.000	2.833	2.956	29.616	23.173	82.808	3.00K
2prf	256	16	8	f	9902.144	0.662	0.950	1.028	0.322	0.000	0.233	0.000	3.672	3.719	36.400	28.566	101.463	4.00K
2prf	256	18	8	f	10935.238	0.676	0.950</td											

type	word	io	mux	seg	drawing dimension area (um^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc (uA/MHz)	writec (uA/MHz)	leakage (uA)	Leakage_pd (uA)	Leakage_ffg (uA)	Total KBits
2prf	256	18	8	m	10188.873	0.710	0.948	1.096	0.322	0.000	0.233	0.000	3.883	4.112	37.113	30.951	100.308	4.50K
2prf	512	2	8	m	3413.753	0.614	0.966	1.059	0.322	0.000	0.233	0.000	0.963	0.969	17.187	11.659	45.609	1.00K
2prf	512	4	8	m	4734.387	0.626	0.966	1.064	0.322	0.000	0.233	0.000	1.322	1.422	22.388	16.164	58.360	2.00K
2prf	512	8	8	m	7375.654	0.651	0.966	1.073	0.322	0.000	0.233	0.000	2.040	2.328	32.790	25.175	83.863	4.00K
2prf	512	12	8	m	10016.921	0.677	0.966	1.087	0.322	0.000	0.233	0.000	2.785	3.194	43.192	34.185	109.365	6.00K
2prf	512	16	8	m	12658.188	0.704	0.966	1.112	0.322	0.000	0.233	0.000	3.553	4.009	53.595	43.196	134.868	8.00K
2prf	512	18	8	m	13978.822	0.718	0.966	1.127	0.322	0.000	0.233	0.000	3.940	4.409	58.796	47.702	147.619	9.00K
2prf	1024	2	8	m	5264.832	0.630	1.000	1.075	0.322	0.000	0.233	0.000	1.011	1.066	27.048	15.819	67.437	2.00K
2prf	1024	4	8	m	7301.568	0.642	1.000	1.088	0.322	0.000	0.233	0.000	1.387	1.579	36.437	23.991	89.288	4.00K
2prf	1024	8	8	m	11375.040	0.667	1.001	1.115	0.322	0.000	0.233	0.000	2.138	2.606	55.215	40.337	132.989	8.00K
2prf	1024	12	8	m	15448.512	0.693	1.001	1.144	0.322	0.000	0.233	0.000	2.905	3.596	73.994	56.683	176.690	12.00K
2prf	1024	16	8	m	19521.984	0.721	1.001	1.174	0.322	0.000	0.233	0.000	3.672	4.539	92.772	73.029	220.391	16.00K
2prf	1024	18	8	m	21558.720	0.734	1.001	1.189	0.322	0.000	0.233	0.000	4.055	5.004	102.161	81.202	242.241	18.00K
2prf	2048	2	8	s	8966.990	0.657	1.066	1.125	0.322	0.000	0.233	0.000	1.187	1.256	46.770	24.138	111.093	4.00K
2prf	2048	4	8	s	12435.930	0.670	1.066	1.130	0.322	0.000	0.233	0.000	1.677	1.882	64.536	39.646	151.142	8.00K
2prf	2048	8	8	s	19373.812	0.694	1.066	1.142	0.322	0.000	0.233	0.000	2.659	3.132	100.066	70.663	231.240	16.00K
2prf	2048	12	8	s	26311.694	0.721	1.066	1.156	0.322	0.000	0.233	0.000	3.654	4.352	135.597	101.679	311.338	24.00K
2prf	2048	16	8	s	33249.575	0.748	1.067	1.181	0.322	0.000	0.233	0.000	4.644	5.524	171.127	132.695	391.436	32.00K
2prf	2048	18	8	s	36718.516	0.762	1.067	1.196	0.322	0.000	0.233	0.000	5.137	6.104	188.892	148.203	431.485	36.00K
2prf	288	2	8	s	2581.123	0.615	0.951	1.063	0.322	0.000	0.233	0.000	0.943	0.930	12.823	9.825	35.875	0.56K
2prf	288	4	8	s	3579.647	0.627	0.950	1.071	0.322	0.000	0.233	0.000	1.293	1.358	16.156	12.723	44.505	1.12K
2prf	288	8	8	s	5576.697	0.652	0.950	1.075	0.322	0.000	0.233	0.000	1.994	2.214	22.822	18.518	61.764	2.25K
2prf	288	12	8	s	7573.747	0.678	0.951	1.084	0.322	0.000	0.233	0.000	2.727	3.028	29.489	24.313	79.023	3.38K
2prf	288	16	8	s	9570.796	0.705	0.951	1.108	0.322	0.000	0.233	0.000	3.493	3.790	36.155	30.109	96.282	4.50K
2prf	288	18	8	s	10569.321	0.719	0.951	1.122	0.322	0.000	0.233	0.000	3.880	4.164	39.489	33.006	104.912	5.06K
2prf	512	2	8	s	3231.484	0.678	0.966	1.193	0.322	0.000	0.233	0.000	0.967	0.991	16.788	11.547	44.133	1.00K
2prf	512	4	8	s	4481.606	0.690	0.966	1.206	0.322	0.000	0.233	0.000	1.317	1.455	21.704	16.027	55.759	2.00K
2prf	512	8	8	s	6981.849	0.715	0.966	1.233	0.322	0.000	0.233	0.000	2.018	2.383	31.537	24.988	79.010	4.00K
2prf	512	12	8	s	9482.092	0.741	0.967	1.262	0.322	0.000	0.233	0.000	2.743	3.274	41.368	33.949	102.260	6.00K
2prf	512	16	8	s	11982.335	0.769	0.967	1.292	0.322	0.000	0.233	0.000	3.488	4.116	51.201	42.910	125.511	8.00K
2prf	512	18	8	s	13232.457	0.782	0.968	1.306	0.322	0.000	0.233	0.000	3.862	4.531	56.417	47.391	137.136	9.00K
2prf	1024	2	8	s	4900.294	0.702	0.993	1.253	0.322	0.000	0.233	0.000	1.080	1.251	15.595	12.251	64.486	2.00K
2prf	1024	4	8	s	6796.006	0.714	0.999	1.266	0.322	0.000	0.233	0.000	1.472	1.603	35.070	23.718	84.085	4.00K
2prf	1024	8	8	s	10587.430	0.736	1.000	1.293	0.322	0.000	0.233	0.000	2.296	2.641	52.708	39.965	123.282	8.00K
2prf	1024	12	8	s	14378.554	0.760	1.000	1.322	0.322	0.000	0.233	0.000	3.136	3.643	70.346	56.211	162.479	12.00K
2prf	1024	16	8	s	18170.278	0.785	1.000	1.351	0.322	0.000	0.233	0.000	3.989	4.596	78.984	72.457	201.677	16.00K
2prf	1024	18	8	s	20665.990	0.797	1.001	1.366	0.322	0.000	0.233	0.000	4.417	5.067	96.803	80.580	221.275	18.00K
2prf	2048	2	8	s	8237.914	0.751	1.066	1.374	0.322	0.000	0.233	0.000	1.246	1.272	23.691	20.190	105.190	4.00K
2prf	2048	4	8	s	11424.806	0.760	1.066	1.387	0.322	0.000	0.233	0.000	1.782	1.900	61.802	39.100	140.736	8.00K
2prf	2048	8	8	s	17798.592	0.778	1.066	1.412	0.322	0.000	0.233	0.000	2.853	3.156	95.051	69.917	211.827	16.00K
2prf	2048	12	8	s	24172.378	0.797	1.066	1.441	0.322	0.000	0.233	0.000	3.922	4.380	128.301	100.734	282.918	24.00K
2prf	2048	16	8	s	30546.163	0.816	1.067	1.471	0.322	0.000	0.233	0.000	4.992	5.558	161.550	131.551	354.008	32.00K
2prf	2048	18	8	s	33733.056	0.826	1.067	1.486	0.322	0.000	0.233	0.000	5.527	6.140	178.175	146.960	389.554	36.00K
2prf	4096	2	8	s	14913.153	0.925	1.226	1.387	0.322	0.000	0.233	0.000	1.598	1.656	83.029	39.883	186.600	8.00K
2prf	4096	4	8	s	20682.407	0.935	1.236	1.400	0.322	0.000	0.233	0.000	2.361	2.506	115.265	69.863	254.039	16.00K
2prf	4096	8	8	s	32220.916	0.954	1.255	1.425	0.322	0.000	0.233	0.000	3.887	4.207	179.738	129.821	388.916	32.00K
2prf	4096	12	8	s	43759.425	0.973	1.273	1.454	0.322	0.000	0.233	0.000	5.403	5.866	244.211	189.780	523.794	48.00K
2prf	4096	16	8	s	55297.934	0.993	1.295	1.483	0.322	0.000	0.233	0.000	6.929	7.485	308.684	249.739	658.672	64.00K
2prf	4096	18	8	s	61067.188	1.003	1.306	1.497	0.322	0.000	0.233	0.000	7.695	8.291	340.920	279.718	726.111	72.00K
2prf	64	2	16	f	2428.935	0.612	0.935	0.991	0.322	0.000	0.233	0.000	1.381	1.229	9.685	8.805	31.117	0.12K
2prf	64	4	16	f	3784.013	0.630	0.935	0.991	0.322	0.000	0.233	0.000	2.149	1.976	12.604	10.841	41.003	0.25K
2prf	64	6	16	f	5139.091	0.657	0.935	0.992	0.322	0.000	0.233	0.000	3.038	2.692	15.523	12.878	50.888	0.38K
2prf	64	8	16	f	6494.170	0.683	0.935	1.000	0.322	0.000	0.233	0.000	4.001	3.367	18.442	14.915	45.000	0.50K
2prf	64	9	16	f	7171.709	0.696	0.935	1.003	0.322	0.000	0.233	0.000	4.483	3.704	19.901	15.933	65.717	0.56K
2prf	128	2	16	f	2677.689	0.619	0.937	0.998	0.322	0.000	0.233	0.000	1.346	1.237	10.478	9.277	32.724	0.25K
2prf	128	4	16	f	4171.545	0.637	0.937	0.997	0.322	0.000	0.233	0.000	2.078	1.990	13.849	11.766	43.466	0.50K
2prf	128	6	16	f	5665.401	0.663	0.937	0.998	0.322	0.000	0.233	0.000	2.908	2.714				

type	word	io	mux	seg	drawing dimension area (μm^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc ($\mu\text{A}/\text{MHz}$)	writec ($\mu\text{A}/\text{MHz}$)	leakage (μA)	Leakage_pd (μA)	Leakage_ffg (μA)	Total KBits
2prf	320	4	16	m	4773.753	0.667	0.944	1.025	0.322	0.000	0.233	0.000	1.972	2.040	17.583	14.539	50.857	1.25K
2prf	320	6	16	m	6483.263	0.692	0.945	1.026	0.322	0.000	0.233	0.000	2.731	2.783	22.311	18.384	64.167	1.88K
2prf	320	8	16	m	8192.774	0.719	0.945	1.039	0.322	0.000	0.233	0.000	3.543	3.479	27.039	22.230	77.477	2.50K
2prf	320	9	16	m	9047.529	0.732	0.945	1.046	0.322	0.000	0.233	0.000	3.950	3.826	29.403	24.153	84.131	2.81K
2prf	512	2	16	m	3450.796	0.677	0.950	1.052	0.322	0.000	0.233	0.000	1.283	1.321	15.233	12.110	42.371	1.00K
2prf	512	4	16	m	5375.961	0.695	0.950	1.051	0.322	0.000	0.233	0.000	1.894	2.113	21.318	17.312	58.248	2.00K
2prf	512	6	16	m	7301.126	0.721	0.951	1.055	0.322	0.000	0.233	0.000	2.590	2.868	27.402	22.514	74.126	3.00K
2prf	512	8	16	m	9226.291	0.748	0.950	1.083	0.322	0.000	0.233	0.000	3.308	3.567	33.487	27.717	90.003	4.00K
2prf	512	9	16	m	10188.873	0.761	0.950	1.097	0.322	0.000	0.233	0.000	3.666	3.916	36.529	30.318	97.942	4.50K
2prf	1024	2	16	m	4734.387	0.685	0.967	1.066	0.322	0.000	0.233	0.000	1.310	1.382	22.258	16.023	57.835	2.00K
2prf	1024	4	16	m	7375.654	0.704	0.967	1.073	0.322	0.000	0.233	0.000	1.946	2.217	32.531	24.893	82.811	4.00K
2prf	1024	6	16	m	10016.921	0.730	0.968	1.084	0.322	0.000	0.233	0.000	2.657	3.019	42.803	33.763	107.788	6.00K
2prf	1024	8	16	m	12658.188	0.756	0.968	1.113	0.322	0.000	0.233	0.000	3.378	3.765	53.075	42.633	132.765	8.00K
2prf	1024	9	16	m	13978.822	0.769	0.968	1.127	0.322	0.000	0.233	0.000	3.738	4.138	58.212	47.068	145.253	9.00K
2prf	2048	2	16	m	7301.568	0.702	1.002	1.095	0.322	0.000	0.233	0.000	1.365	1.505	36.307	23.851	88.762	4.00K
2prf	2048	4	16	m	11375.040	0.720	1.002	1.116	0.322	0.000	0.233	0.000	2.050	2.426	54.956	40.056	131.937	8.00K
2prf	2048	6	16	m	15448.512	0.746	1.002	1.144	0.322	0.000	0.233	0.000	2.790	3.320	73.604	56.261	175.112	12.00K
2prf	2048	8	16	m	19521.984	0.773	1.002	1.174	0.322	0.000	0.233	0.000	3.518	4.162	92.253	72.466	218.287	16.00K
2prf	2048	9	16	m	21558.720	0.787	1.002	1.188	0.322	0.000	0.233	0.000	3.883	4.583	101.577	80.569	239.875	18.00K
2prf	4096	2	16	m	12435.930	0.729	1.067	1.133	0.322	0.000	0.233	0.000	1.654	1.732	64.406	39.505	150.617	8.00K
2prf	4096	4	16	m	19373.812	0.748	1.067	1.135	0.322	0.000	0.233	0.000	2.571	2.809	99.806	70.381	230.189	16.00K
2prf	4096	6	16	m	26311.694	0.774	1.067	1.151	0.322	0.000	0.233	0.000	3.538	3.860	135.207	101.257	309.761	24.00K
2prf	4096	8	16	m	32349.575	0.801	1.067	1.180	0.322	0.000	0.233	0.000	4.487	4.862	170.608	132.132	389.333	32.00K
2prf	4096	9	16	m	36718.516	0.814	1.067	1.195	0.322	0.000	0.233	0.000	4.961	5.363	188.308	147.570	429.119	36.00K
2prf	576	2	16	s	3579.647	0.686	0.952	1.072	0.322	0.000	0.233	0.000	1.285	1.332	16.026	12.582	43.979	1.12K
2prf	576	4	16	s	5576.697	0.704	0.952	1.074	0.322	0.000	0.233	0.000	1.897	2.130	22.563	18.236	60.712	2.25K
2prf	576	6	16	s	7573.747	0.730	0.953	1.081	0.322	0.000	0.233	0.000	2.593	2.894	29.099	23.891	77.445	3.38K
2prf	576	8	16	s	9570.796	0.757	0.953	1.109	0.322	0.000	0.233	0.000	3.308	3.600	35.636	29.545	94.179	4.50K
2prf	576	9	16	s	10569.321	0.770	0.953	1.123	0.322	0.000	0.233	0.000	3.666	3.953	38.904	32.373	102.545	5.08K
2prf	1024	2	16	s	4481.606	0.749	0.968	1.211	0.322	0.000	0.233	0.000	1.298	1.406	21.575	15.887	55.233	2.00K
2prf	1024	4	16	s	6391.849	0.767	0.968	1.232	0.322	0.000	0.233	0.000	1.920	2.252	31.277	24.707	77.958	4.00K
2prf	1024	6	16	s	9482.092	0.793	0.968	1.262	0.322	0.000	0.233	0.000	2.612	3.069	40.979	33.527	100.683	6.00K
2prf	1024	8	16	s	11982.335	0.820	0.968	1.292	0.322	0.000	0.233	0.000	3.313	3.632	50.681	42.347	123.408	8.00K
2prf	1024	9	16	s	13232.457	0.833	0.968	1.307	0.322	0.000	0.233	0.000	3.663	4.213	55.532	46.757	134.770	9.00K
2prf	2048	2	16	s	6796.006	0.766	1.001	1.271	0.322	0.000	0.233	0.000	1.451	1.520	34.941	23.577	83.559	4.00K
2prf	2048	4	16	s	10587.430	0.784	1.001	1.292	0.322	0.000	0.233	0.000	2.201	2.444	52.449	39.683	122.230	8.00K
2prf	2048	6	16	s	14378.854	0.807	1.001	1.321	0.322	0.000	0.233	0.000	3.011	3.340	69.957	55.788	160.902	12.00K
2prf	2048	8	16	s	18170.278	0.834	1.001	1.351	0.322	0.000	0.233	0.000	3.822	4.183	87.465	71.894	199.574	16.00K
2prf	2048	9	16	s	20065.990	0.847	1.001	1.366	0.322	0.000	0.233	0.000	4.226	4.604	96.219	79.947	218.909	18.00K
2prf	4096	2	16	s	11424.806	0.800	1.067	1.390	0.322	0.000	0.233	0.000	1.756	1.749	61.672	38.959	140.210	8.00K
2prf	4096	4	16	s	17798.592	0.817	1.067	1.411	0.322	0.000	0.233	0.000	2.761	2.829	94.792	69.635	210.775	16.00K
2prf	4096	6	16	s	24172.378	0.836	1.067	1.440	0.322	0.000	0.233	0.000	3.810	3.882	127.912	100.311	281.340	24.00K
2prf	4096	8	16	s	30546.163	0.862	1.067	1.470	0.322	0.000	0.233	0.000	4.841	4.884	161.031	130.988	351.905	32.00K
2prf	4096	9	16	s	33733.056	0.875	1.067	1.484	0.322	0.000	0.233	0.000	5.357	5.386	177.591	146.326	387.188	36.00K
2prf	8192	2	16	s	20682.407	0.978	1.225	1.403	0.322	0.000	0.233	0.000	2.316	2.205	115.135	69.722	253.513	16.00K
2prf	8192	4	16	s	32220.916	0.995	1.240	1.424	0.322	0.000	0.233	0.000	3.759	3.586	179.478	129.540	387.865	32.00K
2prf	8192	6	16	s	43759.425	1.015	1.255	1.452	0.322	0.000	0.233	0.000	5.261	4.935	243.821	189.358	522.217	48.00K
2prf	8192	8	16	s	55297.934	1.035	1.273	1.482	0.322	0.000	0.233	0.000	6.718	6.234	308.164	249.175	656.569	64.00K
2prf	8192	9	16	s	61067.188	1.045	1.282	1.496	0.322	0.000	0.233	0.000	7.446	6.884	340.336	279.084	723.745	72.00K

ss0p99v125c																		
type	word	io	mux	seg	drawing dimension area (um^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc (uA/MHz)	writec (uA/MHz)	leakage (uA)	Leakage_pd (uA)	Leakage_ffg (uA)	Total KBits
2pfr	8	2	2	f	1243.241	0.800	1.542	1.629	0.559	0.000	0.390	0.000	0.547	0.444	1.701	1.643	22.887	0.02K
2pfr	8	16	2	f	2428.935	0.844	1.542	1.629	0.559	0.000	0.390	0.000	1.324	1.082	2.440	2.266	34.483	0.12K
2pfr	8	32	2	f	3784.013	0.894	1.542	1.629	0.559	0.000	0.390	0.000	2.211	1.811	3.285	2.977	47.736	0.25K
2pfr	8	48	2	f	5139.091	0.944	1.542	1.634	0.559	0.000	0.390	0.000	3.161	2.514	4.130	3.688	60.988	0.38K
2pfr	8	64	2	f	6494.170	0.994	1.543	1.653	0.559	0.000	0.390	0.000	4.178	3.195	4.975	4.400	74.240	0.50K
2pfr	8	72	2	f	7171.709	1.020	1.544	1.667	0.559	0.000	0.390	0.000	4.701	3.531	5.397	4.755	80.866	0.56K
2pfr	16	2	2	f	1370.565	0.812	1.545	1.640	0.559	0.000	0.390	0.000	0.545	0.450	1.842	1.670	23.746	0.03K
2pfr	16	16	2	f	2677.689	0.856	1.545	1.640	0.559	0.000	0.390	0.000	1.287	1.111	2.704	2.416	36.091	0.25K
2pfr	16	32	2	f	4171.545	0.907	1.546	1.640	0.559	0.000	0.390	0.000	2.135	1.866	3.690	3.268	50.199	0.50K
2pfr	16	48	2	f	5665.401	0.956	1.546	1.640	0.559	0.000	0.390	0.000	3.041	2.597	4.676	4.120	64.307	0.75K
2pfr	16	64	2	f	7159.257	1.006	1.547	1.656	0.559	0.000	0.390	0.000	4.004	3.305	5.661	4.972	78.416	1.00K
2pfr	16	72	2	f	7906.185	1.032	1.547	1.669	0.559	0.000	0.390	0.000	4.498	3.654	6.154	5.398	85.470	1.12K
2pfr	32	2	2	f	1502.469	0.848	1.553	1.673	0.559	0.000	0.390	0.000	0.544	0.461	2.123	1.724	25.464	0.06K
2pfr	32	16	2	f	2935.391	0.892	1.553	1.673	0.559	0.000	0.390	0.000	1.250	1.167	3.232	2.716	39.306	0.50K
2pfr	32	32	2	f	4573.017	0.942	1.554	1.674	0.559	0.000	0.390	0.000	2.057	1.975	4.499	3.849	55.127	1.00K
2pfr	32	48	2	f	6210.643	0.991	1.555	1.679	0.559	0.000	0.390	0.000	2.909	2.756	5.767	4.983	70.947	1.50K
2pfr	32	64	2	f	7848.268	1.042	1.554	1.698	0.559	0.000	0.390	0.000	3.802	3.512	7.034	6.117	86.767	2.00K
2pfr	32	72	2	f	8667.081	1.068	1.554	1.711	0.559	0.000	0.390	0.000	4.257	3.885	7.668	6.683	94.677	2.25K
2pfr	64	2	2	f	1895.662	0.855	1.566	1.672	0.559	0.000	0.390	0.000	0.553	0.484	2.729	1.852	29.530	0.12K
2pfr	64	16	2	f	3703.577	0.899	1.567	1.673	0.559	0.000	0.390	0.000	1.230	1.261	4.419	3.350	48.339	1.00K
2pfr	64	32	2	f	5769.766	0.950	1.568	1.673	0.559	0.000	0.390	0.000	2.004	2.148	6.351	5.062	69.835	2.00K
2pfr	64	48	2	f	7835.955	0.999	1.568	1.681	0.559	0.000	0.390	0.000	3.012	2.823	6.774	91.330	3.00K	
2pfr	64	64	2	f	9902.144	1.049	1.568	1.699	0.559	0.000	0.390	0.000	3.659	3.849	10.214	8.486	112.826	4.00K
2pfr	64	72	2	f	10935.238	1.075	1.568	1.711	0.559	0.000	0.390	0.000	4.088	4.263	11.180	9.342	123.574	4.50K
2pfr	128	2	2	f	2682.048	0.871	1.593	1.671	0.559	0.000	0.390	0.000	0.571	0.531	3.941	2.109	37.664	0.25K
2pfr	128	16	2	f	5239.949	0.915	1.594	1.672	0.559	0.000	0.390	0.000	1.189	1.448	6.794	4.620	66.404	2.00K
2pfr	128	32	2	f	8163.264	0.965	1.594	1.672	0.559	0.000	0.390	0.000	1.896	2.495	10.054	7.488	99.251	4.00K
2pfr	128	48	2	f	11086.579	1.014	1.595	1.683	0.559	0.000	0.390	0.000	2.625	3.522	13.314	10.357	132.098	6.00K
2pfr	128	64	2	f	14009.894	1.064	1.595	1.701	0.559	0.000	0.390	0.000	3.373	4.523	16.575	13.226	164.944	8.00K
2pfr	128	72	2	f	15471.552	1.090	1.596	1.711	0.559	0.000	0.390	0.000	3.750	5.017	18.205	14.661	181.367	9.00K
2pfr	256	2	2	f	4254.820	0.899	1.649	1.691	0.559	0.000	0.390	0.000	0.610	0.603	6.365	2.624	53.930	0.50K
2pfr	256	16	2	f	8312.692	0.943	1.650	1.713	0.559	0.000	0.390	0.000	1.301	1.778	11.543	7.158	102.535	4.00K
2pfr	256	32	2	f	12950.260	0.993	1.650	1.739	0.559	0.000	0.390	0.000	2.090	3.121	17.460	12.341	158.084	8.00K
2pfr	256	48	2	f	17587.828	1.043	1.650	1.763	0.559	0.000	0.390	0.000	2.886	4.440	23.378	17.523	213.632	12.00K
2pfr	256	64	2	f	22225.396	1.093	1.651	1.787	0.559	0.000	0.390	0.000	3.693	5.733	29.296	22.706	269.181	16.00K
2pfr	256	72	2	f	24544.180	1.119	1.651	1.798	0.559	0.000	0.390	0.000	4.099	6.374	32.254	25.297	296.955	18.00K
2pfr	40	2	2	m	1568.421	0.865	1.555	1.689	0.559	0.000	0.390	0.000	0.550	0.471	2.264	1.750	26.323	0.08K
2pfr	40	16	2	m	3064.243	0.909	1.556	1.688	0.559	0.000	0.390	0.000	1.238	1.203	3.496	2.865	40.914	0.62K
2pfr	40	32	2	m	4773.753	0.959	1.557	1.690	0.559	0.000	0.390	0.000	2.025	2.039	4.904	4.140	57.590	1.25K
2pfr	40	48	2	m	6483.263	1.008	1.557	1.696	0.559	0.000	0.390	0.000	2.851	2.849	6.312	5.414	74.266	1.88K
2pfr	40	64	2	m	8192.774	1.059	1.557	1.714	0.559	0.000	0.390	0.000	3.713	3.630	7.720	6.689	90.942	2.50K
2pfr	40	72	2	m	9047.529	1.085	1.557	1.726	0.559	0.000	0.390	0.000	4.151	4.014	8.425	7.326	99.280	2.81K
2pfr	64	2	2	m	1766.277	0.916	1.564	1.738	0.559	0.000	0.390	0.000	0.566	0.503	2.686	1.831	28.899	0.12K
2pfr	64	16	2	m	3450.796	0.960	1.564	1.738	0.559	0.000	0.390	0.000	1.202	1.310	4.288	3.315	45.737	1.00K
2pfr	64	32	2	m	5375.961	1.011	1.565	1.738	0.559	0.000	0.390	0.000	1.929	2.232	6.119	5.012	64.981	2.00K
2pfr	64	48	2	m	7301.126	1.060	1.566	1.745	0.559	0.000	0.390	0.000	2.678	3.126	7.949	6.709	84.225	3.00K
2pfr	64	64	2	m	9226.291	1.110	1.566	1.762	0.559	0.000	0.390	0.000	3.445	3.982	9.780	8.406	103.469	4.00K
2pfr	64	72	2	m	10188.873	1.136	1.566	1.772	0.559	0.000	0.390	0.000	3.832	4.401	10.695	9.254	113.091	4.50K
2pfr	128	2	2	m	2423.278	0.929	1.592	1.737	0.559	0.000	0.390	0.000	0.583	0.538	3.855	3.066	36.401	0.25K
2pfr	128	16	2	m	4734.387	0.973	1.593	1.746	0.559	0.000	0.390	0.000	1.241	1.471	6.531	4.550	61.201	2.00K
2pfr	128	32	2	m	7375.654	1.023	1.594	1.755	0.559	0.000	0.390	0.000	1.994	2.537	9.589	7.388	89.544	4.00K
2pfr	128	48	2	m	10016.921	1.073	1.594	1.774	0.559	0.000	0.390	0.000	2.759	3.577	12.647	10.227	117.887	6.00K
2pfr	128	64	2	m	12558.188	1.123	1.595	1.799	0.559	0.000	0.390	0.000	3.536	4.581	15.705	13.065	146.230	8.00K
2pfr	128	72	2	m	13978.822	1.148	1.595	1.813	0.559	0.000	0.390	0.000	3.926	5.075	17.234	14.484	160.402	9.00K
2pfr	256	2	2	m	3737.280	0.955	1.648	1.735	0.559	0.000	0.390	0.000	0.618	0.610	6.194	2.537	51.404	0.50K
2pfr	256	16	2	m	7301.568	0.999	1.649	1.761	0.559	0.000	0.390	0.000	1.320	1.794	11.018	7.019	92.128	4.00K
2pfr	256	32	2	m	11375.040	1.049	1.650	1.790	0.559	0.000	0.390	0.000	2.122	3.148	16.531	12.140		

type	word	io	mux	seg	drawing dimension area (μm^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc ($\mu\text{A}/\text{MHz}$)	writec ($\mu\text{A}/\text{MHz}$)	leakage (μA)	Leakage_pd (μA)	Leakage_ffg (μA)	Total KBits
2prf	256	16	2	s	6796.006	1.139	1.648	2.040	0.559	0.000	0.390	0.000	1.385	1.864	10.755	6.549	86.925	4.00K
2prf	256	32	2	s	10587.430	1.182	1.649	2.084	0.559	0.000	0.390	0.000	2.237	3.278	16.066	12.040	128.963	8.00K
2prf	256	48	2	s	14378.854	1.224	1.649	2.128	0.559	0.000	0.390	0.000	3.090	4.668	21.377	17.131	171.001	12.00K
2prf	256	64	2	s	18170.278	1.267	1.650	2.172	0.559	0.000	0.390	0.000	3.948	6.032	26.687	22.222	213.039	16.00K
2prf	256	72	2	s	20065.990	1.289	1.651	2.194	0.559	0.000	0.390	0.000	4.379	6.709	29.343	24.768	234.058	18.00K
2prf	512	2	2	s	5847.744	1.213	1.758	2.187	0.559	0.000	0.390	0.000	0.720	0.766	10.698	3.393	78.886	1.00K
2prf	512	16	2	s	11424.806	1.237	1.759	2.225	0.559	0.000	0.390	0.000	1.669	2.484	19.465	11.816	143.576	8.00K
2prf	512	32	2	s	17798.592	1.264	1.760	2.269	0.559	0.000	0.390	0.000	2.752	4.446	29.484	21.444	217.508	16.00K
2prf	512	48	2	s	24172.378	1.291	1.760	2.313	0.559	0.000	0.390	0.000	3.824	6.378	39.502	31.071	291.440	24.00K
2prf	512	64	2	s	30546.163	1.319	1.760	2.357	0.559	0.000	0.390	0.000	4.889	8.296	49.521	40.698	365.371	32.00K
2prf	512	72	2	s	33733.056	1.333	1.760	2.379	0.559	0.000	0.390	0.000	5.421	9.254	54.530	45.512	402.337	36.00K
2prf	1024	2	2	s	10586.212	1.461	1.963	2.213	0.559	0.000	0.390	0.000	0.884	1.059	19.880	5.190	136.376	2.00K
2prf	1024	16	2	s	20682.407	1.485	1.964	2.250	0.559	0.000	0.390	0.000	2.211	3.833	36.885	21.552	256.879	16.00K
2prf	1024	32	2	s	32220.916	1.513	1.992	2.292	0.559	0.000	0.390	0.000	3.728	7.003	56.319	40.251	394.598	32.00K
2prf	1024	48	2	s	43759.425	1.540	2.029	2.335	0.559	0.000	0.390	0.000	5.179	10.136	75.754	58.950	532.316	48.00K
2prf	1024	64	2	s	55297.934	1.566	2.071	2.380	0.559	0.000	0.390	0.000	6.611	13.254	95.188	77.650	670.034	64.00K
2prf	1024	72	2	s	61067.188	1.579	2.094	2.402	0.559	0.000	0.390	0.000	7.327	14.811	104.905	86.999	738.894	72.00K
2prf	16	2	4	f	1412.626	0.839	1.542	1.628	0.559	0.000	0.390	0.000	0.633	0.535	1.786	1.710	24.073	0.03K
2prf	16	8	4	f	2428.935	0.872	1.542	1.628	0.559	0.000	0.390	0.000	1.220	1.062	2.357	2.175	32.601	0.12K
2prf	16	16	4	f	3784.013	0.915	1.541	1.628	0.559	0.000	0.390	0.000	2.003	1.766	3.120	2.796	43.971	0.25K
2prf	16	24	4	f	5139.091	0.958	1.542	1.630	0.559	0.000	0.390	0.000	2.849	2.440	3.882	3.417	55.341	0.38K
2prf	16	32	4	f	6494.170	1.003	1.543	1.647	0.559	0.000	0.390	0.000	3.754	3.084	4.644	4.038	66.711	0.50K
2prf	16	36	4	f	7171.709	1.025	1.543	1.661	0.559	0.000	0.390	0.000	4.218	3.400	5.025	4.348	72.396	0.56K
2prf	32	2	4	f	1557.397	0.852	1.545	1.640	0.559	0.000	0.390	0.000	0.626	0.540	1.944	1.754	25.039	0.06K
2prf	32	8	4	f	2677.689	0.884	1.545	1.639	0.559	0.000	0.390	0.000	1.185	1.079	2.621	2.325	34.209	0.25K
2prf	32	16	4	f	4171.545	0.926	1.545	1.639	0.559	0.000	0.390	0.000	1.931	1.797	3.524	3.087	46.434	0.50K
2prf	32	24	4	f	5665.401	0.970	1.545	1.640	0.559	0.000	0.390	0.000	2.730	2.486	4.427	3.848	58.660	0.75K
2prf	32	32	4	f	7159.257	1.014	1.546	1.652	0.559	0.000	0.390	0.000	3.577	3.145	5.330	4.610	70.886	1.00K
2prf	32	36	4	f	7906.185	1.037	1.546	1.662	0.559	0.000	0.390	0.000	4.011	3.468	5.782	4.991	76.999	1.12K
2prf	64	2	4	f	1707.172	0.887	1.553	1.673	0.559	0.000	0.390	0.000	0.621	0.552	2.261	1.843	26.971	0.12K
2prf	64	8	4	f	2935.391	0.919	1.553	1.673	0.559	0.000	0.390	0.000	1.147	1.112	3.149	3.125	37.424	0.50K
2prf	64	16	4	f	4573.017	0.962	1.553	1.672	0.559	0.000	0.390	0.000	1.849	1.860	4.334	3.668	51.362	1.00K
2prf	64	24	4	f	6210.643	1.005	1.554	1.675	0.559	0.000	0.390	0.000	2.395	2.579	5.516	4.712	65.300	1.50K
2prf	64	32	4	f	7848.268	1.050	1.555	1.692	0.559	0.000	0.390	0.000	3.380	3.266	6.703	5.755	79.237	2.00K
2prf	64	36	4	f	8667.081	1.072	1.555	1.704	0.559	0.000	0.390	0.000	3.780	3.604	7.295	6.276	86.206	2.25K
2prf	128	2	4	f	2153.936	0.895	1.566	1.672	0.559	0.000	0.390	0.000	0.626	0.577	2.950	2.044	31.747	0.25K
2prf	128	8	4	f	3703.577	0.927	1.566	1.672	0.559	0.000	0.390	0.000	1.127	1.173	4.337	3.260	46.457	1.00K
2prf	128	16	4	f	5769.766	0.970	1.567	1.672	0.559	0.000	0.390	0.000	1.795	1.968	6.185	4.881	66.070	2.00K
2prf	128	24	4	f	7835.955	1.013	1.567	1.676	0.559	0.000	0.390	0.000	2.499	2.732	8.034	6.503	85.683	3.00K
2prf	128	32	4	f	9902.144	1.057	1.568	1.693	0.559	0.000	0.390	0.000	3.235	3.466	9.883	8.125	105.297	4.00K
2prf	128	36	4	f	10935.238	1.080	1.568	1.705	0.559	0.000	0.390	0.000	3.610	3.826	10.807	8.935	115.103	4.50K
2prf	256	2	4	f	3047.462	0.910	1.593	1.671	0.559	0.000	0.390	0.000	0.636	0.628	4.328	2.445	41.299	0.50K
2prf	256	8	4	f	5239.949	0.942	1.593	1.671	0.559	0.000	0.390	0.000	1.087	1.295	4.529	64.522	2.00K	
2prf	256	16	4	f	8163.264	0.985	1.593	1.672	0.559	0.000	0.390	0.000	1.687	2.183	9.888	7.308	95.486	4.00K
2prf	256	24	4	f	11086.579	1.028	1.594	1.679	0.559	0.000	0.390	0.000	2.306	3.040	13.066	10.086	126.451	6.00K
2prf	256	32	4	f	14009.894	1.072	1.595	1.696	0.559	0.000	0.390	0.000	2.945	3.864	16.244	12.864	157.415	8.00K
2prf	256	36	4	f	15471.552	1.095	1.595	1.706	0.559	0.000	0.390	0.000	3.269	4.269	17.832	14.254	172.897	9.00K
2prf	512	2	4	f	4834.516	0.939	1.649	1.695	0.559	0.000	0.390	0.000	0.687	0.705	7.084	3.249	60.403	1.00K
2prf	512	8	4	f	8312.692	0.971	1.649	1.712	0.559	0.000	0.390	0.000	1.196	1.499	11.460	10.668	100.653	4.00K
2prf	512	16	4	f	12950.260	1.014	1.649	1.736	0.559	0.000	0.390	0.000	1.875	2.559	17.295	12.160	154.319	8.00K
2prf	512	24	4	f	17587.828	1.057	1.650	1.759	0.559	0.000	0.390	0.000	2.565	3.585	23.130	17.252	207.985	12.00K
2prf	512	32	4	f	22225.396	1.102	1.650	1.782	0.559	0.000	0.390	0.000	3.264	4.581	28.964	22.344	261.651	16.00K
2prf	512	36	4	f	24544.180	1.124	1.650	1.793	0.559	0.000	0.390	0.000	3.615	5.073	31.882	24.890	288.484	18.00K
2prf	80	2	4	m	1782.110	0.904	1.556	1.688	0.559	0.000	0.390	0.000	0.624	0.562	2.419	1.887	27.936	0.16K
2prf	80	8	4	m	3064.243	0.936	1.556	1.689	0.559	0.000	0.390	0.000	1.135	1.134	3.413	2.775	39.032	0.62K
2prf	80	16	4	m	4773.753	0.979	1.556	1.689	0.559	0.000	0.390	0.000	1.817	1.895	4.739	3.959	53.826	1.25K
2prf	80	24	4	m	6483.263	1.023	1.557	1.692	0.559	0.000	0.390	0.000	2.536	2.627	6.064	5.143</td		

type	word	io	mux	seg	drawing dimension area (μm ²)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc (uA/MHz)	writec (uA/MHz)	leakage (uA)	Leakage_pd (uA)	Leakage_ffg (uA)	Total KBits
2prf	1024	24	4	m	26311.694	1.158	1.760	1.903	0.559	0.000	0.390	0.000	3.270	4.689	40.588	31.061	314.213	24.00K
2prf	1024	32	4	m	33249.575	1.203	1.760	1.925	0.559	0.000	0.390	0.000	4.167	6.024	50.928	40.658	395.269	32.00K
2prf	1024	36	4	m	36718.516	1.225	1.759	1.936	0.559	0.000	0.390	0.000	4.617	6.684	56.099	45.457	435.797	36.00K
2prf	144	2	4	s	2081.860	0.972	1.568	1.760	0.559	0.000	0.390	0.000	0.638	0.603	3.053	2.064	31.800	0.28K
2prf	144	8	4	s	3579.647	1.004	1.568	1.764	0.559	0.000	0.390	0.000	1.104	1.221	4.469	3.375	45.463	1.12K
2prf	144	16	4	s	5576.697	1.047	1.569	1.769	0.559	0.000	0.390	0.000	1.724	2.045	6.358	5.122	63.680	2.25K
2prf	144	24	4	s	7573.747	1.091	1.569	1.779	0.559	0.000	0.390	0.000	2.364	2.834	8.246	6.869	81.898	3.38K
2prf	144	32	4	s	9570.796	1.135	1.569	1.797	0.559	0.000	0.390	0.000	3.016	3.587	10.135	8.616	100.115	4.50K
2prf	144	36	4	s	10569.321	1.157	1.570	1.809	0.559	0.000	0.390	0.000	3.344	3.956	11.079	9.490	109.224	5.06K
2prf	256	2	4	s	2606.423	1.086	1.593	1.916	0.559	0.000	0.390	0.000	0.667	0.655	4.162	2.375	38.560	0.50K
2prf	256	8	4	s	4481.606	1.118	1.593	1.949	0.559	0.000	0.390	0.000	1.136	1.354	6.317	4.424	56.717	2.00K
2prf	256	16	4	s	6981.849	1.161	1.594	1.992	0.559	0.000	0.390	0.000	1.762	2.286	9.191	7.157	80.926	4.00K
2prf	256	24	4	s	9482.092	1.204	1.594	2.036	0.559	0.000	0.390	0.000	2.402	3.184	12.065	9.890	105.135	6.00K
2prf	256	32	4	s	11982.335	1.249	1.594	2.080	0.559	0.000	0.390	0.000	3.048	4.049	14.939	12.623	129.344	8.00K
2prf	256	36	4	s	13232.457	1.271	1.594	2.102	0.559	0.000	0.390	0.000	3.372	4.475	16.377	13.989	141.449	9.00K
2prf	512	2	4	s	3952.438	1.136	1.648	2.009	0.559	0.000	0.390	0.000	0.723	0.730	6.751	3.108	54.926	1.00K
2prf	512	8	4	s	6796.006	1.164	1.648	2.041	0.559	0.000	0.390	0.000	1.279	1.549	10.672	6.858	85.043	4.00K
2prf	512	16	4	s	10587.430	1.202	1.649	2.084	0.559	0.000	0.390	0.000	2.021	2.641	15.900	11.859	125.199	8.00K
2prf	512	24	4	s	14378.854	1.240	1.649	2.128	0.559	0.000	0.390	0.000	2.771	3.699	21.128	16.860	165.354	12.00K
2prf	512	32	4	s	18170.278	1.278	1.649	2.172	0.559	0.000	0.390	0.000	3.519	4.724	26.356	21.861	205.510	16.00K
2prf	512	36	4	s	20665.990	1.298	1.649	2.194	0.559	0.000	0.390	0.000	3.892	5.230	28.970	24.361	225.588	18.00K
2prf	1024	2	4	s	6644.467	1.236	1.758	2.194	0.559	0.000	0.390	0.000	0.834	0.880	11.930	4.573	87.857	2.00K
2prf	1024	8	4	s	11424.806	1.256	1.758	2.226	0.559	0.000	0.390	0.000	1.565	1.939	19.382	11.726	141.694	8.00K
2prf	1024	16	4	s	17798.592	1.283	1.759	2.269	0.559	0.000	0.390	0.000	2.540	3.351	29.318	21.263	213.743	16.00K
2prf	1024	24	4	s	24172.378	1.310	1.759	2.313	0.559	0.000	0.390	0.000	3.507	4.731	39.254	30.799	285.793	24.00K
2prf	1024	32	4	s	30546.163	1.337	1.760	2.357	0.559	0.000	0.390	0.000	4.460	6.075	49.190	40.336	357.842	32.00K
2prf	1024	36	4	s	33733.056	1.350	1.759	2.379	0.559	0.000	0.390	0.000	4.933	6.740	54.158	45.105	393.866	36.00K
2prf	2048	2	4	s	12028.526	1.487	1.963	2.221	0.559	0.000	0.390	0.000	1.045	1.192	22.288	7.505	153.120	4.00K
2prf	2048	8	4	s	20682.407	1.507	1.964	2.251	0.559	0.000	0.390	0.000	2.079	2.762	36.802	21.462	254.997	16.00K
2prf	2048	16	4	s	32220.916	1.535	1.981	2.291	0.559	0.000	0.390	0.000	3.458	4.856	56.154	40.070	390.833	32.00K
2prf	2048	24	4	s	43725.942	1.562	2.003	2.334	0.559	0.000	0.390	0.000	4.815	6.310	75.505	58.679	526.669	48.00K
2prf	2048	32	4	s	55297.934	1.589	2.033	2.379	0.559	0.000	0.390	0.000	6.155	6.534	94.857	77.288	662.505	64.00K
2prf	2048	36	4	s	61067.168	1.602	2.051	2.402	0.559	0.000	0.390	0.000	6.821	9.941	104.533	86.592	730.423	72.00K
2prf	32	2	8	f	1751.395	0.906	1.541	1.629	0.559	0.000	0.390	0.000	0.832	0.745	1.954	1.841	26.437	0.06K
2prf	32	4	8	f	2428.935	0.925	1.541	1.629	0.559	0.000	0.390	0.000	1.209	1.095	2.313	2.127	31.642	0.12K
2prf	32	8	8	f	3784.013	0.964	1.542	1.629	0.559	0.000	0.390	0.000	1.962	1.795	3.031	2.700	42.054	0.25K
2prf	32	12	8	f	5139.091	1.004	1.542	1.628	0.559	0.000	0.390	0.000	2.775	2.468	3.749	3.272	52.466	0.38K
2prf	32	16	8	f	6494.170	1.046	1.542	1.646	0.559	0.000	0.390	0.000	3.656	3.107	4.467	3.845	62.877	0.50K
2prf	32	18	8	f	7171.709	1.066	1.542	1.656	0.559	0.000	0.390	0.000	4.105	4.323	4.826	4.131	68.083	0.56K
2prf	64	2	8	f	1930.761	0.918	1.545	1.640	0.559	0.000	0.390	0.000	0.817	0.752	2.148	1.920	27.616	0.12K
2prf	64	4	8	f	2677.689	0.938	1.545	1.639	0.559	0.000	0.390	0.000	1.174	1.107	2.577	2.277	33.250	0.25K
2prf	64	8	8	f	4171.545	0.976	1.545	1.639	0.559	0.000	0.390	0.000	1.887	1.816	3.436	2.991	44.518	0.50K
2prf	64	12	8	f	5665.401	1.016	1.545	1.639	0.559	0.000	0.390	0.000	2.658	2.499	4.295	3.704	55.785	0.75K
2prf	64	16	8	f	7159.257	1.057	1.545	1.652	0.559	0.000	0.390	0.000	3.484	3.146	5.154	4.418	67.053	1.00K
2prf	64	18	8	f	7906.185	1.078	1.545	1.661	0.559	0.000	0.390	0.000	3.903	3.466	5.583	4.774	72.687	1.12K
2prf	128	2	8	f	2116.579	0.954	1.553	1.673	0.559	0.000	0.390	0.000	0.803	0.765	2.535	2.079	29.976	0.25K
2prf	128	4	8	f	2935.391	0.973	1.553	1.673	0.559	0.000	0.390	0.000	1.139	1.129	3.105	2.577	36.466	0.50K
2prf	128	8	8	f	4573.017	1.012	1.554	1.672	0.559	0.000	0.390	0.000	1.810	1.857	4.246	3.572	49.445	1.00K
2prf	128	12	8	f	6210.643	1.052	1.554	1.673	0.559	0.000	0.390	0.000	2.533	2.556	5.386	4.567	62.425	1.50K
2prf	128	16	8	f	7848.268	1.093	1.553	1.692	0.559	0.000	0.390	0.000	3.292	3.222	6.527	5.562	75.404	2.00K
2prf	128	18	8	f	8667.081	1.113	1.553	1.704	0.559	0.000	0.390	0.000	3.675	3.551	7.097	6.060	81.894	2.25K
2prf	256	2	8	f	2670.483	0.961	1.566	1.672	0.559	0.000	0.390	0.000	0.800	0.794	3.390	2.425	36.171	0.50K
2prf	256	4	8	f	3703.577	0.981	1.566	1.672	0.559	0.000	0.390	0.000	1.119	1.173	4.292	3.212	45.498	1.00K
2prf	256	8	8	f	5769.766	1.020	1.567	1.672	0.559	0.000	0.390	0.000	2.247	2.867	12.934	9.941	123.576	6.00K
2prf	256	12	8	f	7835.955	1.059	1.567	1.674	0.559	0.000	0.390	0.000	2.437	2.660	7.902	6.359	82.808	3.00K
2prf	256	16	8	f	9902.144	1.100	1.567	1.693	0.559	0.000	0.390	0.000	3.149	3.353	9.707	7.932	101.463	4.00K
2prf	256	18	8	f	10935.238	1.121	1.567	1.705	0.559	0.000	0.390	0.000	3.508	3.695	10.609	8.719	110.791	4.50K
2prf	512	2	8	f	3778.291	0.977	1.593											

type	word	io	mux	seg	drawing dimension area (μm^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc ($\mu\text{A}/\text{MHz}$)	writec ($\mu\text{A}/\text{MHz}$)	leakage (μA)	Leakage_pd (μA)	Leakage_ffg (μA)	Total KBits
2prf	256	18	8	m	10188.873	1.183	1.565	1.768	0.559	0.000	0.390	0.000	3.251	3.711	10.124	8.631	100.308	4.50K
2prf	512	2	8	m	3413.753	1.036	1.592	1.738	0.559	0.000	0.390	0.000	0.826	0.859	4.939	3.061	45.609	1.00K
2prf	512	4	8	m	4734.387	1.055	1.592	1.743	0.559	0.000	0.390	0.000	1.133	1.269	6.404	4.411	58.360	2.00K
2prf	512	8	8	m	7375.654	1.094	1.593	1.755	0.559	0.000	0.390	0.000	1.748	2.090	9.335	7.111	83.863	4.00K
2prf	512	12	8	m	10016.921	1.134	1.593	1.770	0.559	0.000	0.390	0.000	2.380	2.874	12.267	9.811	109.365	6.00K
2prf	512	16	8	m	12658.188	1.175	1.594	1.797	0.559	0.000	0.390	0.000	3.027	3.619	15.198	12.511	134.868	8.00K
2prf	512	18	8	m	13978.822	1.196	1.594	1.812	0.559	0.000	0.390	0.000	3.352	3.986	16.663	13.861	147.619	9.00K
2prf	1024	2	8	m	5264.832	1.062	1.649	1.737	0.559	0.000	0.390	0.000	0.881	0.947	8.197	4.388	67.437	2.00K
2prf	1024	4	8	m	7301.568	1.081	1.649	1.755	0.559	0.000	0.390	0.000	1.214	1.414	10.891	6.880	89.288	4.00K
2prf	1024	8	8	m	11375.040	1.120	1.649	1.790	0.559	0.000	0.390	0.000	1.880	2.346	16.277	11.863	132.989	8.00K
2prf	1024	12	8	m	15448.512	1.160	1.649	1.832	0.559	0.000	0.390	0.000	2.550	3.246	21.663	16.846	176.690	12.00K
2prf	1024	16	8	m	19521.984	1.202	1.651	1.877	0.559	0.000	0.390	0.000	3.218	4.110	27.049	21.829	220.391	16.00K
2prf	1024	18	8	m	21558.720	1.223	1.652	1.899	0.559	0.000	0.390	0.000	3.552	4.538	29.742	24.321	242.241	18.00K
2prf	2048	2	8	m	8966.990	1.109	1.758	1.852	0.559	0.000	0.390	0.000	1.038	1.121	14.715	7.043	111.093	4.00K
2prf	2048	4	8	m	12435.930	1.128	1.758	1.862	0.559	0.000	0.390	0.000	1.474	1.692	19.863	11.818	151.142	8.00K
2prf	2048	8	8	m	19373.812	1.166	1.759	1.882	0.559	0.000	0.390	0.000	2.346	2.834	30.159	21.367	231.240	16.00K
2prf	2048	12	8	m	26311.694	1.206	1.759	1.904	0.559	0.000	0.390	0.000	3.223	3.946	40.456	30.916	311.338	24.00K
2prf	2048	16	8	m	33249.575	1.248	1.759	1.926	0.559	0.000	0.390	0.000	4.098	5.020	50.752	40.466	391.436	32.00K
2prf	2048	18	8	m	36718.516	1.268	1.760	1.937	0.559	0.000	0.390	0.000	4.535	5.553	55.900	45.240	431.485	36.00K
2prf	288	2	8	s	2581.123	1.039	1.567	1.762	0.559	0.000	0.390	0.000	0.803	0.822	3.503	2.477	35.875	0.56K
2prf	288	4	8	s	3579.647	1.058	1.568	1.765	0.559	0.000	0.390	0.000	1.098	1.210	4.425	3.327	44.505	1.12K
2prf	288	8	8	s	5576.697	1.097	1.568	1.770	0.559	0.000	0.390	0.000	1.689	1.985	6.270	5.026	61.764	2.25K
2prf	288	12	8	s	7573.747	1.137	1.569	1.777	0.559	0.000	0.390	0.000	2.302	2.721	8.114	6.725	79.023	3.38K
2prf	288	16	8	s	9570.796	1.178	1.569	1.798	0.559	0.000	0.390	0.000	2.336	3.416	9.958	8.424	96.282	4.50K
2prf	288	18	8	s	10569.321	1.199	1.569	1.810	0.559	0.000	0.390	0.000	3.255	3.759	10.881	9.273	104.912	5.06K
2prf	512	2	8	s	3231.484	1.153	1.593	1.832	0.559	0.000	0.390	0.000	0.833	0.878	4.858	3.034	44.133	1.00K
2prf	512	4	8	s	4481.606	1.173	1.593	1.852	0.559	0.000	0.390	0.000	1.134	1.299	6.273	4.376	55.759	2.00K
2prf	512	8	8	s	6981.849	1.211	1.594	1.893	0.559	0.000	0.390	0.000	1.734	2.142	9.103	7.061	79.010	4.00K
2prf	512	12	8	s	9482.092	1.251	1.593	2.037	0.559	0.000	0.390	0.000	2.353	2.949	11.933	9.745	102.260	6.00K
2prf	512	16	8	s	11982.335	1.293	1.594	2.082	0.559	0.000	0.390	0.000	2.871	3.716	14.763	12.430	125.511	8.00K
2prf	512	18	8	s	13232.457	1.314	1.594	2.104	0.559	0.000	0.390	0.000	3.278	4.095	16.178	13.773	137.136	9.00K
2prf	1024	2	8	s	4900.294	1.195	1.648	2.025	0.559	0.000	0.390	0.000	0.918	0.964	6.036	4.334	64.486	2.00K
2prf	1024	4	8	s	6796.006	1.213	1.648	2.045	0.559	0.000	0.390	0.000	1.276	1.436	10.626	8.610	84.085	4.00K
2prf	1024	8	8	s	10587.430	1.247	1.648	2.086	0.559	0.000	0.390	0.000	1.993	2.380	15.812	11.763	123.282	8.00K
2prf	1024	12	8	s	14378.554	1.283	1.648	2.130	0.559	0.000	0.390	0.000	2.721	3.291	20.996	16.715	162.479	12.00K
2prf	1024	16	8	s	18170.278	1.319	1.649	2.174	0.559	0.000	0.390	0.000	3.446	4.162	26.180	21.668	201.677	16.00K
2prf	1024	18	8	s	20665.990	1.338	1.649	2.197	0.559	0.000	0.390	0.000	3.807	4.593	28.772	24.144	221.275	18.00K
2prf	2048	2	8	s	8237.914	1.279	1.758	2.210	0.559	0.000	0.390	0.000	1.087	1.135	14.392	6.934	105.190	4.00K
2prf	2048	4	8	s	11424.806	1.292	1.758	2.231	0.559	0.000	0.390	0.000	1.562	1.709	19.338	11.678	140.736	8.00K
2prf	2048	8	8	s	17798.592	1.319	1.758	2.271	0.559	0.000	0.390	0.000	2.512	2.857	29.230	21.166	211.827	16.00K
2prf	2048	12	8	s	24172.378	1.345	1.758	2.315	0.559	0.000	0.390	0.000	3.458	3.974	39.122	30.655	282.918	24.00K
2prf	2048	16	8	s	30546.163	1.372	1.759	2.359	0.559	0.000	0.390	0.000	4.397	5.053	49.013	40.144	354.008	32.00K
2prf	2048	18	8	s	33733.056	1.386	1.760	2.381	0.559	0.000	0.390	0.000	4.866	5.588	53.959	44.888	389.554	36.00K
2prf	4096	2	8	s	14913.153	1.533	1.963	2.236	0.559	0.000	0.390	0.000	1.391	1.489	27.104	12.133	186.600	8.00K
2prf	4096	4	8	s	20682.407	1.546	1.963	2.255	0.559	0.000	0.390	0.000	2.060	2.271	36.758	21.413	254.039	16.00K
2prf	4096	8	8	s	32220.916	1.573	1.964	2.293	0.559	0.000	0.390	0.000	3.398	4.036	56.065	39.974	388.916	32.00K
2prf	4096	12	8	s	43759.425	1.600	1.964	2.336	0.559	0.000	0.390	0.000	4.737	5.374	58.535	53.794	48.00K	8.00K
2prf	4096	16	8	s	55297.934	1.627	1.966	2.381	0.559	0.000	0.390	0.000	6.061	6.867	94.680	77.095	658.672	64.00K
2prf	4096	18	8	s	61067.188	1.642	1.967	2.404	0.559	0.000	0.390	0.000	6.720	7.608	104.334	86.375	726.111	72.00K
2prf	64	2	16	f	2428.935	1.039	1.545	1.628	0.559	0.000	0.390	0.000	1.193	1.094	2.289	2.100	31.117	0.12K
2prf	64	4	16	f	3784.013	1.068	1.545	1.627	0.559	0.000	0.390	0.000	1.866	1.771	2.983	2.646	41.003	0.25K
2prf	64	6	16	f	5139.091	1.108	1.544	1.628	0.559	0.000	0.390	0.000	2.653	2.424	3.676	3.192	50.888	0.38K
2prf	64	8	16	f	6494.170	1.148	1.544	1.643	0.559	0.000	0.390	0.000	3.499	3.038	4.370	3.738	60.774	0.50K
2prf	64	9	16	f	7171.709	1.168	1.544	1.650	0.559	0.000	0.390	0.000	3.922	3.344	4.716	4.011	65.717	0.56K
2prf	128	2	16	f	2677.689	1.051	1.548	1.639	0.559	0.000	0.390	0.000	1.158	1.103	2.553	2.250	32.724	0.25K
2prf	128	4	16	f	4171.545	1.081	1.549	1.638	0.559	0.000	0.390	0.000	1.790	1.787	3.387	2.937	43.466	0.50K
2prf	128	6	16	f	5665.401	1.120	1.548	1.639	0.									

type	word	io	mux	seg	drawing dimension area (μm^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc ($\mu\text{A}/\text{MHz}$)	writec ($\mu\text{A}/\text{MHz}$)	leakage (μA)	Leakage_pd (μA)	Leakage_ffg (μA)	Total KBits
Zprf	320	4	16	m	4773.753	1.133	1.559	1.688	0.559	0.000	0.390	0.000	1.687	1.836	4.602	3.809	50.857	1.25K
Zprf	320	6	16	m	6483.263	1.173	1.559	1.689	0.559	0.000	0.390	0.000	2.346	2.511	5.858	4.918	64.167	1.88K
Zprf	320	8	16	m	8192.774	1.213	1.559	1.703	0.559	0.000	0.390	0.000	3.038	3.144	7.115	6.027	77.477	2.50K
Zprf	320	9	16	m	9047.529	1.233	1.559	1.711	0.559	0.000	0.390	0.000	3.385	3.461	7.744	6.582	84.131	2.81K
Zprf	512	2	16	m	3450.796	1.155	1.567	1.736	0.559	0.000	0.390	0.000	1.081	1.179	4.137	3.150	42.371	1.00K
Zprf	512	4	16	m	5375.961	1.185	1.568	1.736	0.559	0.000	0.390	0.000	1.587	1.898	5.816	4.681	58.248	2.00K
Zprf	512	6	16	m	7301.126	1.225	1.567	1.737	0.559	0.000	0.390	0.000	2.170	2.583	7.495	6.213	74.126	3.00K
Zprf	512	8	16	m	9226.291	1.264	1.567	1.750	0.559	0.000	0.390	0.000	2.765	3.219	9.174	7.744	90.003	4.00K
Zprf	512	9	16	m	10188.873	1.284	1.568	1.757	0.559	0.000	0.390	0.000	3.062	3.536	10.014	8.510	97.942	4.50K
Zprf	1024	2	16	m	4734.387	1.169	1.595	1.743	0.559	0.000	0.390	0.000	1.120	1.235	6.380	4.384	57.835	2.00K
Zprf	1024	4	16	m	7375.654	1.198	1.595	1.753	0.559	0.000	0.390	0.000	1.658	1.994	9.287	7.057	82.811	4.00K
Zprf	1024	6	16	m	10016.921	1.238	1.595	1.768	0.559	0.000	0.390	0.000	2.263	2.724	12.193	9.730	107.788	6.00K
Zprf	1024	8	16	m	12658.188	1.278	1.595	1.792	0.559	0.000	0.390	0.000	2.872	3.404	15.100	12.403	132.765	8.00K
Zprf	1024	9	16	m	13978.822	1.298	1.595	1.804	0.559	0.000	0.390	0.000	3.176	3.744	16.553	13.740	145.253	9.00K
Zprf	2048	2	16	m	7301.568	1.195	1.651	1.756	0.559	0.000	0.390	0.000	1.196	1.348	10.866	6.853	88.762	4.00K
Zprf	2048	4	16	m	11375.040	1.225	1.651	1.788	0.559	0.000	0.390	0.000	1.800	2.187	16.228	11.809	131.937	8.00K
Zprf	2048	6	16	m	15448.512	1.264	1.651	1.831	0.559	0.000	0.390	0.000	2.450	3.004	21.590	16.765	175.112	12.00K
Zprf	2048	8	16	m	19521.984	1.304	1.651	1.876	0.559	0.000	0.390	0.000	3.086	3.774	26.951	21.722	218.287	16.00K
Zprf	2048	9	16	m	21558.720	1.325	1.651	1.894	0.559	0.000	0.390	0.000	3.405	4.159	29.632	24.200	239.875	18.00K
Zprf	4096	2	16	m	12435.930	1.242	1.760	1.865	0.559	0.000	0.390	0.000	1.455	1.561	19.839	11.791	150.617	8.00K
Zprf	4096	4	16	m	19373.832	1.271	1.760	1.870	0.559	0.000	0.390	0.000	2.267	2.546	30.111	21.313	230.189	16.00K
Zprf	4096	6	16	m	26311.694	1.311	1.759	1.894	0.559	0.000	0.390	0.000	3.124	3.511	40.383	30.836	309.761	24.00K
Zprf	4096	9	16	m	33249.575	1.351	1.759	1.916	0.559	0.000	0.390	0.000	3.967	4.431	50.654	40.358	389.333	32.00K
Zprf	4096	12	16	s	36718.516	1.371	1.759	1.927	0.559	0.000	0.390	0.000	4.388	4.891	55.790	45.120	429.119	36.00K
Zprf	576	2	16	s	3579.647	1.171	1.570	1.764	0.559	0.000	0.390	0.000	1.086	1.189	4.401	3.300	43.979	1.12K
Zprf	576	4	16	s	5576.697	1.201	1.571	1.768	0.559	0.000	0.390	0.000	1.594	1.914	6.222	4.972	60.712	2.25K
Zprf	576	6	16	s	7573.747	1.241	1.571	1.774	0.559	0.000	0.390	0.000	2.179	2.607	8.041	6.644	77.445	3.38K
Zprf	576	8	16	s	9570.796	1.280	1.571	1.792	0.559	0.000	0.390	0.000	2.773	3.250	9.861	8.316	94.179	4.50K
Zprf	576	9	16	s	10569.321	1.300	1.571	1.801	0.559	0.000	0.390	0.000	3.070	3.571	10.771	9.153	102.545	5.08K
Zprf	1024	2	16	s	4481.606	1.286	1.595	1.899	0.559	0.000	0.390	0.000	1.114	1.256	6.249	4.349	55.233	2.00K
Zprf	1024	4	16	s	6391.849	1.315	1.596	1.992	0.559	0.000	0.390	0.000	1.645	2.027	9.054	7.007	77.958	4.00K
Zprf	1024	6	16	s	9482.052	1.354	1.596	2.036	0.559	0.000	0.390	0.000	2.241	2.771	11.860	9.665	100.683	6.00K
Zprf	1024	8	16	s	11982.335	1.395	1.596	2.082	0.559	0.000	0.390	0.000	2.830	3.467	14.665	12.323	123.408	8.00K
Zprf	1024	9	16	s	13232.457	1.415	1.596	2.105	0.559	0.000	0.390	0.000	3.125	3.815	16.068	13.652	134.770	9.00K
Zprf	2048	2	16	s	6796.006	1.310	1.650	2.052	0.559	0.000	0.390	0.000	1.257	1.362	10.604	8.783	83.559	4.00K
Zprf	2048	4	16	s	10587.430	1.337	1.651	2.085	0.559	0.000	0.390	0.000	1.908	2.206	15.763	11.709	122.230	8.00K
Zprf	2048	6	16	s	14378.854	1.377	1.650	2.128	0.559	0.000	0.390	0.000	2.613	3.025	20.923	16.635	160.902	12.00K
Zprf	2048	8	16	s	18170.278	1.418	1.650	2.173	0.559	0.000	0.390	0.000	3.308	3.796	26.082	21.561	199.574	16.00K
Zprf	2048	9	16	s	20065.990	1.438	1.650	2.196	0.559	0.000	0.390	0.000	3.656	4.182	28.662	24.024	218.909	18.00K
Zprf	4096	2	16	s	11424.806	1.359	1.759	2.237	0.559	0.000	0.390	0.000	1.544	1.575	19.314	11.651	140.210	8.00K
Zprf	4096	4	16	s	17798.592	1.383	1.759	2.270	0.559	0.000	0.390	0.000	2.433	2.566	29.181	21.113	210.775	16.00K
Zprf	4096	6	16	s	24172.378	1.423	1.759	2.312	0.559	0.000	0.390	0.000	3.357	3.532	39.048	30.575	281.340	24.00K
Zprf	4096	8	16	s	30546.163	1.463	1.759	2.356	0.559	0.000	0.390	0.000	4.263	4.455	48.916	40.036	351.905	32.00K
Zprf	4096	9	16	s	33733.056	1.484	1.760	2.378	0.559	0.000	0.390	0.000	4.716	4.917	53.849	44.767	387.188	36.00K
Zprf	8192	2	16	s	20682.407	1.616	1.962	2.261	0.559	0.000	0.390	0.000	2.036	2.003	36.733	21.387	253.513	16.00K
Zprf	8192	4	16	s	32220.916	1.640	1.962	2.293	0.559	0.000	0.390	0.000	3.312	3.283	56.017	39.920	387.865	32.00K
Zprf	8192	6	16	s	43759.425	1.667	1.963	2.333	0.559	0.000	0.390	0.000	4.620	4.536	75.300	58.454	522.217	48.00K
Zprf	8192	8	16	s	55297.934	1.695	1.963	2.378	0.559	0.000	0.390	0.000	5.914	5.748	94.583	76.988	656.569	64.00K
Zprf	8192	9	16	s	61067.188	1.708	1.969	2.401	0.559	0.000	0.390	0.000	6.561	6.354	104.224	86.255	723.745	72.00K

ss0p99v0c																	Total KBits	
type	word	io	mux	seg	drawing dimension area (um^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc (uA/MHz)	writec (uA/MHz)	leakage (uA)	Leakage_pd (uA)	Leakage_ffg (uA)	Total KBits
2prf	8	2	2	f	1243.241	0.887	1.694	1.783	0.612	0.000	0.409	0.000	0.526	0.430	0.020	0.017	22.887	0.02K
2prf	8	16	2	f	2428.935	0.934	1.694	1.782	0.612	0.000	0.409	0.000	1.272	1.061	0.029	0.024	34.483	0.12K
2prf	8	32	2	f	3784.013	0.989	1.694	1.782	0.612	0.000	0.409	0.000	2.125	1.782	0.038	0.033	47.736	0.25K
2prf	8	48	2	f	5139.091	1.044	1.695	1.782	0.612	0.000	0.409	0.000	3.057	2.472	0.048	0.041	60.988	0.38K
2prf	8	64	2	f	6494.170	1.099	1.696	1.791	0.612	0.000	0.409	0.000	4.061	3.137	0.058	0.050	74.240	0.50K
2prf	8	72	2	f	7171.709	1.127	1.696	1.798	0.612	0.000	0.409	0.000	4.577	3.465	0.062	0.054	80.866	0.56K
2prf	16	2	2	f	1370.565	0.901	1.697	1.795	0.612	0.000	0.409	0.000	0.525	0.437	0.021	0.018	23.746	0.03K
2prf	16	16	2	f	2677.689	0.948	1.697	1.795	0.612	0.000	0.409	0.000	1.238	1.090	0.032	0.027	36.091	0.25K
2prf	16	32	2	f	4171.545	1.002	1.697	1.794	0.612	0.000	0.409	0.000	2.052	1.837	0.044	0.038	50.199	0.50K
2prf	16	48	2	f	5665.401	1.057	1.698	1.795	0.612	0.000	0.409	0.000	2.931	2.553	0.057	0.050	64.307	0.75K
2prf	16	64	2	f	7159.257	1.113	1.699	1.798	0.612	0.000	0.409	0.000	3.868	3.245	0.069	0.061	78.416	1.00K
2prf	16	72	2	f	7906.185	1.141	1.700	1.799	0.612	0.000	0.409	0.000	4.348	3.586	0.075	0.066	85.470	1.12K
2prf	32	2	2	f	1502.469	0.941	1.704	1.834	0.612	0.000	0.409	0.000	0.527	0.449	0.023	0.019	25.464	0.06K
2prf	32	16	2	f	2935.391	0.988	1.704	1.833	0.612	0.000	0.409	0.000	1.195	1.148	0.039	0.033	39.306	0.50K
2prf	32	32	2	f	4573.017	1.043	1.703	1.833	0.612	0.000	0.409	0.000	1.960	1.946	0.056	0.049	55.127	1.00K
2prf	32	48	2	f	6210.643	1.098	1.704	1.834	0.612	0.000	0.409	0.000	2.782	2.714	0.074	0.066	70.947	1.50K
2prf	32	64	2	f	7848.268	1.153	1.705	1.836	0.612	0.000	0.409	0.000	3.644	3.455	0.091	0.082	86.767	2.00K
2prf	32	72	2	f	8667.081	1.181	1.705	1.837	0.612	0.000	0.409	0.000	4.082	3.820	0.100	0.090	94.677	2.25K
2prf	64	2	2	f	1895.662	0.949	1.717	1.833	0.612	0.000	0.409	0.000	0.535	0.472	0.027	0.021	29.530	0.12K
2prf	64	16	2	f	3703.577	0.996	1.717	1.833	0.612	0.000	0.409	0.000	1.177	1.240	0.052	0.045	48.339	1.00K
2prf	64	32	2	f	5769.766	1.051	1.717	1.833	0.612	0.000	0.409	0.000	1.909	2.118	0.081	0.072	69.835	2.00K
2prf	64	48	2	f	7835.955	1.105	1.718	1.834	0.612	0.000	0.409	0.000	2.685	2.966	0.110	0.099	91.330	3.00K
2prf	64	64	2	f	9902.144	1.161	1.719	1.835	0.612	0.000	0.409	0.000	3.492	3.784	0.139	0.126	112.826	4.00K
2prf	64	72	2	f	10935.238	1.189	1.719	1.836	0.612	0.000	0.409	0.000	3.901	4.187	0.153	0.140	123.574	4.50K
2prf	128	2	2	f	2682.048	0.965	1.745	1.833	0.612	0.000	0.409	0.000	0.553	0.517	0.035	0.027	37.664	0.25K
2prf	128	16	2	f	5239.949	1.012	1.745	1.832	0.612	0.000	0.409	0.000	1.139	1.424	0.080	0.069	66.404	2.00K
2prf	128	32	2	f	8163.264	1.066	1.744	1.832	0.612	0.000	0.409	0.000	1.808	2.460	0.131	0.118	99.251	4.00K
2prf	128	48	2	f	11086.579	1.121	1.746	1.833	0.612	0.000	0.409	0.000	2.491	3.469	0.183	0.166	132.098	6.00K
2prf	128	64	2	f	14009.894	1.177	1.747	1.834	0.612	0.000	0.409	0.000	3.188	4.442	0.234	0.214	164.944	8.00K
2prf	128	72	2	f	15471.552	1.205	1.747	1.833	0.612	0.000	0.409	0.000	3.539	4.924	0.260	0.239	181.367	9.00K
2prf	256	2	2	f	4254.820	0.996	1.803	1.832	0.612	0.000	0.409	0.000	0.593	0.585	0.051	0.037	53.930	0.50K
2prf	256	16	2	f	8312.692	1.043	1.803	1.847	0.612	0.000	0.409	0.000	1.263	1.748	0.136	0.117	102.535	4.00K
2prf	256	32	2	f	12950.260	1.098	1.803	1.864	0.612	0.000	0.409	0.000	2.028	3.074	0.232	0.208	158.084	8.00K
2prf	256	48	2	f	17587.828	1.153	1.803	1.887	0.612	0.000	0.409	0.000	2.799	4.370	0.328	0.300	213.632	12.00K
2prf	256	64	2	f	22225.396	1.209	1.805	1.912	0.612	0.000	0.409	0.000	3.575	5.638	0.425	0.391	269.181	16.00K
2prf	256	72	2	f	24544.180	1.237	1.806	1.925	0.612	0.000	0.409	0.000	3.963	6.267	0.473	0.436	296.955	18.00K
2prf	40	2	2	m	1568.421	0.960	1.707	1.852	0.612	0.000	0.409	0.000	0.531	0.459	0.024	0.019	26.323	0.08K
2prf	40	16	2	m	3064.243	1.008	1.707	1.852	0.612	0.000	0.409	0.000	1.180	1.182	0.042	0.036	40.914	0.62K
2prf	40	32	2	m	4773.753	1.063	1.707	1.852	0.612	0.000	0.409	0.000	1.922	2.008	0.062	0.055	57.590	1.25K
2prf	40	48	2	m	6483.263	1.117	1.707	1.853	0.612	0.000	0.409	0.000	2.714	2.802	0.082	0.074	74.266	1.88K
2prf	40	64	2	m	8192.774	1.173	1.708	1.854	0.612	0.000	0.409	0.000	3.542	3.568	0.102	0.093	90.942	2.50K
2prf	40	72	2	m	9047.529	1.201	1.708	1.855	0.612	0.000	0.409	0.000	3.961	3.946	0.112	0.103	99.280	2.81K
2prf	64	2	2	m	1766.277	1.019	1.716	1.909	0.612	0.000	0.409	0.000	0.546	0.489	0.027	0.021	28.899	0.12K
2prf	64	16	2	m	3450.796	1.067	1.716	1.908	0.612	0.000	0.409	0.000	1.135	1.285	0.051	0.045	45.737	1.00K
2prf	64	32	2	m	5375.961	1.121	1.717	1.907	0.612	0.000	0.409	0.000	1.809	2.195	0.079	0.072	64.981	2.00K
2prf	64	48	2	m	7301.126	1.176	1.717	1.908	0.612	0.000	0.409	0.000	2.511	3.066	0.107	0.099	84.225	3.00K
2prf	64	64	2	m	9226.291	1.232	1.719	1.909	0.612	0.000	0.409	0.000	3.235	3.908	0.135	0.125	103.469	4.00K
2prf	64	72	2	m	10188.873	1.260	1.719	1.910	0.612	0.000	0.409	0.000	3.601	4.324	0.149	0.139	113.091	4.50K
2prf	128	2	2	m	2423.278	1.033	1.745	1.909	0.612	0.000	0.409	0.000	0.564	0.524	0.035	0.026	36.401	0.25K
2prf	128	16	2	m	4734.387	1.081	1.745	1.909	0.612	0.000	0.409	0.000	1.187	1.445	0.078	0.068	61.201	2.00K
2prf	128	32	2	m	7375.654	1.135	1.745	1.909	0.612	0.000	0.409	0.000	1.899	2.496	0.128	0.116	89.544	4.00K
2prf	128	48	2	m	10016.921	1.190	1.746	1.920	0.612	0.000	0.409	0.000	2.631	3.512	0.178	0.165	117.887	6.00K
2prf	128	64	2	m	12558.188	1.246	1.747	1.936	0.612	0.000	0.409	0.000	3.375	4.499	0.228	0.213	146.230	8.00K
2prf	128	72	2	m	13978.822	1.274	1.748	1.944	0.612	0.000	0.409	0.000	3.748	4.988	0.252	0.237	160.402	9.00K
2prf	256	2	2	m	3737.280	1.060	1.802	1.908	0.612	0.000	0.409	0.000	0.601	0.594	0.050	0.036	51.404	0.50K
2prf	256	16	2	m	7301.568	1.108	1.802	1.910	0.612	0.000	0.409	0.000	1.291	1.763	0.132	0.116	92.128	4.00K
2prf	256	32	2	m	11375.040	1.162	1.802	1.912	0.612	0.000	0.409	0.000	2.078	3.099	0.225	0.206	138.670	8.00K
2prf</																		

type	word	io	mux	seg	drawing dimension area (μm^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc ($\mu\text{A}/\text{MHz}$)	writec ($\mu\text{A}/\text{MHz}$)	leakage (μA)	Leakage_pd (μA)	Leakage_ffg (μA)	Total KBits
2prf	256	16	2	s	6796.006	1.281	1.802	2.178	0.612	0.000	0.409	0.000	1.346	1.831	0.130	0.115	86.925	4.00K
2prf	256	32	2	s	10587.430	1.326	1.802	2.218	0.612	0.000	0.409	0.000	2.174	3.223	0.222	0.205	128.963	8.00K
2prf	256	48	2	s	14378.854	1.373	1.804	2.263	0.612	0.000	0.409	0.000	3.007	4.589	0.313	0.295	171.001	12.00K
2prf	256	64	2	s	18170.278	1.419	1.805	2.308	0.612	0.000	0.409	0.000	3.835	5.925	0.405	0.385	213.039	16.00K
2prf	256	72	2	s	20065.990	1.442	1.805	2.331	0.612	0.000	0.409	0.000	4.248	6.587	0.451	0.430	234.058	18.00K
2prf	512	2	2	s	5847.744	1.382	1.917	2.319	0.612	0.000	0.409	0.000	0.703	0.749	0.080	0.056	78.886	1.00K
2prf	512	16	2	s	11424.806	1.407	1.917	2.360	0.612	0.000	0.409	0.000	1.637	2.442	0.235	0.208	143.576	8.00K
2prf	512	32	2	s	17798.592	1.435	1.918	2.406	0.612	0.000	0.409	0.000	2.704	4.376	0.412	0.383	217.508	16.00K
2prf	512	48	2	s	24172.378	1.463	1.919	2.452	0.612	0.000	0.409	0.000	3.766	6.288	0.590	0.558	291.440	24.00K
2prf	512	64	2	s	30546.163	1.491	1.920	2.499	0.612	0.000	0.409	0.000	4.811	8.177	0.767	0.732	365.371	32.00K
2prf	512	72	2	s	33733.056	1.505	1.920	2.523	0.612	0.000	0.409	0.000	5.329	9.117	0.856	0.820	402.337	36.00K
2prf	1024	2	2	s	10586.212	1.636	2.140	2.351	0.612	0.000	0.409	0.000	0.861	1.038	0.140	0.095	136.376	2.00K
2prf	1024	16	2	s	20682.407	1.661	2.140	2.389	0.612	0.000	0.409	0.000	2.148	3.772	0.445	0.396	256.879	16.00K
2prf	1024	32	2	s	32220.916	1.690	2.140	2.433	0.612	0.000	0.409	0.000	3.619	6.895	0.794	0.739	394.598	32.00K
2prf	1024	48	2	s	43759.425	1.717	2.141	2.478	0.612	0.000	0.409	0.000	5.050	9.984	1.143	1.083	532.316	48.00K
2prf	1024	64	2	s	55297.934	1.744	2.142	2.526	0.612	0.000	0.409	0.000	6.467	13.028	1.491	1.426	670.034	64.00K
2prf	1024	72	2	s	61067.188	1.758	2.163	2.550	0.612	0.000	0.409	0.000	7.175	14.540	1.666	1.598	738.894	72.00K
2prf	16	2	4	f	1412.626	0.933	1.695	1.783	0.612	0.000	0.409	0.000	0.607	0.522	0.021	0.018	24.073	0.03K
2prf	16	8	4	f	2428.935	0.969	1.695	1.782	0.612	0.000	0.409	0.000	1.173	1.049	0.028	0.023	32.601	0.12K
2prf	16	16	4	f	3784.013	1.015	1.694	1.780	0.612	0.000	0.409	0.000	1.928	1.753	0.036	0.031	43.971	0.25K
2prf	16	24	4	f	5139.091	1.063	1.694	1.781	0.612	0.000	0.409	0.000	2.753	2.419	0.045	0.038	55.341	0.38K
2prf	16	32	4	f	6494.170	1.112	1.695	1.787	0.612	0.000	0.409	0.000	3.647	3.051	0.054	0.046	66.711	0.50K
2prf	16	36	4	f	7171.709	1.136	1.695	1.790	0.612	0.000	0.409	0.000	4.107	3.360	0.058	0.050	72.396	0.56K
2prf	32	2	4	f	1557.397	0.947	1.698	1.795	0.612	0.000	0.409	0.000	0.601	0.528	0.023	0.019	25.039	0.06K
2prf	32	8	4	f	2677.689	0.983	1.697	1.795	0.612	0.000	0.409	0.000	1.137	1.067	0.031	0.026	34.209	0.25K
2prf	32	16	4	f	4171.545	1.030	1.697	1.794	0.612	0.000	0.409	0.000	1.851	1.786	0.042	0.036	46.434	0.50K
2prf	32	24	4	f	5665.401	1.077	1.696	1.794	0.612	0.000	0.409	0.000	2.630	2.465	0.054	0.046	58.660	0.75K
2prf	32	32	4	f	7159.257	1.125	1.697	1.795	0.612	0.000	0.409	0.000	3.459	3.111	0.065	0.057	70.886	1.00K
2prf	32	36	4	f	7906.185	1.150	1.698	1.796	0.612	0.000	0.409	0.000	3.883	3.428	0.070	0.062	76.999	1.12K
2prf	64	2	4	f	1707.172	0.987	1.704	1.834	0.612	0.000	0.409	0.000	0.598	0.542	0.025	0.021	26.971	0.12K
2prf	64	8	4	f	2935.391	1.023	1.703	1.833	0.612	0.000	0.409	0.000	1.097	1.102	0.038	0.032	37.424	0.50K
2prf	64	16	4	f	4573.017	1.070	1.703	1.833	0.612	0.000	0.409	0.000	1.762	1.848	0.054	0.047	51.362	1.00K
2prf	64	24	4	f	6210.643	1.117	1.703	1.832	0.612	0.000	0.409	0.000	2.475	2.558	0.071	0.063	65.300	1.50K
2prf	64	32	4	f	7848.268	1.166	1.704	1.833	0.612	0.000	0.409	0.000	3.239	3.231	0.087	0.078	79.237	2.00K
2prf	64	36	4	f	8667.081	1.190	1.705	1.834	0.612	0.000	0.409	0.000	3.631	3.560	0.095	0.086	86.206	2.25K
2prf	128	2	4	f	2153.936	0.995	1.718	1.833	0.612	0.000	0.409	0.000	0.604	0.567	0.031	0.025	31.747	0.25K
2prf	128	8	4	f	3703.577	1.031	1.717	1.832	0.612	0.000	0.409	0.000	1.077	1.162	0.051	0.044	46.457	1.00K
2prf	128	16	4	f	5769.766	1.078	1.717	1.831	0.612	0.000	0.409	0.000	1.708	1.955	0.079	0.070	66.070	2.00K
2prf	128	24	4	f	7835.955	1.125	1.717	1.832	0.612	0.000	0.409	0.000	2.375	2.710	0.107	0.096	85.683	3.00K
2prf	128	32	4	f	9902.144	1.174	1.718	1.833	0.612	0.000	0.409	0.000	3.082	3.427	0.135	0.122	105.297	4.00K
2prf	128	36	4	f	10935.238	1.198	1.719	1.833	0.612	0.000	0.409	0.000	3.444	3.777	0.149	0.135	115.103	4.50K
2prf	256	2	4	f	3047.462	1.011	1.745	1.833	0.612	0.000	0.409	0.000	0.614	0.516	0.041	0.033	41.299	0.50K
2prf	256	8	4	f	5239.949	1.047	1.745	1.832	0.612	0.000	0.409	0.000	1.036	1.281	0.079	0.068	64.522	2.00K
2prf	256	16	4	f	8163.264	1.094	1.744	1.831	0.612	0.000	0.409	0.000	1.599	2.168	0.130	0.116	95.486	4.00K
2prf	256	24	4	f	11086.579	1.141	1.745	1.831	0.612	0.000	0.409	0.000	2.176	3.015	0.180	0.163	126.451	6.00K
2prf	256	32	4	f	14009.894	1.190	1.746	1.833	0.612	0.000	0.409	0.000	2.769	3.819	0.230	0.210	157.415	8.00K
2prf	256	36	4	f	15471.552	1.214	1.746	1.833	0.612	0.000	0.409	0.000	3.068	4.212	0.255	0.234	172.897	9.00K
2prf	512	2	4	f	4834.516	1.043	1.803	1.832	0.612	0.000	0.409	0.000	0.668	0.692	0.063	0.049	60.403	1.00K
2prf	512	8	4	f	8312.692	1.078	1.803	1.844	0.612	0.000	0.409	0.000	1.163	1.484	0.135	0.116	100.653	4.00K
2prf	512	16	4	f	12950.260	1.125	1.802	1.860	0.612	0.000	0.409	0.000	1.824	2.539	0.230	0.206	154.319	8.00K
2prf	512	24	4	f	17587.828	1.173	1.803	1.884	0.612	0.000	0.409	0.000	2.489	3.553	0.325	0.296	207.985	12.00K
2prf	512	32	4	f	22225.396	1.222	1.803	1.909	0.612	0.000	0.409	0.000	3.155	4.530	0.421	0.387	261.651	16.00K
2prf	512	36	4	f	24544.180	1.247	1.803	1.921	0.612	0.000	0.409	0.000	3.489	5.011	0.469	0.432	288.484	18.00K
2prf	80	2	4	m	1782.110	1.007	1.707	1.852	0.612	0.000	0.409	0.000	1.033	1.188	0.050	0.044	43.855	1.00K
2prf	80	8	4	m	3064.243	1.042	1.707	1.852	0.612	0.000	0.409	0.000	1.601	1.993	0.077	0.070	61.217	2.00K
2prf	80	16	4	m	4773.753	1.089	1.706	1.851	0.612	0.000	0.409	0.000	2.172	1.882	0.060	0.053	53.826	1.25K
2prf	80	24	4	m	6483.263	1.137	1.706	1.851	0.612	0.000	0.409	0.000	2.403	2.603	0.079	0.071	68.619	1.88K
2prf	80</td																	

type	word	io	mux	seg	drawing dimension area (μm ²)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc (uA/MHz)	writec (uA/MHz)	leakage (uA)	Leakage_pd (uA)	Leakage_ffg (uA)	Total KBits
2prf	1024	24	4	m	26311.694	1.289	1.918	2.032	0.612	0.000	0.409	0.000	3.216	4.639	0.597	0.558	314.213	24.00K
2prf	1024	32	4	m	33249.575	1.338	1.919	2.057	0.612	0.000	0.409	0.000	4.097	5.961	0.776	0.732	395.269	32.00K
2prf	1024	36	4	m	36718.516	1.362	1.919	2.070	0.612	0.000	0.409	0.000	4.538	6.617	0.866	0.819	435.797	36.00K
2prf	144	2	4	s	2081.860	1.085	1.721	1.927	0.612	0.000	0.409	0.000	0.613	0.592	0.031	0.025	31.800	0.28K
2prf	144	8	4	s	3579.647	1.120	1.721	1.930	0.612	0.000	0.409	0.000	1.042	1.207	0.054	0.047	45.463	1.12K
2prf	144	16	4	s	5576.697	1.167	1.720	1.934	0.612	0.000	0.409	0.000	1.614	2.027	0.083	0.075	63.680	2.25K
2prf	144	24	4	s	7573.747	1.214	1.720	1.940	0.612	0.000	0.409	0.000	2.204	2.802	0.113	0.104	81.898	3.38K
2prf	144	32	4	s	9570.796	1.263	1.721	1.946	0.612	0.000	0.409	0.000	2.816	3.532	0.143	0.132	100.115	4.50K
2prf	144	36	4	s	10569.321	1.288	1.721	1.950	0.612	0.000	0.409	0.000	3.128	3.889	0.157	0.146	109.224	5.06K
2prf	256	2	4	s	2606.423	1.217	1.744	2.054	0.612	0.000	0.409	0.000	0.648	0.642	0.040	0.032	38.560	0.50K
2prf	256	8	4	s	4481.606	1.252	1.744	2.083	0.612	0.000	0.409	0.000	1.101	1.336	0.076	0.067	56.717	2.00K
2prf	256	16	4	s	6981.849	1.299	1.744	2.122	0.612	0.000	0.409	0.000	1.705	2.262	0.124	0.114	80.926	4.00K
2prf	256	24	4	s	9482.092	1.347	1.745	2.168	0.612	0.000	0.409	0.000	2.317	3.144	0.172	0.161	105.135	6.00K
2prf	256	32	4	s	11982.335	1.396	1.746	2.215	0.612	0.000	0.409	0.000	2.932	3.989	0.220	0.208	129.344	8.00K
2prf	256	36	4	s	13232.457	1.421	1.748	2.238	0.612	0.000	0.409	0.000	3.241	4.405	0.244	0.231	141.449	9.00K
2prf	512	2	4	s	3952.438	1.280	1.803	2.146	0.612	0.000	0.409	0.000	0.704	0.717	0.061	0.047	54.926	1.00K
2prf	512	8	4	s	6796.006	1.311	1.802	2.176	0.612	0.000	0.409	0.000	1.246	1.530	0.129	0.114	85.043	4.00K
2prf	512	16	4	s	10587.430	1.351	1.801	2.217	0.612	0.000	0.409	0.000	1.970	2.615	0.220	0.203	125.199	8.00K
2prf	512	24	4	s	14378.854	1.392	1.801	2.262	0.612	0.000	0.409	0.000	2.695	3.655	0.310	0.292	165.354	12.00K
2prf	512	32	4	s	18170.278	1.434	1.803	2.309	0.612	0.000	0.409	0.000	3.420	4.661	0.401	0.381	205.510	16.00K
2prf	512	36	4	s	20665.990	1.455	1.805	2.332	0.612	0.000	0.409	0.000	3.782	5.159	0.447	0.426	225.588	18.00K
2prf	1024	2	4	s	6644.467	1.407	1.919	2.328	0.612	0.000	0.409	0.000	0.815	0.865	0.102	0.077	87.657	2.00K
2prf	1024	8	4	s	11424.806	1.428	1.917	2.362	0.612	0.000	0.409	0.000	1.537	1.918	0.234	0.207	141.694	8.00K
2prf	1024	16	4	s	17798.592	1.455	1.915	2.407	0.612	0.000	0.409	0.000	2.498	3.322	0.410	0.381	213.743	16.00K
2prf	1024	24	4	s	24172.378	1.483	1.915	2.451	0.612	0.000	0.409	0.000	3.452	4.677	0.587	0.555	285.793	24.00K
2prf	1024	32	4	s	30546.163	1.510	1.917	2.498	0.612	0.000	0.409	0.000	4.395	6.005	0.763	0.728	357.842	32.00K
2prf	1024	36	4	s	33733.056	1.524	1.918	2.522	0.612	0.000	0.409	0.000	4.865	6.666	0.852	0.815	393.866	36.00K
2prf	2048	2	4	s	12028.526	1.664	2.139	2.359	0.612	0.000	0.409	0.000	1.018	1.174	0.184	0.138	153.120	4.00K
2prf	2048	8	4	s	20682.407	1.685	2.139	2.391	0.612	0.000	0.409	0.000	2.032	2.733	0.444	0.395	254.997	16.00K
2prf	2048	16	4	s	32220.916	1.713	2.139	2.433	0.612	0.000	0.409	0.000	3.384	4.812	0.792	0.737	390.833	32.00K
2prf	2048	24	4	s	43725.945	1.741	2.140	2.478	0.612	0.000	0.409	0.000	4.725	6.848	1.140	1.080	526.669	48.00K
2prf	2048	32	4	s	55297.934	1.769	2.141	2.525	0.612	0.000	0.409	0.000	6.053	8.647	1.487	1.422	662.505	64.00K
2prf	2048	36	4	s	61067.168	1.783	2.141	2.549	0.612	0.000	0.409	0.000	6.714	9.539	1.661	1.593	730.423	72.00K
2prf	32	2	8	f	1751.395	1.015	1.694	1.782	0.612	0.000	0.409	0.000	0.797	0.736	0.023	0.019	26.437	0.06K
2prf	32	4	8	f	2428.935	1.036	1.694	1.782	0.612	0.000	0.409	0.000	1.160	1.086	0.027	0.023	31.642	0.12K
2prf	32	8	8	f	3784.013	1.078	1.693	1.782	0.612	0.000	0.409	0.000	1.885	1.788	0.036	0.030	42.054	0.25K
2prf	32	12	8	f	5139.091	1.122	1.693	1.780	0.612	0.000	0.409	0.000	2.683	2.455	0.044	0.037	52.466	0.38K
2prf	32	16	8	f	6494.170	1.167	1.693	1.784	0.612	0.000	0.409	0.000	3.545	3.083	0.052	0.044	62.877	0.50K
2prf	32	18	8	f	7171.709	1.190	1.693	1.787	0.612	0.000	0.409	0.000	3.983	3.392	0.056	0.047	68.083	0.56K
2prf	64	2	8	f	1930.761	1.028	1.698	1.795	0.612	0.000	0.409	0.000	0.784	0.743	0.025	0.021	27.616	0.12K
2prf	64	4	8	f	2677.689	1.049	1.698	1.795	0.612	0.000	0.409	0.000	6.714	9.539	1.661	1.593	730.423	72.00K
2prf	64	8	8	f	4171.545	1.091	1.697	1.794	0.612	0.000	0.409	0.000	1.812	1.810	0.041	0.035	44.518	0.50K
2prf	64	12	8	f	5665.401	1.136	1.697	1.794	0.612	0.000	0.409	0.000	2.557	2.485	0.052	0.045	55.785	0.75K
2prf	64	16	8	f	7159.257	1.181	1.696	1.794	0.612	0.000	0.409	0.000	3.361	3.121	0.063	0.055	67.053	1.00K
2prf	64	18	8	f	7906.185	1.203	1.696	1.795	0.612	0.000	0.409	0.000	3.770	3.434	0.068	0.059	72.687	1.12K
2prf	128	2	8	f	2116.579	1.069	1.703	1.833	0.612	0.000	0.409	0.000	0.770	0.758	0.029	0.024	29.976	0.25K
2prf	128	4	8	f	2935.391	1.090	1.703	1.833	0.612	0.000	0.409	0.000	1.088	1.122	0.037	0.032	36.466	0.50K
2prf	128	8	8	f	4573.017	1.133	1.703	1.833	0.612	0.000	0.409	0.000	1.723	1.850	0.053	0.047	49.445	1.00K
2prf	128	12	8	f	6210.643	1.176	1.831	1.882	0.612	0.000	0.409	0.000	2.405	2.543	0.069	0.061	62.425	1.50K
2prf	128	16	8	f	7848.268	1.221	1.703	1.882	0.612	0.000	0.409	0.000	3.143	3.194	0.085	0.076	75.404	2.00K
2prf	128	18	8	f	8667.081	1.244	1.702	1.833	0.612	0.000	0.409	0.000	3.518	3.514	0.093	0.084	81.894	2.25K
2prf	256	2	8	f	2670.483	1.077	1.717	1.833	0.612	0.000	0.409	0.000	0.769	0.787	0.037	0.031	36.171	0.50K
2prf	256	4	8	f	3703.577	1.098	1.717	1.833	0.612	0.000	0.409	0.000	1.070	1.166	0.051	0.044	45.498	1.00K
2prf	256	8	8	f	5769.766	1.141	1.717	1.832	0.612	0.000	0.409	0.000	1.673	1.925	0.078	0.069	64.153	2.00K
2prf	256	12	8	f	7835.955	1.184	1.717	1.831	0.612	0.000	0.409	0.000	2.313	2.646	0.106	0.095	82.808	3.00K
2prf	256	16	8	f	9902.144	1.229	1.717	1.832	0.612	0.000	0.409	0.000	2.993	3.323	0.133	0.120	101.463	4.00K
2prf	256	18	8	f	10935.238	1.252	1.716	1.833	0.612	0.000	0.409	0.000	3.338	3.656	0.147	0.133	110.791	4.50K
2prf	512	2	8	f	3778.291	1.094	1.744	1.833	0.612	0.000	0.409	0.000</						

type	word	io	mux	seg	drawing dimension area (μm^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc ($\mu\text{A}/\text{MHz}$)	writec ($\mu\text{A}/\text{MHz}$)	leakage (μA)	Leakage_pd (μA)	Leakage_ffg (μA)	Total KBits
2prf	256	18	8	m	10188.873	1.323	1.715	1.908	0.612	0.000	0.409	0.000	3.027	3.654	0.143	0.132	100.308	4.50K
2prf	512	2	8	m	3413.753	1.162	1.745	1.908	0.612	0.000	0.409	0.000	0.795	0.850	0.053	0.044	45.609	1.00K
2prf	512	4	8	m	4734.387	1.183	1.744	1.909	0.612	0.000	0.409	0.000	1.084	1.260	0.077	0.067	58.360	2.00K
2prf	512	8	8	m	7375.654	1.225	1.744	1.909	0.612	0.000	0.409	0.000	1.662	2.079	0.125	0.113	83.863	4.00K
2prf	512	12	8	m	10016.921	1.269	1.745	1.920	0.612	0.000	0.409	0.000	2.259	2.855	0.173	0.160	109.365	6.00K
2prf	512	16	8	m	12658.188	1.314	1.745	1.935	0.612	0.000	0.409	0.000	2.873	3.578	0.222	0.207	134.868	8.00K
2prf	512	18	8	m	13978.822	1.337	1.744	1.943	0.612	0.000	0.409	0.000	3.182	3.933	0.246	0.230	147.619	9.00K
2prf	1024	2	8	m	5264.832	1.191	1.802	1.908	0.612	0.000	0.409	0.000	0.863	0.938	0.084	0.070	67.437	2.00K
2prf	1024	4	8	m	7301.568	1.212	1.802	1.908	0.612	0.000	0.409	0.000	1.192	1.404	0.130	0.114	89.288	4.00K
2prf	1024	8	8	m	11375.040	1.253	1.802	1.912	0.612	0.000	0.409	0.000	1.849	2.336	0.222	0.203	132.989	8.00K
2prf	1024	12	8	m	15448.512	1.297	1.803	1.946	0.612	0.000	0.409	0.000	2.510	3.231	0.314	0.292	176.690	12.00K
2prf	1024	16	8	m	19521.984	1.343	1.803	1.992	0.612	0.000	0.409	0.000	3.166	4.076	0.406	0.381	220.391	16.00K
2prf	1024	18	8	m	21558.720	1.366	1.803	2.014	0.612	0.000	0.409	0.000	3.493	4.493	0.452	0.426	242.241	18.00K
2prf	2048	2	8	m	8966.990	1.242	1.918	1.978	0.612	0.000	0.409	0.000	1.017	1.112	0.148	0.122	111.093	4.00K
2prf	2048	4	8	m	12435.930	1.263	1.917	1.988	0.612	0.000	0.409	0.000	1.448	1.683	0.238	0.209	151.142	8.00K
2prf	2048	8	8	m	19373.812	1.305	1.917	2.009	0.612	0.000	0.409	0.000	2.311	2.826	0.417	0.382	231.240	16.00K
2prf	2048	12	8	m	26311.694	1.350	1.917	2.032	0.612	0.000	0.409	0.000	3.173	3.931	0.596	0.556	311.338	24.00K
2prf	2048	16	8	m	33249.575	1.395	1.917	2.057	0.612	0.000	0.409	0.000	4.030	4.992	0.775	0.730	391.436	32.00K
2prf	2048	18	8	m	36718.516	1.417	1.917	2.070	0.612	0.000	0.409	0.000	4.459	5.518	0.864	0.817	431.485	36.00K
2prf	288	2	8	s	2581.123	1.167	1.719	1.927	0.612	0.000	0.409	0.000	0.767	0.814	0.039	0.032	35.875	0.56K
2prf	288	4	8	s	3579.647	1.188	1.719	1.930	0.612	0.000	0.409	0.000	1.039	1.200	0.053	0.046	44.505	1.12K
2prf	288	8	8	s	5576.697	1.230	1.719	1.935	0.612	0.000	0.409	0.000	1.583	1.972	0.082	0.074	61.764	2.25K
2prf	288	12	8	s	7573.747	1.274	1.719	1.940	0.612	0.000	0.409	0.000	2.150	2.699	0.112	0.102	79.023	3.38K
2prf	288	16	8	s	9570.796	1.319	1.719	1.946	0.612	0.000	0.409	0.000	2.743	3.372	0.141	0.130	96.282	4.50K
2prf	288	18	8	s	10569.321	1.342	1.719	1.949	0.612	0.000	0.409	0.000	3.042	3.702	0.155	0.144	104.912	5.06K
2prf	512	2	8	s	3231.484	1.300	1.745	2.059	0.612	0.000	0.409	0.000	0.812	0.869	0.052	0.043	44.133	1.00K
2prf	512	4	8	s	4481.606	1.321	1.745	2.080	0.612	0.000	0.409	0.000	1.102	1.288	0.076	0.066	55.759	2.00K
2prf	512	8	8	s	6981.849	1.362	1.745	2.123	0.612	0.000	0.409	0.000	1.680	2.127	0.123	0.113	79.010	4.00K
2prf	512	12	8	s	9482.092	1.407	1.745	2.169	0.612	0.000	0.409	0.000	2.271	2.924	0.171	0.159	102.260	6.00K
2prf	512	16	8	s	119823.35	1.453	1.744	2.216	0.612	0.000	0.409	0.000	2.858	3.670	0.218	0.206	125.511	8.00K
2prf	512	18	8	s	13232.457	1.476	1.744	2.239	0.612	0.000	0.409	0.000	3.150	4.037	0.242	0.229	137.136	9.00K
2prf	1024	2	8	s	4900.294	1.352	1.803	2.155	0.612	0.000	0.409	0.000	0.958	0.954	0.063	0.059	64.486	2.00K
2prf	1024	4	8	s	6796.006	1.370	1.802	2.176	0.612	0.000	0.409	0.000	1.247	1.425	0.128	0.113	84.085	4.00K
2prf	1024	8	8	s	10587.430	1.406	1.802	2.218	0.612	0.000	0.409	0.000	1.945	2.367	0.219	0.202	123.282	8.00K
2prf	1024	12	8	s	14378.554	1.445	1.802	2.264	0.612	0.000	0.409	0.000	2.649	3.269	0.309	0.291	162.479	12.00K
2prf	1024	16	8	s	18170.278	1.485	1.802	2.310	0.612	0.000	0.409	0.000	3.348	4.120	0.399	0.379	201.677	16.00K
2prf	1024	18	8	s	20665.990	1.506	1.802	2.333	0.612	0.000	0.409	0.000	3.696	4.540	0.445	0.424	221.275	18.00K
2prf	2048	2	8	s	8237.914	1.455	1.918	2.347	0.612	0.000	0.409	0.000	1.068	1.125	0.146	0.120	105.190	4.00K
2prf	2048	4	8	s	11244.806	1.468	1.917	2.367	0.612	0.000	0.409	0.000	1.537	1.699	0.234	0.207	140.736	8.00K
2prf	2048	8	8	s	17798.592	1.495	1.916	2.409	0.612	0.000	0.409	0.000	2.474	2.848	0.410	0.380	211.827	16.00K
2prf	2048	12	8	s	24172.378	1.522	1.917	2.453	0.612	0.000	0.409	0.000	3.406	3.958	0.586	0.553	282.918	24.00K
2prf	2048	16	8	s	30546.163	1.551	1.917	2.499	0.612	0.000	0.409	0.000	4.328	5.020	0.761	0.726	354.008	32.00K
2prf	2048	18	8	s	33733.056	1.565	1.917	2.522	0.612	0.000	0.409	0.000	4.786	5.545	0.849	0.813	389.554	36.00K
2prf	4096	2	8	f	14913.153	1.714	1.739	2.375	0.612	0.000	0.409	0.000	1.364	1.480	0.270	0.223	186.600	8.00K
2prf	4096	4	8	f	20682.407	1.727	1.739	2.396	0.612	0.000	0.409	0.000	2.025	2.264	0.444	0.394	254.039	16.00K
2prf	4096	8	8	f	32220.916	1.755	1.738	2.436	0.612	0.000	0.409	0.000	3.347	3.832	0.791	0.736	388.916	32.00K
2prf	4096	12	8	f	43759.425	1.782	1.739	2.480	0.612	0.000	0.409	0.000	4.670	5.361	1.138	1.078	523.794	48.00K
2prf	4096	16	8	f	55297.934	1.811	1.738	2.527	0.612	0.000	0.409	0.000	5.976	6.846	1.485	1.420	658.672	64.00K
2prf	4096	18	8	f	61067.188	1.825	1.738	2.550	0.612	0.000	0.409	0.000	6.625	7.584	1.659	1.591	726.111	72.00K
2prf	64	2	16	f	2428.935	1.178	1.697	1.781	0.612	0.000	0.409	0.000	1.141	1.089	0.027	0.023	31.117	0.12K
2prf	64	4	16	f	3784.013	1.210	1.697	1.781	0.612	0.000	0.409	0.000	1.792	1.771	0.035	0.029	41.003	0.25K
2prf	64	6	16	f	5139.091	1.255	1.697	1.781	0.612	0.000	0.409	0.000	2.557	2.419	0.043	0.036	50.888	0.38K
2prf	64	8	16	f	6494.170	1.298	1.696	1.781	0.612	0.000	0.409	0.000	3.389	3.018	0.051	0.043	60.774	0.50K
2prf	64	9	16	f	7171.709	1.320	1.695	1.782	0.612	0.000	0.409	0.000	3.805	3.317	0.055	0.046	65.717	0.56K
2prf	128	2	16	f	2677.689	1.192	1.702	1.794	0.612	0.000	0.409	0.000	1.112	1.099	0.030	0.026	32.724	0.25K
2prf	128	4	16	f	4171.545	1.224	1.699	1.794	0.612	0.000	0.409	0.000	1.717	1.785	0.041	0.035	43.466	0.50K
2prf	128	6	16	f	5665.401	1.269	1.700	1.794	0.612	0.000	0.409	0.000	2.432	2.442	0.051			

type	word	io	mux	seg	drawing dimension area (μm^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc ($\mu\text{A}/\text{MHz}$)	writec ($\mu\text{A}/\text{MHz}$)	leakage (μA)	Leakage_pd (μA)	Leakage_ffg (μA)	Total KBits
2prf	320	4	16	m	4773.753	1.283	1.710	1.851	0.612	0.000	0.409	0.000	1.594	1.836	0.058	0.051	50.857	1.25K
2prf	320	6	16	m	6483.263	1.328	1.709	1.851	0.612	0.000	0.409	0.000	2.220	2.505	0.077	0.069	64.167	1.88K
2prf	320	8	16	m	8192.774	1.371	1.709	1.850	0.612	0.000	0.409	0.000	2.878	3.120	0.095	0.086	77.477	2.50K
2prf	320	9	16	m	9047.529	1.393	1.709	1.850	0.612	0.000	0.409	0.000	3.208	3.428	0.104	0.095	84.131	2.81K
2prf	512	2	16	m	3450.796	1.310	1.719	1.907	0.612	0.000	0.409	0.000	1.019	1.174	0.050	0.043	42.371	1.00K
2prf	512	4	16	m	5375.961	1.342	1.719	1.907	0.612	0.000	0.409	0.000	1.482	1.894	0.076	0.068	58.248	2.00K
2prf	512	6	16	m	7301.126	1.386	1.718	1.906	0.612	0.000	0.409	0.000	2.016	2.570	0.102	0.093	74.126	3.00K
2prf	512	8	16	m	9226.291	1.430	1.719	1.906	0.612	0.000	0.409	0.000	2.567	3.184	0.129	0.118	90.003	4.00K
2prf	512	9	16	m	10188.873	1.451	1.719	1.907	0.612	0.000	0.409	0.000	2.842	3.491	0.142	0.131	97.942	4.50K
2prf	1024	2	16	m	4734.387	1.324	1.748	1.906	0.612	0.000	0.409	0.000	1.071	1.231	0.077	0.067	57.835	2.00K
2prf	1024	4	16	m	7375.654	1.356	1.747	1.906	0.612	0.000	0.409	0.000	1.578	1.992	0.125	0.113	82.811	4.00K
2prf	1024	6	16	m	10016.921	1.400	1.747	1.919	0.612	0.000	0.409	0.000	2.149	2.712	0.173	0.159	107.788	6.00K
2prf	1024	8	16	m	12658.188	1.444	1.747	1.935	0.612	0.000	0.409	0.000	2.725	3.374	0.221	0.206	132.765	8.00K
2prf	1024	9	16	m	13978.822	1.466	1.748	1.943	0.612	0.000	0.409	0.000	3.013	3.705	0.245	0.229	145.253	9.00K
2prf	2048	2	16	m	7301.568	1.353	1.805	1.906	0.612	0.000	0.409	0.000	1.174	1.344	0.130	0.114	88.762	4.00K
2prf	2048	4	16	m	11375.040	1.385	1.804	1.906	0.612	0.000	0.409	0.000	1.772	2.187	0.222	0.203	131.937	8.00K
2prf	2048	6	16	m	15448.512	1.428	1.805	1.944	0.612	0.000	0.409	0.000	2.415	2.996	0.313	0.291	175.112	12.00K
2prf	2048	8	16	m	19521.984	1.473	1.805	1.991	0.612	0.000	0.409	0.000	3.042	3.754	0.405	0.380	218.287	16.00K
2prf	2048	9	16	m	21558.720	1.495	1.805	2.014	0.612	0.000	0.409	0.000	3.355	4.134	0.451	0.424	239.875	18.00K
2prf	4096	2	16	m	12435.930	1.405	1.919	1.992	0.612	0.000	0.409	0.000	1.429	1.559	0.237	0.208	150.617	8.00K
2prf	4096	4	16	m	19373.834	1.437	1.918	1.997	0.612	0.000	0.409	0.000	2.238	2.551	0.416	0.382	230.189	16.00K
2prf	4096	6	16	m	26311.694	1.481	1.918	2.020	0.612	0.000	0.409	0.000	3.074	3.515	0.595	0.555	309.761	24.00K
2prf	4096	9	16	m	32349.575	1.526	1.918	2.046	0.612	0.000	0.409	0.000	3.905	4.419	0.773	0.729	389.333	32.00K
2prf	4096	16	s	s	36718.516	1.548	1.918	2.059	0.612	0.000	0.409	0.000	4.320	4.870	0.863	0.816	429.119	36.00K
2prf	576	2	16	s	3579.647	1.329	1.723	1.929	0.612	0.000	0.409	0.000	1.027	1.184	0.053	0.046	43.979	1.12K
2prf	576	4	16	s	5576.697	1.361	1.722	1.924	0.612	0.000	0.409	0.000	1.497	1.910	0.082	0.074	60.712	2.25K
2prf	576	6	16	s	7573.747	1.405	1.722	1.939	0.612	0.000	0.409	0.000	2.035	2.593	0.111	0.101	77.445	3.38K
2prf	576	8	16	s	9570.796	1.449	1.722	1.945	0.612	0.000	0.409	0.000	2.586	3.216	0.140	0.129	94.179	4.50K
2prf	576	9	16	s	10569.321	1.470	1.723	1.946	0.612	0.000	0.409	0.000	2.862	3.526	0.154	0.143	102.545	5.06K
2prf	1024	2	16	s	4481.606	1.462	1.748	2.087	0.612	0.000	0.409	0.000	1.082	1.250	0.076	0.066	55.233	2.00K
2prf	1024	4	16	s	6391.849	1.484	1.748	2.123	0.612	0.000	0.409	0.000	1.603	2.022	0.123	0.112	77.958	4.00K
2prf	1024	6	16	s	9482.092	1.538	1.748	2.168	0.612	0.000	0.409	0.000	2.168	2.756	0.170	0.158	100.683	6.00K
2prf	1024	8	16	s	11982.335	1.581	1.747	2.215	0.612	0.000	0.409	0.000	2.725	3.432	0.217	0.205	123.408	8.00K
2prf	1024	9	16	s	13232.457	1.603	1.747	2.239	0.612	0.000	0.409	0.000	3.003	3.770	0.241	0.228	134.770	9.00K
2prf	2048	2	16	s	6796.006	1.488	1.805	2.183	0.612	0.000	0.409	0.000	1.227	1.358	0.128	0.113	83.559	4.00K
2prf	2048	4	16	s	10587.430	1.519	1.804	2.218	0.612	0.000	0.409	0.000	1.867	2.204	0.218	0.201	122.230	8.00K
2prf	2048	6	16	s	14378.854	1.563	1.804	2.263	0.612	0.000	0.409	0.000	2.548	3.016	0.308	0.290	160.902	12.00K
2prf	2048	8	16	s	18170.278	1.606	1.804	2.310	0.612	0.000	0.409	0.000	3.216	3.769	0.398	0.378	199.574	16.00K
2prf	2048	9	16	s	20065.990	1.628	1.804	2.333	0.612	0.000	0.409	0.000	3.550	4.145	0.444	0.422	218.909	18.00K
2prf	4096	2	16	s	11424.806	1.542	1.919	2.374	0.612	0.000	0.409	0.000	1.516	1.573	0.233	0.207	140.210	8.00K
2prf	4096	4	16	s	17798.592	1.570	1.917	2.408	0.612	0.000	0.409	0.000	2.396	2.567	0.409	0.380	210.775	16.00K
2prf	4096	6	16	s	24172.378	1.613	1.918	2.452	0.612	0.000	0.409	0.000	3.308	3.538	0.585	0.552	281.340	24.00K
2prf	4096	8	16	s	30546.163	1.657	1.918	2.499	0.612	0.000	0.409	0.000	4.198	4.443	0.760	0.725	351.905	32.00K
2prf	4096	9	16	s	33733.056	1.678	1.918	2.523	0.612	0.000	0.409	0.000	4.643	4.895	0.848	0.812	387.188	36.00K
2prf	8192	2	16	s	20682.407	1.804	2.137	2.401	0.612	0.000	0.409	0.000	2.000	2.009	0.444	0.394	253.513	16.00K
2prf	8192	4	16	s	32220.916	1.829	2.138	2.434	0.612	0.000	0.409	0.000	3.264	3.299	0.791	0.736	387.865	32.00K
2prf	8192	6	16	s	43759.425	1.857	2.137	2.476	0.612	0.000	0.409	0.000	4.560	4.555	1.138	1.078	522.217	48.00K
2prf	8192	8	16	s	55297.934	1.886	2.137	2.524	0.612	0.000	0.409	0.000	5.833	5.764	1.484	1.419	656.569	64.00K
2prf	8192	9	16	s	61067.188	1.901	2.137	2.547	0.612	0.000	0.409	0.000	6.469	6.369	1.656	1.590	723.745	72.00K

s0p99vm40c																		
type	word	io	mux	seg	drawing dimension area (um^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc (uA/MHz)	writec (uA/MHz)	leakage (uA)	Leakage_pd (uA)	Leakage_ffg (uA)	Total KBits
2prf	8	2	2	f	1243.241	0.926	1.767	1.862	0.641	0.000	0.422	0.000	0.519	0.426	0.013	0.011	22.887	0.02K
2prf	8	16	2	f	2428.935	0.976	1.767	1.861	0.641	0.000	0.422	0.000	1.250	1.053	0.018	0.015	34.483	0.12K
2prf	8	32	2	f	3784.013	1.034	1.766	1.860	0.641	0.000	0.422	0.000	2.086	1.770	0.023	0.019	47.736	0.25K
2prf	8	48	2	f	5139.091	1.090	1.767	1.861	0.641	0.000	0.422	0.000	3.002	2.460	0.029	0.024	60.988	0.38K
2prf	8	64	2	f	6494.170	1.148	1.768	1.863	0.641	0.000	0.422	0.000	3.996	3.124	0.034	0.029	74.240	0.50K
2prf	8	72	2	f	7171.709	1.178	1.769	1.864	0.641	0.000	0.422	0.000	4.509	3.450	0.037	0.031	80.866	0.56K
2prf	16	2	2	f	1370.565	0.941	1.769	1.875	0.641	0.000	0.422	0.000	0.518	0.432	0.013	0.011	23.746	0.03K
2prf	16	16	2	f	2677.689	0.990	1.769	1.874	0.641	0.000	0.422	0.000	1.215	1.083	0.019	0.016	36.091	0.25K
2prf	16	32	2	f	4171.545	1.047	1.769	1.874	0.641	0.000	0.422	0.000	2.012	1.826	0.026	0.022	50.199	0.50K
2prf	16	48	2	f	5665.401	1.104	1.770	1.874	0.641	0.000	0.422	0.000	2.869	2.541	0.033	0.028	64.307	0.75K
2prf	16	64	2	f	7159.257	1.162	1.771	1.876	0.641	0.000	0.422	0.000	3.789	3.229	0.039	0.034	78.416	1.00K
2prf	16	72	2	f	7906.185	1.192	1.772	1.877	0.641	0.000	0.422	0.000	4.261	3.568	0.043	0.037	85.470	1.12K
2prf	32	2	2	f	1502.469	0.983	1.776	1.915	0.641	0.000	0.422	0.000	0.519	0.444	0.014	0.012	25.464	0.06K
2prf	32	16	2	f	2935.391	1.033	1.775	1.914	0.641	0.000	0.422	0.000	1.171	1.139	0.022	0.019	39.306	0.50K
2prf	32	32	2	f	4573.017	1.089	1.775	1.914	0.641	0.000	0.422	0.000	1.915	1.934	0.031	0.027	55.127	1.00K
2prf	32	48	2	f	6210.643	1.146	1.777	1.914	0.641	0.000	0.422	0.000	2.717	2.697	0.041	0.036	70.947	1.50K
2prf	32	64	2	f	7848.268	1.204	1.778	1.915	0.641	0.000	0.422	0.000	3.567	3.436	0.050	0.044	86.767	2.00K
2prf	32	72	2	f	8667.081	1.234	1.779	1.915	0.641	0.000	0.422	0.000	4.000	3.800	0.054	0.048	94.677	2.25K
2prf	64	2	2	f	1895.662	0.991	1.789	1.915	0.641	0.000	0.422	0.000	0.529	0.467	0.016	0.013	29.530	0.12K
2prf	64	16	2	f	3703.577	1.041	1.789	1.914	0.641	0.000	0.422	0.000	1.155	1.232	0.029	0.025	48.339	1.00K
2prf	64	32	2	f	5769.766	1.098	1.789	1.913	0.641	0.000	0.422	0.000	1.870	2.106	0.043	0.038	69.835	2.00K
2prf	64	48	2	f	7835.955	1.154	1.790	1.914	0.641	0.000	0.422	0.000	2.627	2.950	0.058	0.052	91.330	3.00K
2prf	64	64	2	f	9902.144	1.212	1.792	1.915	0.641	0.000	0.422	0.000	3.419	3.765	0.072	0.065	112.826	4.00K
2prf	64	72	2	f	10935.238	1.242	1.793	1.915	0.641	0.000	0.422	0.000	3.823	4.167	0.080	0.072	123.574	4.50K
2prf	128	2	2	f	2682.048	1.008	1.817	1.914	0.641	0.000	0.422	0.000	0.548	0.513	0.019	0.016	37.664	0.25K
2prf	128	16	2	f	5239.949	1.057	1.817	1.913	0.641	0.000	0.422	0.000	1.123	1.417	0.041	0.037	66.404	2.00K
2prf	128	32	2	f	8163.264	1.114	1.817	1.912	0.641	0.000	0.422	0.000	1.781	2.451	0.067	0.060	99.251	4.00K
2prf	128	48	2	f	11086.579	1.171	1.818	1.914	0.641	0.000	0.422	0.000	2.446	3.455	0.092	0.084	132.098	6.00K
2prf	128	64	2	f	14009.894	1.229	1.820	1.915	0.641	0.000	0.422	0.000	3.125	4.423	0.117	0.108	164.944	8.00K
2prf	128	72	2	f	15471.552	1.258	1.821	1.916	0.641	0.000	0.422	0.000	3.468	4.893	0.130	0.119	181.367	9.00K
2prf	256	2	2	f	4254.820	1.040	1.817	1.913	0.641	0.000	0.422	0.000	0.589	0.533	0.026	0.022	53.930	0.50K
2prf	256	16	2	f	8312.692	1.090	1.817	1.920	0.641	0.000	0.422	0.000	1.254	1.741	0.067	0.060	102.535	4.00K
2prf	256	32	2	f	12950.260	1.146	1.816	1.928	0.641	0.000	0.422	0.000	2.014	3.064	0.114	0.104	158.084	8.00K
2prf	256	48	2	f	17587.828	1.203	1.817	1.951	0.641	0.000	0.422	0.000	2.776	4.352	0.161	0.148	213.632	12.00K
2prf	256	64	2	f	22225.396	1.261	1.819	1.978	0.641	0.000	0.422	0.000	3.548	5.616	0.208	0.192	269.181	16.00K
2prf	256	72	2	f	24544.180	1.291	1.881	1.992	0.641	0.000	0.422	0.000	3.937	6.244	0.231	0.214	296.955	18.00K
2prf	40	2	2	m	1568.421	1.004	1.779	1.935	0.641	0.000	0.422	0.000	0.524	0.454	0.014	0.012	26.323	0.08K
2prf	40	16	2	m	3064.243	1.053	1.779	1.934	0.641	0.000	0.422	0.000	1.155	1.174	0.024	0.020	40.914	0.62K
2prf	40	32	2	m	4773.753	1.110	1.779	1.933	0.641	0.000	0.422	0.000	1.876	1.996	0.034	0.030	57.590	1.25K
2prf	40	48	2	m	6483.263	1.167	1.780	1.934	0.641	0.000	0.422	0.000	2.648	2.785	0.044	0.039	74.266	1.88K
2prf	40	64	2	m	8192.774	1.225	1.781	1.935	0.641	0.000	0.422	0.000	3.460	3.547	0.055	0.049	90.942	2.50K
2prf	40	72	2	m	9047.529	1.254	1.782	1.935	0.641	0.000	0.422	0.000	3.873	3.923	0.060	0.054	99.280	2.81K
2prf	64	2	2	m	1766.277	1.066	1.789	1.994	0.641	0.000	0.422	0.000	0.539	0.485	0.016	0.013	28.899	0.12K
2prf	64	16	2	m	3450.796	1.115	1.789	1.993	0.641	0.000	0.422	0.000	1.108	1.277	0.028	0.024	45.737	1.00K
2prf	64	32	2	m	5375.961	1.172	1.789	1.992	0.641	0.000	0.422	0.000	1.759	2.183	0.042	0.038	64.981	2.00K
2prf	64	48	2	m	7301.126	1.228	1.789	1.993	0.641	0.000	0.422	0.000	2.440	3.047	0.056	0.051	84.225	3.00K
2prf	64	64	2	m	9226.291	1.286	1.791	1.995	0.641	0.000	0.422	0.000	3.140	3.880	0.070	0.064	103.469	4.00K
2prf	64	72	2	m	10188.873	1.316	1.792	1.996	0.641	0.000	0.422	0.000	3.493	4.290	0.078	0.071	113.091	4.50K
2prf	128	2	2	m	2423.278	1.080	1.818	1.993	0.641	0.000	0.422	0.000	0.558	0.520	0.019	0.016	36.401	0.25K
2prf	128	16	2	m	4734.387	1.129	1.818	1.993	0.641	0.000	0.422	0.000	1.166	1.437	0.040	0.036	61.201	2.00K
2prf	128	32	2	m	7375.654	1.186	1.818	1.992	0.641	0.000	0.422	0.000	1.861	2.485	0.065	0.059	89.544	4.00K
2prf	128	48	2	m	10016.921	1.243	1.818	1.998	0.641	0.000	0.422	0.000	2.574	3.493	0.089	0.083	117.887	6.00K
2prf	128	64	2	m	12558.188	1.300	1.820	2.012	0.641	0.000	0.422	0.000	3.300	4.472	0.114	0.106	146.230	8.00K
2prf	128	72	2	m	13978.822	1.330	1.822	2.021	0.641	0.000	0.422	0.000	3.665	4.957	0.126	0.118	160.402	9.00K
2prf	256	2	2	m	3737.280	1.108	1.877	1.992	0.641	0.000	0.422	0.000	0.597	0.589	0.025	0.021	51.404	0.50K
2prf	256	16	2	m	7301.568	1.158	1.877	1.992	0.641	0.000	0.422	0.000	1.281	1.756	0.065	0.059	92.128	4.00K
2prf	256	32	2	m	11375.040	1.214	1.876	1.991	0.641	0.000	0.422	0.000	2.064	3.090	0.110	0.103	138.670	8.00K
2prf	2																	

type	word	io	mux	seg	drawing dimension area (μm^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc ($\mu\text{A}/\text{MHz}$)	writec ($\mu\text{A}/\text{MHz}$)	leakage (μA)	Leakage_pd (μA)	Leakage_ffg (μA)	Total KBits
2prf	256	16	2	s	6796.006	1.345	1.877	2.251	0.641	0.000	0.422	0.000	1.337	1.819	0.064	0.059	86.925	4.00K
2prf	256	32	2	s	10587.430	1.392	1.877	2.281	0.641	0.000	0.422	0.000	2.160	3.204	0.108	0.102	128.963	8.00K
2prf	256	48	2	s	14378.854	1.440	1.878	2.324	0.641	0.000	0.422	0.000	2.980	4.558	0.152	0.145	171.001	12.00K
2prf	256	64	2	s	18170.278	1.488	1.879	2.372	0.641	0.000	0.422	0.000	3.800	5.882	0.197	0.188	213.039	16.00K
2prf	256	72	2	s	20065.990	1.512	1.880	2.396	0.641	0.000	0.422	0.000	4.210	6.537	0.219	0.210	234.058	18.00K
2prf	512	2	2	s	5847.744	1.460	1.996	2.380	0.641	0.000	0.422	0.000	0.699	0.744	0.037	0.032	78.886	1.00K
2prf	512	16	2	s	11424.806	1.485	1.996	2.422	0.641	0.000	0.422	0.000	1.630	2.430	0.111	0.104	143.576	8.00K
2prf	512	32	2	s	17798.592	1.513	1.996	2.469	0.641	0.000	0.422	0.000	2.694	4.357	0.196	0.188	217.508	16.00K
2prf	512	48	2	s	24172.378	1.541	1.997	2.516	0.641	0.000	0.422	0.000	3.741	6.248	0.281	0.271	291.440	24.00K
2prf	512	64	2	s	30546.163	1.570	1.998	2.564	0.641	0.000	0.422	0.000	4.780	8.122	0.366	0.354	365.371	32.00K
2prf	512	72	2	s	33733.056	1.584	1.998	2.588	0.641	0.000	0.422	0.000	5.298	9.057	0.409	0.396	402.337	36.00K
2prf	1024	2	2	s	10586.212	1.719	2.227	2.412	0.641	0.000	0.422	0.000	0.857	1.032	0.062	0.053	136.376	2.00K
2prf	1024	16	2	s	20682.407	1.745	2.226	2.452	0.641	0.000	0.422	0.000	2.137	3.753	0.207	0.196	256.879	16.00K
2prf	1024	32	2	s	32220.916	1.774	2.225	2.497	0.641	0.000	0.422	0.000	3.601	6.863	0.373	0.359	394.598	32.00K
2prf	1024	48	2	s	43759.425	1.802	2.226	2.543	0.641	0.000	0.422	0.000	5.021	9.917	0.539	0.522	532.316	48.00K
2prf	1024	64	2	s	55297.934	1.830	2.228	2.592	0.641	0.000	0.422	0.000	6.427	12.947	0.705	0.685	670.034	64.00K
2prf	1024	72	2	s	61067.188	1.844	2.229	2.617	0.641	0.000	0.422	0.000	7.131	14.460	0.788	0.767	738.894	72.00K
2prf	16	2	4	f	1412.626	0.977	1.767	1.862	0.641	0.000	0.422	0.000	0.597	0.518	0.013	0.011	24.073	0.03K
2prf	16	8	4	f	2428.933	1.014	1.767	1.861	0.641	0.000	0.422	0.000	1.150	1.046	0.017	0.014	32.601	0.12K
2prf	16	16	4	f	3784.013	1.063	1.766	1.860	0.641	0.000	0.422	0.000	1.887	1.749	0.022	0.018	43.971	0.25K
2prf	16	24	4	f	5139.091	1.112	1.766	1.860	0.641	0.000	0.422	0.000	2.698	2.413	0.027	0.022	55.341	0.38K
2prf	16	32	4	f	6494.170	1.163	1.766	1.860	0.641	0.000	0.422	0.000	3.580	3.039	0.032	0.026	66.711	0.50K
2prf	16	36	4	f	7171.709	1.188	1.766	1.860	0.641	0.000	0.422	0.000	4.035	3.345	0.034	0.028	72.396	0.56K
2prf	32	2	4	f	1557.397	0.991	1.770	1.875	0.641	0.000	0.422	0.000	0.591	0.525	0.014	0.011	25.039	0.06K
2prf	32	8	4	f	2677.689	1.028	1.770	1.874	0.641	0.000	0.422	0.000	1.114	1.064	0.019	0.015	34.209	0.25K
2prf	32	16	4	f	4171.545	1.077	1.768	1.874	0.641	0.000	0.422	0.000	1.811	1.782	0.025	0.021	46.434	0.50K
2prf	32	24	4	f	5665.401	1.127	1.769	1.874	0.641	0.000	0.422	0.000	2.567	2.459	0.031	0.026	58.660	0.75K
2prf	32	32	4	f	7159.257	1.177	1.770	1.873	0.641	0.000	0.422	0.000	3.377	3.101	0.037	0.031	70.886	1.00K
2prf	32	36	4	f	7906.185	1.203	1.770	1.873	0.641	0.000	0.422	0.000	3.793	3.419	0.040	0.034	76.999	1.12K
2prf	64	2	4	f	1707.172	1.034	1.777	1.916	0.641	0.000	0.422	0.000	0.588	0.538	0.015	0.012	26.971	0.12K
2prf	64	8	4	f	2935.351	1.070	1.777	1.915	0.641	0.000	0.422	0.000	1.069	1.039	0.022	0.018	37.424	0.50K
2prf	64	16	4	f	4573.017	1.119	1.776	1.914	0.641	0.000	0.422	0.000	1.710	1.845	0.030	0.026	51.362	1.00K
2prf	64	24	4	f	6210.643	1.168	1.776	1.914	0.641	0.000	0.422	0.000	2.403	2.548	0.039	0.034	65.300	1.50K
2prf	64	32	4	f	7848.268	1.219	1.776	1.914	0.641	0.000	0.422	0.000	3.153	3.216	0.047	0.042	79.237	2.00K
2prf	64	36	4	f	8667.081	1.245	1.777	1.914	0.641	0.000	0.422	0.000	3.540	3.544	0.051	0.045	86.206	2.25K
2prf	128	2	4	f	2153.936	1.042	1.791	1.915	0.641	0.000	0.422	0.000	0.594	0.563	0.017	0.015	31.747	0.25K
2prf	128	8	4	f	3703.577	1.078	1.790	1.915	0.641	0.000	0.422	0.000	1.053	1.158	0.028	0.024	46.457	1.00K
2prf	128	16	4	f	5769.766	1.127	1.790	1.914	0.641	0.000	0.422	0.000	1.665	1.951	0.042	0.037	66.070	2.00K
2prf	128	24	4	f	7835.955	1.176	1.790	1.913	0.641	0.000	0.422	0.000	2.314	2.701	0.056	0.050	85.683	3.00K
2prf	128	32	4	f	9902.144	1.227	1.790	1.914	0.641	0.000	0.422	0.000	3.006	3.413	0.070	0.063	105.297	4.00K
2prf	128	36	4	f	10935.238	1.253	1.791	1.914	0.641	0.000	0.422	0.000	3.361	3.762	0.077	0.069	115.103	4.50K
2prf	256	2	4	f	3047.462	1.058	1.818	1.914	0.641	0.000	0.422	0.000	0.608	0.612	0.022	0.019	41.299	0.50K
2prf	256	8	4	f	5239.949	1.095	1.818	1.914	0.641	0.000	0.422	0.000	1.022	1.276	0.041	0.036	64.522	2.00K
2prf	256	16	4	f	8163.264	1.144	1.818	1.913	0.641	0.000	0.422	0.000	1.575	2.162	0.065	0.059	95.486	4.00K
2prf	256	24	4	f	11086.579	1.193	1.818	1.912	0.641	0.000	0.422	0.000	2.137	3.007	0.090	0.082	126.451	6.00K
2prf	256	32	4	f	14009.894	1.244	1.818	1.913	0.641	0.000	0.422	0.000	2.711	3.807	0.115	0.105	157.415	8.00K
2prf	256	36	4	f	15471.552	1.270	1.818	1.914	0.641	0.000	0.422	0.000	3.001	4.198	0.127	0.117	172.897	9.00K
2prf	512	2	4	f	4834.516	1.092	1.878	1.914	0.641	0.000	0.422	0.000	0.663	0.688	0.032	0.027	60.403	1.00K
2prf	512	8	4	f	8312.692	1.128	1.877	1.919	0.641	0.000	0.422	0.000	1.155	1.478	0.066	0.060	100.653	4.00K
2prf	512	16	4	f	12950.260	1.176	1.876	1.925	0.641	0.000	0.422	0.000	1.811	2.532	0.113	0.103	154.319	8.00K
2prf	512	24	4	f	17587.828	1.226	1.876	1.947	0.641	0.000	0.422	0.000	2.470	3.541	0.149	0.147	207.985	12.00K
2prf	512	32	4	f	22225.396	1.277	1.876	1.974	0.641	0.000	0.422	0.000	3.135	4.515	0.205	0.190	261.651	16.00K
2prf	512	36	4	f	24544.180	1.303	1.877	1.988	0.641	0.000	0.422	0.000	3.469	4.995	0.228	0.212	288.484	18.00K
2prf	80	2	4	m	1782.110	1.054	1.780	1.935	0.641	0.000	0.422	0.000	0.590	0.548	0.016	0.013	27.936	0.16K
2prf	80	8	4	m	3064.243	1.091	1.780	1.933	0.641	0.000	0.422	0.000	1.053	1.118	0.023	0.020	39.032	0.62K
2prf	80	16	4	m	4773.753	1.140	1.779	1.934	0.641	0.000	0.422	0.000	1.670	1.878	0.033	0.028	53.826	1.25K
2prf	80	24	4	m	6483.263	1.188	1.779	1.933	0.641	0.000	0.422	0.000	2.333	2.595	0.043	0.038	68.619	1.88K
2prf	80</td																	

type	word	io	mux	seg	drawing dimension area (μm ²)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc (uA/MHz)	writec (uA/MHz)	leakage (uA)	Leakage_pd (uA)	Leakage_ffg (uA)	Total KBits
2prf	1024	24	4	m	26311.694	1.348	1.994	2.097	0.641	0.000	0.422	0.000	3.196	4.642	0.285	0.271	314.213	24.00K
2prf	1024	32	4	m	33249.575	1.399	1.995	2.123	0.641	0.000	0.422	0.000	4.071	5.951	0.371	0.354	395.269	32.00K
2prf	1024	36	4	m	36718.516	1.425	1.995	2.136	0.641	0.000	0.422	0.000	4.508	6.596	0.414	0.396	435.797	36.00K
2prf	144	2	4	s	2081.860	1.136	1.793	2.014	0.641	0.000	0.422	0.000	0.603	0.588	0.018	0.015	31.800	0.28K
2prf	144	8	4	s	3579.647	1.172	1.793	2.015	0.641	0.000	0.422	0.000	1.016	1.202	0.029	0.025	45.463	1.12K
2prf	144	16	4	s	5576.697	1.221	1.792	2.017	0.641	0.000	0.422	0.000	1.568	2.021	0.044	0.039	63.680	2.25K
2prf	144	24	4	s	7573.747	1.271	1.792	2.022	0.641	0.000	0.422	0.000	2.143	2.791	0.058	0.053	81.898	3.38K
2prf	144	32	4	s	9570.796	1.322	1.793	2.028	0.641	0.000	0.422	0.000	2.738	3.513	0.073	0.067	100.115	4.50K
2prf	144	36	4	s	10569.321	1.348	1.793	2.031	0.641	0.000	0.422	0.000	3.038	3.864	0.080	0.074	109.224	5.06K
2prf	256	2	4	s	2606.423	1.275	1.818	2.149	0.641	0.000	0.422	0.000	0.643	0.637	0.021	0.018	38.560	0.50K
2prf	256	8	4	s	4481.606	1.312	1.818	2.165	0.641	0.000	0.422	0.000	1.092	1.329	0.039	0.035	56.717	2.00K
2prf	256	16	4	s	6981.849	1.361	1.817	2.187	0.641	0.000	0.422	0.000	1.690	2.252	0.062	0.058	80.926	4.00K
2prf	256	24	4	s	9482.092	1.411	1.817	2.228	0.641	0.000	0.422	0.000	2.291	3.131	0.086	0.080	105.135	6.00K
2prf	256	32	4	s	11982.335	1.462	1.818	2.276	0.641	0.000	0.422	0.000	2.894	3.968	0.109	0.103	129.344	8.00K
2prf	256	36	4	s	13232.457	1.488	1.819	2.300	0.641	0.000	0.422	0.000	3.196	4.379	0.121	0.114	141.449	9.00K
2prf	512	2	4	s	3952.438	1.345	1.877	2.229	0.641	0.000	0.422	0.000	0.699	0.712	0.030	0.026	54.926	1.00K
2prf	512	8	4	s	6796.006	1.377	1.877	2.251	0.641	0.000	0.422	0.000	1.237	1.523	0.063	0.058	85.043	4.00K
2prf	512	16	4	s	10587.430	1.419	1.876	2.281	0.641	0.000	0.422	0.000	1.955	2.604	0.107	0.101	125.199	8.00K
2prf	512	24	4	s	14378.854	1.461	1.876	2.324	0.641	0.000	0.422	0.000	2.671	3.646	0.150	0.143	165.354	12.00K
2prf	512	32	4	s	18170.278	1.505	1.877	2.372	0.641	0.000	0.422	0.000	3.386	4.644	0.194	0.186	205.510	16.00K
2prf	512	36	4	s	20665.990	1.527	1.878	2.396	0.641	0.000	0.422	0.000	3.743	5.134	0.216	0.207	225.588	18.00K
2prf	1024	2	4	s	6644.467	1.484	1.996	2.388	0.641	0.000	0.422	0.000	0.810	0.860	0.047	0.042	87.657	2.00K
2prf	1024	8	4	s	11424.806	1.505	1.995	2.423	0.641	0.000	0.422	0.000	1.528	1.909	0.111	0.104	141.694	8.00K
2prf	1024	16	4	s	17798.592	1.533	1.995	2.469	0.641	0.000	0.422	0.000	2.485	3.308	0.195	0.186	213.743	16.00K
2prf	1024	24	4	s	24172.378	1.562	1.994	2.516	0.641	0.000	0.422	0.000	3.431	4.675	0.279	0.269	285.793	24.00K
2prf	1024	32	4	s	30546.163	1.590	1.995	2.563	0.641	0.000	0.422	0.000	4.369	5.995	0.364	0.352	357.842	32.00K
2prf	1024	36	4	s	33733.056	1.605	1.995	2.586	0.641	0.000	0.422	0.000	4.837	6.644	0.406	0.393	393.866	36.00K
2prf	2048	2	4	s	12028.526	1.748	2.225	2.420	0.641	0.000	0.422	0.000	1.012	1.169	0.082	0.073	153.120	4.00K
2prf	2048	8	4	s	20682.407	1.769	2.225	2.453	0.641	0.000	0.422	0.000	2.022	2.728	0.206	0.195	254.997	16.00K
2prf	2048	16	4	s	32220.916	1.797	2.225	2.497	0.641	0.000	0.422	0.000	3.368	4.802	0.372	0.358	390.833	32.00K
2prf	2048	24	4	s	43725.945	1.826	2.224	2.543	0.641	0.000	0.422	0.000	4.703	6.834	0.537	0.520	526.669	48.00K
2prf	2048	32	4	s	55297.934	1.855	2.226	2.591	0.641	0.000	0.422	0.000	6.023	8.627	0.702	0.683	662.505	64.00K
2prf	2048	36	4	s	61067.168	1.869	2.227	2.615	0.641	0.000	0.422	0.000	6.683	9.816	0.785	0.764	730.423	72.00K
2prf	32	2	8	f	1751.395	1.065	1.767	1.862	0.641	0.000	0.422	0.000	0.782	0.733	0.015	0.012	26.437	0.06K
2prf	32	4	8	f	2428.935	1.087	1.766	1.861	0.641	0.000	0.422	0.000	1.137	1.085	0.017	0.014	31.642	0.12K
2prf	32	8	8	f	3784.013	1.132	1.766	1.860	0.641	0.000	0.422	0.000	1.846	1.789	0.021	0.018	42.054	0.25K
2prf	32	12	8	f	5139.091	1.178	1.765	1.859	0.641	0.000	0.422	0.000	2.631	2.453	0.026	0.021	52.466	0.38K
2prf	32	16	8	f	6494.170	1.225	1.764	1.859	0.641	0.000	0.422	0.000	3.482	3.076	0.031	0.025	62.877	0.50K
2prf	32	18	8	f	7171.709	1.248	1.764	1.860	0.641	0.000	0.422	0.000	3.915	3.383	0.033	0.027	68.083	0.56K
2prf	64	2	8	f	1930.761	1.080	1.770	1.874	0.641	0.000	0.422	0.000	0.767	0.741	0.015	0.013	27.616	0.12K
2prf	64	4	8	f	2677.689	1.102	1.769	1.874	0.641	0.000	0.422	0.000	1.102	1.097	0.018	0.015	33.250	0.25K
2prf	64	8	8	f	4171.545	1.146	1.769	1.874	0.641	0.000	0.422	0.000	1.773	1.809	0.024	0.020	44.518	0.50K
2prf	64	12	8	f	5665.401	1.192	1.768	1.873	0.641	0.000	0.422	0.000	2.499	2.483	0.030	0.025	55.785	0.75K
2prf	64	16	8	f	7159.257	1.239	1.768	1.872	0.641	0.000	0.422	0.000	3.280	3.283	0.115	0.036	67.053	1.00K
2prf	64	18	8	f	7906.185	1.262	1.767	1.873	0.641	0.000	0.422	0.000	3.682	3.426	0.039	0.033	72.687	1.12K
2prf	128	4	8	f	2116.579	1.122	1.777	1.915	0.641	0.000	0.422	0.000	0.753	0.756	0.017	0.014	29.976	0.25K
2prf	128	8	8	f	2935.391	1.144	1.776	1.915	0.641	0.000	0.422	0.000	1.062	1.120	0.021	0.018	36.466	0.50K
2prf	128	16	8	f	4573.017	1.188	1.775	1.915	0.641	0.000	0.422	0.000	1.678	1.850	0.030	0.025	49.445	1.00K
2prf	128	12	8	f	6210.643	1.234	1.775	1.912	0.641	0.000	0.422	0.000	2.341	2.540	0.038	0.033	62.425	1.50K
2prf	128	16	8	f	7848.268	1.281	1.774	1.912	0.641	0.000	0.422	0.000	3.063	3.186	0.046	0.040	75.404	2.00K
2prf	128	18	8	f	8667.081	1.304	1.773	1.912	0.641	0.000	0.422	0.000	3.432	3.503	0.050	0.044	81.894	2.25K
2prf	256	2	8	f	2670.483	1.131	1.790	1.915	0.641	0.000	0.422	0.000	0.755	0.784	0.021	0.018	36.171	0.50K
2prf	256	4	8	f	3703.577	1.153	1.790	1.915	0.641	0.000	0.422	0.000	1.048	1.164	0.028	0.024	45.498	1.00K
2prf	256	8	8	f	5769.766	1.197	1.789	1.914	0.641	0.000	0.422	0.000	1.635	1.925	0.041	0.036	64.153	2.00K
2prf	256	12	8	f	7835.955	1.242	1.789	1.912	0.641	0.000	0.422	0.000	2.257	2.643	0.055	0.049	82.808	3.00K
2prf	256	16	8	f	9902.144	1.289	1.788	1.912	0.641	0.000	0.422	0.000	2.921	3.314	0.069	0.062	101.463	4.00K
2prf	256	18	8	f	10935.238	1.313	1.788	1.912	0.641	0.000	0.422	0.000	3.258	3.644	0.075	0.068	110.791	4.50K
2prf	512	2	8	f	3778.291	1.148	1.818	1.915	0.641	0.000	0.422	0.000</td						

type	word	io	mux	seg	drawing dimension area (μm^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc ($\mu\text{A}/\text{MHz}$)	writec ($\mu\text{A}/\text{MHz}$)	leakage (μA)	Leakage_pd (μA)	Leakage_ffg (μA)	Total KBits
2prf	256	18	8	m	10188.873	1.388	1.786	1.992	0.641	0.000	0.422	0.000	2.926	3.638	0.073	0.067	100.308	4.50K
2prf	512	2	8	m	3413.753	1.220	1.818	1.994	0.641	0.000	0.422	0.000	0.781	0.848	0.027	0.024	45.609	1.00K
2prf	512	4	8	m	4734.387	1.241	1.818	1.994	0.641	0.000	0.422	0.000	1.065	1.257	0.039	0.035	58.360	2.00K
2prf	512	8	8	m	7375.654	1.285	1.818	1.993	0.641	0.000	0.422	0.000	1.631	2.077	0.063	0.058	83.863	4.00K
2prf	512	12	8	m	10016.921	1.331	1.817	1.997	0.641	0.000	0.422	0.000	2.211	2.851	0.086	0.080	109.365	6.00K
2prf	512	16	8	m	12658.188	1.378	1.817	2.010	0.641	0.000	0.422	0.000	2.807	3.568	0.110	0.103	134.868	8.00K
2prf	512	18	8	m	13978.822	1.403	1.816	2.017	0.641	0.000	0.422	0.000	3.107	3.920	0.122	0.114	147.619	9.00K
2prf	1024	2	8	m	5264.832	1.249	1.877	1.993	0.641	0.000	0.422	0.000	0.856	0.936	0.042	0.037	67.437	2.00K
2prf	1024	4	8	m	7301.568	1.271	1.877	1.993	0.641	0.000	0.422	0.000	1.184	1.403	0.064	0.058	89.288	4.00K
2prf	1024	8	8	m	11375.040	1.314	1.876	1.992	0.641	0.000	0.422	0.000	1.841	2.337	0.108	0.101	132.989	8.00K
2prf	1024	12	8	m	15448.512	1.360	1.876	2.007	0.641	0.000	0.422	0.000	2.494	3.229	0.152	0.144	176.690	12.00K
2prf	1024	16	8	m	19521.984	1.408	1.876	2.046	0.641	0.000	0.422	0.000	3.143	4.069	0.197	0.186	220.391	16.00K
2prf	1024	18	8	m	21558.720	1.432	1.876	2.067	0.641	0.000	0.422	0.000	3.467	4.483	0.219	0.208	242.241	18.00K
2prf	2048	2	8	m	8966.990	1.305	1.995	2.040	0.641	0.000	0.422	0.000	1.010	1.109	0.070	0.063	111.093	4.00K
2prf	2048	4	8	m	12435.930	1.326	1.995	2.050	0.641	0.000	0.422	0.000	1.439	1.682	0.113	0.105	151.142	8.00K
2prf	2048	8	8	m	19373.812	1.369	1.994	2.072	0.641	0.000	0.422	0.000	2.298	2.827	0.198	0.187	231.240	16.00K
2prf	2048	12	8	m	26311.694	1.415	1.994	2.096	0.641	0.000	0.422	0.000	3.157	3.931	0.284	0.270	311.338	24.00K
2prf	2048	16	8	m	33249.975	1.462	1.994	2.123	0.641	0.000	0.422	0.000	4.010	4.985	0.370	0.353	391.436	32.00K
2prf	2048	18	8	m	36718.516	1.485	1.993	2.136	0.641	0.000	0.422	0.000	4.436	5.505	0.413	0.395	431.485	36.00K
2prf	288	2	8	s	2581.123	1.225	1.793	2.014	0.641	0.000	0.422	0.000	0.751	0.811	0.021	0.018	35.875	0.56K
2prf	288	4	8	s	3579.647	1.247	1.792	2.015	0.641	0.000	0.422	0.000	1.016	1.197	0.029	0.025	44.505	1.12K
2prf	288	8	8	s	5576.697	1.290	1.792	2.018	0.641	0.000	0.422	0.000	1.544	1.970	0.043	0.039	61.764	2.25K
2prf	288	12	8	s	7573.747	1.336	1.792	2.022	0.641	0.000	0.422	0.000	2.092	2.694	0.057	0.052	79.023	3.38K
2prf	288	16	8	s	9570.796	1.384	1.791	2.028	0.641	0.000	0.422	0.000	2.663	3.360	0.072	0.066	96.282	4.50K
2prf	288	18	8	s	10569.321	1.408	1.790	2.031	0.641	0.000	0.422	0.000	2.951	3.686	0.079	0.073	104.912	5.06K
2prf	512	2	8	s	3231.484	1.366	1.818	2.149	0.641	0.000	0.422	0.000	0.804	0.866	0.027	0.024	44.133	1.00K
2prf	512	4	8	s	4481.606	1.387	1.817	2.163	0.641	0.000	0.422	0.000	1.092	1.285	0.039	0.035	55.759	2.00K
2prf	512	8	8	s	6981.849	1.431	1.817	2.189	0.641	0.000	0.422	0.000	1.668	2.124	0.062	0.057	79.010	4.00K
2prf	512	12	8	s	9482.092	1.477	1.817	2.231	0.641	0.000	0.422	0.000	2.248	2.917	0.085	0.080	102.260	6.00K
2prf	512	16	8	s	11982.335	1.525	1.816	2.278	0.641	0.000	0.422	0.000	2.831	3.658	0.108	0.102	125.511	8.00K
2prf	512	18	8	s	13232.457	1.549	1.816	2.302	0.641	0.000	0.422	0.000	3.123	4.022	0.120	0.113	137.136	9.00K
2prf	1024	2	8	s	4900.294	1.422	1.877	2.235	0.641	0.000	0.422	0.000	0.590	0.652	0.041	0.037	64.486	2.00K
2prf	1024	4	8	s	6796.006	1.441	1.877	2.251	0.641	0.000	0.422	0.000	1.236	1.423	0.063	0.058	84.085	4.00K
2prf	1024	8	8	s	10587.430	1.479	1.876	2.283	0.641	0.000	0.422	0.000	1.934	2.365	0.106	0.100	123.282	8.00K
2prf	1024	12	8	s	14378.854	1.519	1.875	2.327	0.641	0.000	0.422	0.000	2.629	3.263	0.150	0.142	162.479	12.00K
2prf	1024	16	8	s	18170.278	1.560	1.875	2.374	0.641	0.000	0.422	0.000	3.323	4.110	0.193	0.185	201.677	16.00K
2prf	1024	18	8	s	20665.990	1.581	1.875	2.398	0.641	0.000	0.422	0.000	3.670	4.527	0.215	0.206	221.275	18.00K
2prf	2048	2	8	s	8237.914	1.534	1.995	2.407	0.641	0.000	0.422	0.000	1.061	1.124	0.068	0.062	105.190	4.00K
2prf	2048	4	8	s	11424.806	1.548	1.995	2.428	0.641	0.000	0.422	0.000	1.529	1.698	0.110	0.103	140.736	8.00K
2prf	2048	8	8	s	17798.592	1.576	1.994	2.472	0.641	0.000	0.422	0.000	2.465	2.848	0.194	0.186	211.827	16.00K
2prf	2048	12	8	s	24172.378	1.603	1.993	2.517	0.641	0.000	0.422	0.000	3.392	3.956	0.278	0.268	282.918	24.00K
2prf	2048	16	8	s	30546.163	1.632	1.993	2.566	0.641	0.000	0.422	0.000	4.308	5.014	0.362	0.350	354.008	32.00K
2prf	2048	18	8	s	33733.056	1.646	1.994	2.591	0.641	0.000	0.422	0.000	4.765	5.537	0.404	0.392	389.554	36.00K
2prf	4096	2	8	f	14913.153	1.799	2.226	2.436	0.641	0.000	0.422	0.000	1.356	1.477	0.123	0.114	186.600	8.00K
2prf	4096	4	8	f	20682.407	1.814	2.225	2.457	0.641	0.000	0.422	0.000	2.015	2.263	0.206	0.195	254.039	16.00K
2prf	4096	8	8	f	32220.916	1.842	2.224	2.499	0.641	0.000	0.422	0.000	3.332	3.836	0.371	0.357	388.916	32.00K
2prf	4096	12	8	f	43759.425	1.871	2.224	2.544	0.641	0.000	0.422	0.000	4.642	5.365	0.536	0.519	523.794	48.00K
2prf	4096	16	8	f	55297.934	1.898	2.223	2.591	0.641	0.000	0.422	0.000	5.948	6.842	0.701	0.682	658.672	64.00K
2prf	4096	18	8	f	61067.188	1.912	2.223	2.615	0.641	0.000	0.422	0.000	6.601	7.574	0.784	0.763	726.111	72.00K
2prf	64	2	16	f	2428.935	1.245	1.770	1.861	0.641	0.000	0.422	0.000	1.118	1.089	0.017	0.014	31.117	0.12K
2prf	64	4	16	f	3784.013	1.278	1.769	1.859	0.641	0.000	0.422	0.000	1.753	1.772	0.021	0.017	41.003	0.25K
2prf	64	6	16	f	5139.091	1.324	1.769	1.860	0.641	0.000	0.422	0.000	2.503	2.419	0.026	0.021	50.888	0.38K
2prf	64	8	16	f	6494.170	1.369	1.768	1.859	0.641	0.000	0.422	0.000	3.323	3.013	0.030	0.024	60.774	0.50K
2prf	64	9	16	f	7171.709	1.392	1.767	1.858	0.641	0.000	0.422	0.000	3.733	3.310	0.032	0.026	65.717	0.56K
2prf	128	2	16	f	2677.689	1.259	1.773	1.874	0.641	0.000	0.422	0.000	1.086	1.098	0.018	0.015	32.724	0.25K
2prf	128	4	16	f	4171.545	1.292	1.772	1.873	0.641	0.000	0.422	0.000	1.677	1.788	0.024	0.020	43.466	0.50K
2prf	128	6	16	f	5665.401	1.339	1.772	1.873	0.641	0.000	0.422	0.000	2.361	2.442	0.029			

type	word	io	mux	seg	drawing dimension area (μm^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc ($\mu\text{A}/\text{MHz}$)	writec ($\mu\text{A}/\text{MHz}$)	leakage (μA)	Leakage_pd (μA)	Leakage_ffg (μA)	Total KBits
Zprf	320	4	16	m	4773.753	1.354	1.781	1.933	0.641	0.000	0.422	0.000	1.549	1.835	0.032	0.028	50.857	1.25K
Zprf	320	6	16	m	6483.263	1.401	1.781	1.933	0.641	0.000	0.422	0.000	2.151	2.504	0.041	0.036	64.167	1.88K
Zprf	320	8	16	m	8192.774	1.445	1.781	1.932	0.641	0.000	0.422	0.000	2.797	3.114	0.051	0.045	77.477	2.50K
Zprf	320	9	16	m	9047.529	1.467	1.781	1.931	0.641	0.000	0.422	0.000	3.120	3.419	0.055	0.049	84.131	2.81K
Zprf	512	2	16	m	3450.796	1.383	1.793	1.993	0.641	0.000	0.422	0.000	0.990	1.174	0.027	0.023	42.371	1.00K
Zprf	512	4	16	m	5375.961	1.416	1.791	1.991	0.641	0.000	0.422	0.000	1.436	1.893	0.040	0.036	58.248	2.00K
Zprf	512	6	16	m	7301.126	1.462	1.791	1.992	0.641	0.000	0.422	0.000	1.956	2.568	0.053	0.048	74.126	3.00K
Zprf	512	8	16	m	9226.291	1.507	1.791	1.991	0.641	0.000	0.422	0.000	2.475	3.176	0.066	0.060	90.003	4.00K
Zprf	512	9	16	m	10188.873	1.529	1.791	1.990	0.641	0.000	0.422	0.000	2.734	3.480	0.073	0.067	97.942	4.50K
Zprf	1024	2	16	m	4734.387	1.397	1.822	1.993	0.641	0.000	0.422	0.000	1.049	1.231	0.039	0.035	57.835	2.00K
Zprf	1024	4	16	m	7375.654	1.430	1.820	1.991	0.641	0.000	0.422	0.000	1.548	1.992	0.063	0.057	82.811	4.00K
Zprf	1024	6	16	m	10016.921	1.476	1.820	1.993	0.641	0.000	0.422	0.000	2.104	2.712	0.086	0.080	107.788	6.00K
Zprf	1024	8	16	m	12658.188	1.521	1.820	2.009	0.641	0.000	0.422	0.000	2.655	3.368	0.109	0.102	132.765	8.00K
Zprf	1024	9	16	m	13978.822	1.544	1.820	2.017	0.641	0.000	0.422	0.000	2.931	3.696	0.121	0.113	145.253	9.00K
Zprf	2048	2	16	m	7301.568	1.427	1.880	1.992	0.641	0.000	0.422	0.000	1.168	1.346	0.064	0.058	88.762	4.00K
Zprf	2048	4	16	m	11375.040	1.459	1.879	1.991	0.641	0.000	0.422	0.000	1.771	2.190	0.108	0.101	131.937	8.00K
Zprf	2048	6	16	m	15448.512	1.504	1.878	1.996	0.641	0.000	0.422	0.000	2.399	3.000	0.152	0.143	175.112	12.00K
Zprf	2048	8	16	m	19521.984	1.550	1.879	2.045	0.641	0.000	0.422	0.000	3.016	3.752	0.196	0.186	218.287	16.00K
Zprf	2048	9	16	m	21558.720	1.573	1.879	2.069	0.641	0.000	0.422	0.000	3.325	4.128	0.218	0.207	239.875	18.00K
Zprf	4096	2	16	m	12435.930	1.482	1.998	2.054	0.641	0.000	0.422	0.000	1.421	1.561	0.112	0.104	150.617	8.00K
Zprf	4096	4	16	m	19373.812	1.514	1.996	2.058	0.641	0.000	0.422	0.000	2.221	2.557	0.198	0.187	230.189	16.00K
Zprf	4096	6	16	m	26311.694	1.560	1.996	2.084	0.641	0.000	0.422	0.000	3.058	3.519	0.284	0.270	309.761	24.00K
Zprf	4096	9	16	m	33249.575	1.605	1.995	2.111	0.641	0.000	0.422	0.000	3.881	4.421	0.369	0.353	389.333	32.00K
Zprf	4096	16	s	s	36718.516	1.627	1.995	2.125	0.641	0.000	0.422	0.000	4.292	4.872	0.412	0.394	429.119	36.00K
Zprf	576	2	16	s	3579.647	1.403	1.796	2.012	0.641	0.000	0.422	0.000	1.000	1.184	0.028	0.025	43.979	1.12K
Zprf	576	4	16	s	5576.697	1.436	1.795	2.015	0.641	0.000	0.422	0.000	1.455	1.909	0.043	0.038	60.712	2.25K
Zprf	576	6	16	s	7573.747	1.482	1.795	2.022	0.641	0.000	0.422	0.000	1.981	2.591	0.057	0.052	77.445	3.38K
Zprf	576	8	16	s	9570.796	1.527	1.795	2.027	0.641	0.000	0.422	0.000	2.503	3.207	0.071	0.066	94.179	4.50K
Zprf	576	9	16	s	10569.321	1.549	1.795	2.029	0.641	0.000	0.422	0.000	2.764	3.515	0.079	0.072	102.545	5.06K
Zprf	1024	2	16	s	4481.606	1.542	1.821	2.146	0.641	0.000	0.422	0.000	1.073	1.250	0.039	0.035	55.233	2.00K
Zprf	1024	4	16	s	6391.849	1.575	1.820	2.182	0.641	0.000	0.422	0.000	1.591	2.022	0.062	0.057	77.958	4.00K
Zprf	1024	6	16	s	9482.092	1.621	1.820	2.230	0.641	0.000	0.422	0.000	2.154	2.754	0.085	0.079	100.683	6.00K
Zprf	1024	8	16	s	11982.335	1.667	1.819	2.277	0.641	0.000	0.422	0.000	2.701	3.425	0.108	0.101	123.408	8.00K
Zprf	1024	9	16	s	13232.457	1.689	1.819	2.300	0.641	0.000	0.422	0.000	2.975	3.760	0.119	0.113	134.770	9.00K
Zprf	2048	2	16	s	6796.006	1.570	1.880	2.242	0.641	0.000	0.422	0.000	1.218	1.358	0.062	0.058	83.559	4.00K
Zprf	2048	4	16	s	10587.430	1.601	1.878	2.278	0.641	0.000	0.422	0.000	1.855	2.205	0.106	0.100	122.230	8.00K
Zprf	2048	6	16	s	14378.854	1.647	1.879	2.325	0.641	0.000	0.422	0.000	2.534	3.016	0.149	0.142	160.902	12.00K
Zprf	2048	8	16	s	18170.278	1.693	1.878	2.372	0.641	0.000	0.422	0.000	3.193	3.764	0.192	0.184	199.574	16.00K
Zprf	2048	9	16	s	20065.990	1.715	1.877	2.399	0.641	0.000	0.422	0.000	3.522	4.137	0.214	0.205	218.909	18.00K
Zprf	4096	2	16	s	11424.806	1.626	1.997	2.434	0.641	0.000	0.422	0.000	1.508	1.575	0.110	0.103	140.210	8.00K
Zprf	4096	4	16	s	17798.592	1.654	1.995	2.470	0.641	0.000	0.422	0.000	2.382	2.573	0.194	0.185	210.775	16.00K
Zprf	4096	6	16	s	24172.378	1.700	1.996	2.516	0.641	0.000	0.422	0.000	3.294	3.540	0.278	0.268	281.340	24.00K
Zprf	4096	8	16	s	30546.163	1.745	1.995	2.563	0.641	0.000	0.422	0.000	4.177	4.441	0.362	0.350	351.905	32.00K
Zprf	4096	9	16	s	33733.056	1.767	1.994	2.586	0.641	0.000	0.422	0.000	4.618	4.892	0.404	0.391	387.188	36.00K
Zprf	8192	2	16	s	20682.407	1.894	2.226	2.463	0.641	0.000	0.422	0.000	1.995	2.013	0.206	0.195	253.513	16.00K
Zprf	8192	4	16	s	32220.916	1.920	2.224	2.496	0.641	0.000	0.422	0.000	3.251	3.312	0.371	0.357	387.865	32.00K
Zprf	8192	6	16	s	43759.425	1.949	2.224	2.541	0.641	0.000	0.422	0.000	4.540	4.574	0.536	0.519	522.217	48.00K
Zprf	8192	8	16	s	55297.934	1.977	2.224	2.589	0.641	0.000	0.422	0.000	5.810	5.780	0.701	0.681	656.569	64.00K
Zprf	8192	9	16	s	61067.188	1.992	2.224	2.613	0.641	0.000	0.422	0.000	6.445	6.382	0.783	0.762	723.745	72.00K

lfp21v125c																			
type	word	io	mux	seg	drawing dimension area (um^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc (uA/MHz)	writec (uA/MHz)	leakage (uA)	Leakage_pd (uA)	Leakage_ffg (uA)	Total KBits	
2pfr	8	2	2	f	1243.241	0.329	0.648	0.691	0.214	0.000	0.159	0.000	0.769	0.629	44.777	44.237	22.887	0.02K	
2pfr	8	16	2	f	2428.935	0.351	0.648	0.691	0.214	0.000	0.159	0.000	1.800	1.451	66.634	59.837	34.483	0.12K	
2pfr	8	32	2	f	3784.013	0.376	0.648	0.692	0.214	0.000	0.159	0.000	2.978	2.391	91.614	77.664	47.736	0.25K	
2pfr	8	48	2	f	5139.091	0.401	0.648	0.692	0.214	0.000	0.159	0.000	4.280	3.313	116.593	95.492	60.988	0.38K	
2pfr	8	64	2	f	6494.170	0.428	0.648	0.699	0.214	0.000	0.159	0.000	5.691	4.225	141.573	113.320	74.240	0.50K	
2pfr	8	72	2	f	7171.709	0.442	0.648	0.704	0.214	0.000	0.159	0.000	6.417	4.680	154.063	122.234	80.866	0.56K	
2pfr	16	2	2	f	1370.565	0.334	0.649	0.695	0.214	0.000	0.159	0.000	0.759	0.624	46.250	44.530	23.746	0.03K	
2pfr	16	16	2	f	2677.689	0.356	0.650	0.695	0.214	0.000	0.159	0.000	1.755	1.471	69.763	61.785	36.091	0.25K	
2pfr	16	32	2	f	4171.545	0.380	0.650	0.696	0.214	0.000	0.159	0.000	2.894	2.438	96.634	81.504	50.199	0.50K	
2pfr	16	48	2	f	5665.401	0.406	0.649	0.696	0.214	0.000	0.159	0.000	4.141	3.395	123.505	101.224	64.307	0.75K	
2pfr	16	64	2	f	7159.257	0.433	0.649	0.701	0.214	0.000	0.159	0.000	5.496	4.334	150.377	120.944	78.416	1.00K	
2pfr	16	72	2	f	7906.185	0.446	0.649	0.705	0.214	0.000	0.159	0.000	6.195	4.799	163.812	130.803	85.470	1.12K	
2pfr	32	2	2	f	1502.469	0.347	0.653	0.707	0.214	0.000	0.159	0.000	0.741	0.617	49.196	45.116	25.464	0.06K	
2pfr	32	16	2	f	2935.391	0.368	0.653	0.707	0.214	0.000	0.159	0.000	1.702	1.516	76.019	65.681	39.306	0.50K	
2pfr	32	32	2	f	4573.017	0.393	0.653	0.707	0.214	0.000	0.159	0.000	2.800	2.544	106.674	89.185	55.127	1.00K	
2pfr	32	48	2	f	6210.643	0.419	0.652	0.707	0.214	0.000	0.159	0.000	4.000	3.556	137.329	112.688	70.947	1.50K	
2pfr	32	64	2	f	7848.268	0.445	0.652	0.714	0.214	0.000	0.159	0.000	5.300	4.556	167.984	136.191	86.767	2.00K	
2pfr	32	72	2	f	8667.081	0.459	0.652	0.720	0.214	0.000	0.159	0.000	5.970	5.054	183.312	147.943	94.677	2.25K	
2pfr	64	2	2	f	1895.662	0.350	0.659	0.707	0.214	0.000	0.159	0.000	0.760	0.652	56.372	46.950	29.530	0.12K	
2pfr	64	16	2	f	3703.577	0.372	0.659	0.707	0.214	0.000	0.159	0.000	1.694	1.636	93.910	74.376	48.333	1.00K	
2pfr	64	32	2	f	5769.766	0.396	0.659	0.707	0.214	0.000	0.159	0.000	2.761	2.760	136.810	105.720	69.835	2.00K	
2pfr	64	48	2	f	7835.955	0.422	0.659	0.709	0.214	0.000	0.159	0.000	3.924	3.865	179.711	137.064	91.330	3.00K	
2pfr	64	64	2	f	9902.144	0.449	0.658	0.717	0.214	0.000	0.159	0.000	5.184	4.956	222.611	168.408	112.826	4.00K	
2pfr	64	72	2	f	10935.238	0.463	0.658	0.723	0.214	0.000	0.159	0.000	5.834	5.499	244.061	184.081	123.574	4.50K	
2pfr	128	2	2	f	2682.048	0.357	0.671	0.707	0.214	0.000	0.159	0.000	0.796	0.722	70.723	50.617	37.664	0.25K	
2pfr	128	16	2	f	5239.949	0.378	0.671	0.707	0.214	0.000	0.159	0.000	1.677	1.875	129.691	91.764	66.404	2.00K	
2pfr	128	32	2	f	8163.264	0.403	0.671	0.707	0.214	0.000	0.159	0.000	2.683	3.192	197.082	138.791	99.251	4.00K	
2pfr	128	48	2	f	11086.579	0.429	0.671	0.711	0.214	0.000	0.159	0.000	3.771	4.488	264.474	185.817	132.098	6.00K	
2pfr	128	64	2	f	14009.894	0.456	0.671	0.723	0.214	0.000	0.159	0.000	4.952	5.756	331.865	232.843	164.944	8.00K	
2pfr	128	72	2	f	15471.552	0.469	0.671	0.730	0.214	0.000	0.159	0.000	5.362	6.385	365.591	255.356	181.367	9.00K	
2pfr	256	2	2	f	4254.820	0.369	0.695	0.711	0.214	0.000	0.159	0.000	0.838	0.607	99.427	57.950	53.930	0.50K	
2pfr	256	16	2	f	8313.692	0.391	0.695	0.721	0.214	0.000	0.159	0.000	1.770	2.266	201.253	126.542	102.535	4.00K	
2pfr	256	32	2	f	12950.260	0.415	0.695	0.733	0.214	0.000	0.159	0.000	2.833	3.934	317.627	204.932	158.084	8.00K	
2pfr	256	48	2	f	17587.828	0.441	0.695	0.743	0.214	0.000	0.159	0.000	3.960	5.577	434.000	283.323	213.632	12.00K	
2pfr	256	64	2	f	22225.396	0.468	0.694	0.754	0.214	0.000	0.159	0.000	5.172	7.203	550.373	361.713	269.181	16.00K	
2pfr	256	72	2	f	24544.180	0.481	0.698	0.759	0.214	0.000	0.159	0.000	5.798	8.013	608.559	400.908	296.955	18.00K	
2pfr	40	2	2	m	1568.421	0.353	0.654	0.713	0.214	0.000	0.159	0.000	0.754	0.635	50.669	45.409	26.323	0.08K	
2pfr	40	16	2	m	3064.243	0.374	0.654	0.713	0.214	0.000	0.159	0.000	1.702	1.563	79.147	67.629	40.914	0.62K	
2pfr	40	32	2	m	4773.753	0.399	0.654	0.713	0.214	0.000	0.159	0.000	2.785	2.624	111.694	93.025	57.590	1.25K	
2pfr	40	48	2	m	6483.263	0.425	0.654	0.716	0.214	0.000	0.159	0.000	3.967	3.665	144.241	118.420	74.266	1.88K	
2pfr	40	64	2	m	8192.774	0.451	0.654	0.726	0.214	0.000	0.159	0.000	5.241	4.693	176.788	143.815	90.942	2.50K	
2pfr	40	72	2	m	9047.529	0.465	0.654	0.733	0.214	0.000	0.159	0.000	5.897	5.204	193.061	156.512	99.280	2.81K	
2pfr	64	2	2	m	1766.277	0.371	0.659	0.730	0.214	0.000	0.159	0.000	0.793	0.689	55.087	46.287	28.899	0.12K	
2pfr	64	16	2	m	3450.796	0.392	0.659	0.730	0.214	0.000	0.159	0.000	1.702	1.704	88.532	73.474	45.737	1.00K	
2pfr	64	32	2	m	5375.961	0.417	0.659	0.730	0.214	0.000	0.159	0.000	2.741	2.863	126.754	104.545	64.981	2.00K	
2pfr	64	48	2	m	7301.126	0.443	0.659	0.742	0.214	0.000	0.159	0.000	3.867	3.995	164.977	135.615	84.225	3.00K	
2pfr	64	64	2	m	9226.291	0.469	0.659	0.762	0.214	0.000	0.159	0.000	5.065	5.104	203.199	166.686	103.469	4.00K	
2pfr	64	72	2	m	10188.873	0.483	0.659	0.772	0.214	0.000	0.159	0.000	5.676	5.654	222.310	182.221	113.091	4.50K	
2pfr	128	2	2	m	2423.278	0.377	0.671	0.735	0.214	0.000	0.159	0.000	0.812	0.732	68.154	49.292	36.401	0.25K	
2pfr	128	16	2	m	4734.387	0.398	0.671	0.742	0.214	0.000	0.159	0.000	1.728	1.897	118.935	89.961	61.201	2.00K	
2pfr	128	32	2	m	7375.654	0.423	0.671	0.749	0.214	0.000	0.159	0.000	2.775	3.229	176.970	136.440	89.544	4.00K	
2pfr	128	48	2	m	10016.921	0.448	0.671	0.764	0.214	0.000	0.159	0.000	3.896	4.535	235.005	182.919	117.887	6.00K	
2pfr	128	64	2	m	12558.188	0.475	0.671	0.785	0.214	0.000	0.159	0.000	5.088	5.820	293.041	229.398	146.230	8.00K	
2pfr	128	72	2	m	13978.822	0.489	0.671	0.796	0.214	0.000	0.159	0.000	5.697	6.458	322.058	252.638	160.402	9.00K	
2pfr	256	2	2	m	3737.280	0.388	0.695	0.747	0.214	0.000	0.159	0.000	0.850	0.816	94.288	55.302	51.404	0.50K	
2pfr	256	16	2	m	7301.568	0.409	0.695	0.765	0.214	0.000	0.159	0.000	1.781	2.284	179.742	122.936	92.128	4.	

type	word	io	mux	seg	drawing dimension area (μm^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc ($\mu\text{A}/\text{MHz}$)	writec ($\mu\text{A}/\text{MHz}$)	leakage (μA)	Leakage_pd (μA)	Leakage_ffg (μA)	Total KBits
2prf	256	16	2	s	6796.006	0.455	0.694	0.888	0.214	0.000	0.159	0.000	1.913	2.361	168.986	121.133	86.925	4.00K
2prf	256	32	2	s	10587.430	0.476	0.694	0.909	0.214	0.000	0.159	0.000	3.089	4.102	257.291	197.881	128.963	8.00K
2prf	256	48	2	s	14378.854	0.499	0.694	0.931	0.214	0.000	0.159	0.000	4.319	5.821	345.595	274.630	171.001	12.00K
2prf	256	64	2	s	18170.278	0.525	0.694	0.953	0.214	0.000	0.159	0.000	5.615	7.519	433.900	351.378	213.039	16.00K
2prf	256	72	2	s	20065.990	0.539	0.695	0.965	0.214	0.000	0.159	0.000	6.276	8.365	478.052	389.752	234.058	18.00K
2prf	512	2	2	s	5847.744	0.476	0.739	0.959	0.214	0.000	0.159	0.000	0.989	1.006	141.419	64.674	78.886	1.00K
2prf	512	16	2	s	11424.806	0.488	0.739	0.977	0.214	0.000	0.159	0.000	2.260	3.105	279.844	185.279	143.576	8.00K
2prf	512	32	2	s	17798.592	0.502	0.739	0.998	0.214	0.000	0.159	0.000	3.711	5.503	438.043	323.113	217.508	16.00K
2prf	512	48	2	s	24172.378	0.520	0.757	1.019	0.214	0.000	0.159	0.000	5.192	7.878	596.243	460.948	291.440	24.00K
2prf	512	64	2	s	30546.163	0.544	0.778	1.042	0.214	0.000	0.159	0.000	6.723	10.238	754.443	598.782	365.371	32.00K
2prf	512	72	2	s	33733.056	0.557	0.789	1.053	0.214	0.000	0.159	0.000	7.500	11.416	833.543	667.700	402.337	36.00K
2prf	1024	2	2	s	10586.212	0.607	0.906	0.972	0.214	0.000	0.159	0.000	1.214	1.359	240.818	86.064	136.376	2.00K
2prf	1024	16	2	s	20682.407	0.620	0.922	0.990	0.214	0.000	0.159	0.000	3.057	4.688	501.559	313.571	256.879	16.00K
2prf	1024	32	2	s	32220.916	0.636	0.939	1.010	0.214	0.000	0.159	0.000	5.163	8.492	799.549	573.577	394.598	32.00K
2prf	1024	48	2	s	43759.425	0.650	0.958	1.032	0.214	0.000	0.159	0.000	7.306	12.276	1097.540	833.584	532.316	48.00K
2prf	1024	64	2	s	55297.934	0.665	0.979	1.054	0.214	0.000	0.159	0.000	9.502	16.044	1395.530	1093.590	670.034	64.00K
2prf	1024	72	2	s	61067.188	0.673	0.989	1.065	0.214	0.000	0.159	0.000	10.613	17.925	1544.520	1223.600	738.894	72.00K
2prf	16	2	4	f	1412.626	0.344	0.648	0.691	0.214	0.000	0.159	0.000	0.878	0.735	47.072	45.571	24.073	0.03K
2prf	16	8	4	f	2428.935	0.360	0.648	0.691	0.214	0.000	0.159	0.000	1.649	1.391	63.326	56.257	32.601	0.12K
2prf	16	16	4	f	3784.013	0.381	0.648	0.691	0.214	0.000	0.159	0.000	2.678	2.266	84.998	70.505	43.971	0.25K
2prf	16	24	4	f	5139.091	0.403	0.648	0.692	0.214	0.000	0.159	0.000	3.806	3.113	106.667	84.753	55.341	0.38K
2prf	16	32	4	f	6494.170	0.426	0.648	0.697	0.214	0.000	0.159	0.000	5.031	3.932	128.338	99.001	66.711	0.50K
2prf	16	36	4	f	7171.709	0.438	0.648	0.701	0.214	0.000	0.159	0.000	5.662	4.336	139.173	106.124	72.396	0.56K
2prf	32	2	4	f	1557.397	0.348	0.649	0.695	0.214	0.000	0.159	0.000	0.863	0.732	48.782	46.100	25.039	0.06K
2prf	32	8	4	f	2677.689	0.364	0.649	0.695	0.214	0.000	0.159	0.000	1.604	1.401	66.454	58.205	34.209	0.25K
2prf	32	16	4	f	4171.545	0.385	0.650	0.695	0.214	0.000	0.159	0.000	2.592	2.292	90.016	74.345	46.434	0.50K
2prf	32	24	4	f	5665.401	0.407	0.650	0.695	0.214	0.000	0.159	0.000	3.668	3.160	113.579	90.484	58.660	0.75K
2prf	32	32	4	f	7159.257	0.430	0.649	0.698	0.214	0.000	0.159	0.000	4.837	3.995	137.141	106.624	70.886	1.00K
2prf	32	36	4	f	7906.185	0.442	0.649	0.702	0.214	0.000	0.159	0.000	5.440	4.405	148.923	114.694	76.999	1.12K
2prf	64	2	4	f	1707.172	0.361	0.652	0.707	0.214	0.000	0.159	0.000	0.842	0.728	52.200	47.159	26.971	0.12K
2prf	64	8	4	f	2935.351	0.377	0.652	0.707	0.214	0.000	0.159	0.000	1.553	1.419	72.710	62.102	37.424	0.50K
2prf	64	16	4	f	4573.017	0.398	0.653	0.707	0.214	0.000	0.159	0.000	2.501	2.343	100.056	82.025	51.362	1.00K
2prf	64	24	4	f	6210.643	0.420	0.653	0.707	0.214	0.000	0.159	0.000	3.551	3.239	127.403	101.948	65.300	1.50K
2prf	64	32	4	f	7848.268	0.443	0.652	0.713	0.214	0.000	0.159	0.000	4.644	4.108	154.749	121.872	79.237	2.00K
2prf	64	36	4	f	8667.081	0.455	0.652	0.717	0.214	0.000	0.159	0.000	5.217	4.539	168.422	131.833	86.206	2.25K
2prf	128	2	4	f	2153.936	0.364	0.658	0.707	0.214	0.000	0.159	0.000	0.856	0.762	60.907	49.972	31.747	0.25K
2prf	128	8	4	f	3703.577	0.380	0.659	0.707	0.214	0.000	0.159	0.000	1.544	1.498	90.601	70.796	46.457	1.00K
2prf	128	16	4	f	5769.766	0.401	0.659	0.707	0.214	0.000	0.159	0.000	2.461	2.480	130.192	98.560	66.070	2.00K
2prf	128	24	4	f	7835.955	0.423	0.659	0.708	0.214	0.000	0.159	0.000	3.453	3.430	169.784	126.325	85.683	3.00K
2prf	128	32	4	f	9902.144	0.447	0.659	0.716	0.214	0.000	0.159	0.000	4.525	4.351	209.376	154.089	105.297	4.00K
2prf	128	36	4	f	10935.238	0.458	0.659	0.721	0.214	0.000	0.159	0.000	5.077	4.806	229.172	167.971	115.103	4.50K
2prf	256	2	4	f	3047.462	0.371	0.671	0.707	0.214	0.000	0.159	0.000	0.886	0.836	78.320	55.600	41.299	0.50K
2prf	256	8	4	f	5239.949	0.387	0.671	0.707	0.214	0.000	0.159	0.000	1.526	1.658	126.382	88.185	64.522	2.00K
2prf	256	16	4	f	8163.264	0.408	0.671	0.707	0.214	0.000	0.159	0.000	2.380	2.753	190.465	131.631	95.486	4.00K
2prf	256	24	4	f	11086.579	0.430	0.672	0.710	0.214	0.000	0.159	0.000	3.297	3.811	254.547	175.077	126.451	6.00K
2prf	256	32	4	f	14009.894	0.453	0.672	0.721	0.214	0.000	0.159	0.000	4.287	4.835	318.630	218.524	157.415	8.00K
2prf	256	36	4	f	15471.552	0.465	0.671	0.730	0.214	0.000	0.159	0.000	4.798	5.341	350.671	240.247	172.897	9.00K
2prf	512	2	4	f	4834.516	0.383	0.695	0.713	0.214	0.000	0.159	0.000	0.935	0.927	113.146	66.854	60.403	1.00K
2prf	512	8	4	f	8312.692	0.399	0.695	0.720	0.214	0.000	0.159	0.000	1.618	1.897	197.945	122.962	100.653	4.00K
2prf	512	16	4	f	12950.260	0.420	0.695	0.731	0.214	0.000	0.159	0.000	2.529	3.191	311.009	197.773	154.319	8.00K
2prf	512	24	4	f	17587.828	0.442	0.695	0.741	0.214	0.000	0.159	0.000	3.483	4.453	424.073	272.583	207.985	12.00K
2prf	512	32	4	f	22225.396	0.465	0.695	0.752	0.214	0.000	0.159	0.000	4.502	5.679	537.138	347.393	261.651	16.00K
2prf	512	36	4	f	24544.180	0.477	0.695	0.757	0.214	0.000	0.159	0.000	5.027	6.283	593.670	384.799	288.484	18.00K
2prf	80	2	4	m	1782.110	0.367	0.654	0.713	0.214	0.000	0.159	0.000	0.853	0.743	53.910	47.688	27.936	0.16K
2prf	80	8	4	m	3064.243	0.383	0.654	0.713	0.214	0.000	0.159	0.000	2.391	2.304	75.838	64.050	39.032	0.62K
2prf	80	16	4	m	4773.753	0.404	0.654	0.713	0.214	0.000	0.159	0.000	2.486	2.390	105.076	85.865	53.826	1.25K

type	word	io	mux	seg	drawing dimension area (μm ²)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc (uA/MHz)	writec (uA/MHz)	leakage (uA)	Leakage_pd (uA)	Leakage_ffg (uA)	Total KBits	
2prf	1024	24	4	m	26311.694	0.479	0.750	0.816	0.214	0.000	0.159	0.000	4.265	5.741	645.253	456.004	314.213	24.00K	
2prf	1024	32	4	m	33249.575	0.503	0.766	0.838	0.214	0.000	0.159	0.000	5.474	7.370	818.856	591.353	395.269	32.00K	
2prf	1024	36	4	m	36718.516	0.515	0.774	0.849	0.214	0.000	0.159	0.000	6.089	8.177	905.658	659.028	435.797	36.00K	
2prf	144	2	4	s	2081.860	0.391	0.660	0.742	0.214	0.000	0.159	0.000	0.893	0.808	60.747	49.806	31.800	0.28K	
2prf	144	8	4	s	3579.647	0.407	0.660	0.744	0.214	0.000	0.159	0.000	1.556	1.569	88.351	71.843	45.463	1.12K	
2prf	144	16	4	s	5576.697	0.428	0.661	0.747	0.214	0.000	0.159	0.000	2.444	2.583	125.157	101.225	63.680	2.25K	
2prf	144	24	4	s	7573.747	0.450	0.661	0.760	0.214	0.000	0.159	0.000	3.393	3.562	161.962	130.608	81.898	3.38K	
2prf	144	32	4	s	9570.796	0.473	0.661	0.780	0.214	0.000	0.159	0.000	4.409	4.499	198.767	159.990	100.115	4.50K	
2prf	144	36	4	s	10569.321	0.485	0.661	0.791	0.214	0.000	0.159	0.000	4.931	4.959	217.170	174.682	109.224	5.06K	
2prf	256	2	4	s	2606.423	0.431	0.671	0.829	0.214	0.000	0.159	0.000	0.924	0.867	72.712	53.511	38.560	0.50K	
2prf	256	8	4	s	4481.606	0.447	0.671	0.845	0.214	0.000	0.159	0.000	1.587	1.722	110.248	85.480	56.717	2.00K	
2prf	256	16	4	s	6981.849	0.468	0.672	0.865	0.214	0.000	0.159	0.000	2.471	2.862	160.297	128.106	80.926	4.00K	
2prf	256	24	4	s	9482.092	0.490	0.672	0.887	0.214	0.000	0.159	0.000	3.406	3.964	210.345	170.731	105.135	6.00K	
2prf	256	32	4	s	11982.335	0.513	0.671	0.909	0.214	0.000	0.159	0.000	4.403	5.031	260.393	213.356	129.344	8.00K	
2prf	256	36	4	s	13232.457	0.525	0.671	0.921	0.214	0.000	0.159	0.000	4.915	5.556	285.418	234.669	141.449	9.00K	
2prf	512	2	4	s	3952.438	0.449	0.693	0.874	0.214	0.000	0.159	0.000	0.995	0.957	101.930	62.677	54.926	1.00K	
2prf	512	8	4	s	6796.006	0.463	0.694	0.889	0.214	0.000	0.159	0.000	1.761	1.952	165.677	117.553	85.043	4.00K	
2prf	512	16	4	s	10587.430	0.482	0.694	0.908	0.214	0.000	0.159	0.000	2.783	3.280	250.673	190.722	125.199	8.00K	
2prf	512	24	4	s	14378.854	0.501	0.694	0.931	0.214	0.000	0.159	0.000	3.844	4.572	335.661	263.890	165.354	12.00K	
2prf	512	32	4	s	18170.278	0.523	0.694	0.954	0.214	0.000	0.159	0.000	4.959	5.828	420.665	337.059	205.510	16.00K	
2prf	512	36	4	s	20665.990	0.535	0.694	0.965	0.214	0.000	0.159	0.000	5.529	6.448	463.163	373.643	225.588	18.00K	
2prf	1024	2	4	s	6644.467	0.485	0.739	0.963	0.214	0.000	0.159	0.000	1.136	1.136	160.367	81.008	87.857	2.00K	
2prf	1024	8	4	s	11424.806	0.496	0.739	0.978	0.214	0.000	0.159	0.000	2.109	2.414	276.535	181.699	141.694	8.00K	
2prf	1024	16	4	s	17798.592	0.510	0.739	0.998	0.214	0.000	0.159	0.000	3.406	4.117	431.426	315.954	213.743	16.00K	
2prf	1024	24	4	s	24172.378	0.524	0.745	1.020	0.214	0.000	0.159	0.000	4.718	5.787	586.317	450.208	285.793	24.00K	
2prf	1024	32	4	s	30546.163	0.543	0.760	1.042	0.214	0.000	0.159	0.000	6.070	7.422	741.207	584.463	357.842	32.00K	
2prf	1024	36	4	s	33733.056	0.554	0.767	1.053	0.214	0.000	0.159	0.000	6.756	8.232	818.653	651.591	393.866	36.00K	
2prf	2048	2	4	s	12028.526	0.619	0.910	0.975	0.214	0.000	0.159	0.000	1.429	1.507	277.239	117.670	153.120	4.00K	
2prf	2048	8	4	s	20682.407	0.630	0.919	0.990	0.214	0.000	0.159	0.000	2.852	3.364	468.250	309.991	254.997	16.00K	
2prf	2048	16	4	s	32220.916	0.645	0.931	1.011	0.214	0.000	0.159	0.000	4.750	5.839	792.931	566.418	390.833	32.00K	
2prf	2048	24	4	s	43759.425	0.660	0.945	1.032	0.214	0.000	0.159	0.000	6.673	8.279	1087.610	622.845	526.669	48.00K	
2prf	2048	32	4	s	55297.934	0.675	0.960	1.054	0.214	0.000	0.159	0.000	8.634	10.696	1382.290	1079.270	662.505	64.00K	
2prf	2048	36	4	s	61067.188	0.683	0.967	1.065	0.214	0.000	0.159	0.000	9.623	11.902	1529.630	1207.480	730.423	72.00K	
2prf	32	2	8	f	1751.395	0.368	0.648	0.692	0.214	0.000	0.159	0.000	1.131	1.094	51.626	48.202	26.437	0.06K	
2prf	32	4	8	f	2428.935	0.377	0.648	0.692	0.214	0.000	0.159	0.000	1.621	1.415	61.596	54.396	31.642	0.12K	
2prf	32	8	8	f	3784.013	0.396	0.648	0.691	0.214	0.000	0.159	0.000	2.603	2.276	81.538	66.782	42.054	0.25K	
2prf	32	12	8	f	5139.091	0.416	0.648	0.692	0.214	0.000	0.159	0.000	3.680	3.109	101.479	79.169	52.466	0.38K	
2prf	32	16	8	f	6494.170	0.437	0.648	0.697	0.214	0.000	0.159	0.000	4.862	3.902	121.421	91.556	62.877	0.50K	
2prf	32	18	8	f	7171.709	0.448	0.648	0.700	0.214	0.000	0.159	0.000	5.465	4.294	131.392	97.749	68.083	0.56K	
2prf	64	2	8	f	1930.761	0.372	0.650	0.695	0.214	0.000	0.159	0.000	1.106	0.982	53.808	49.205	27.616	0.12K	
2prf	64	4	8	f	2677.689	0.382	0.650	0.695	0.214	0.000	0.159	0.000	1.578	1.418	64.725	56.344	33.250	0.25K	
2prf	64	8	8	f	4171.545	0.400	0.649	0.695	0.214	0.000	0.159	0.000	2.523	2.289	86.558	70.622	44.518	0.50K	
2prf	64	12	8	f	5665.401	0.420	0.649	0.695	0.214	0.000	0.159	0.000	3.546	3.131	108.391	84.901	55.785	0.75K	
2prf	64	16	8	f	7159.257	0.442	0.649	0.699	0.214	0.000	0.159	0.000	4.669	3.935	130.225	99.179	67.053	1.00K	
2prf	64	18	8	f	7906.185	0.453	0.649	0.701	0.214	0.000	0.159	0.000	5.243	4.333	141.141	106.319	72.687	1.12K	
2prf	128	2	8	f	2116.579	0.385	0.653	0.707	0.214	0.000	0.159	0.000	1.077	0.978	58.172	51.209	29.976	0.25K	
2prf	128	4	8	f	2935.391	0.394	0.653	0.708	0.214	0.000	0.159	0.000	1.528	1.424	70.981	60.240	36.466	0.50K	
2prf	128	8	8	f	4573.017	0.413	0.652	0.707	0.214	0.000	0.159	0.000	2.430	2.315	96.598	78.302	49.445	1.00K	
2prf	128	12	8	f	6210.643	0.433	0.652	0.707	0.214	0.000	0.159	0.000	3.408	3.178	122.215	96.365	62.425	1.50K	
2prf	128	16	8	f	7848.268	0.455	0.652	0.713	0.214	0.000	0.159	0.000	4.483	4.002	147.832	114.427	75.404	2.00K	
2prf	128	18	8	f	8667.081	0.466	0.652	0.717	0.214	0.000	0.159	0.000	5.032	4.409	160.641	123.458	81.894	2.25K	
2prf	256	2	8	f	2670.483	0.389	0.659	0.697	0.707	0.214	0.000	0.159	0.000	1.085	1.019	69.940	55.983	36.171	0.50K
2prf	256	4	8	f	3703.577	0.398	0.659	0.707	0.214	0.000	0.159	0.000	1.520	1.483	88.872	68.935	45.498	1.00K	
2prf	256	8	8	f	5769.766	0.416	0.659	0.722	0.214	0.000	0.159	0.000	2.391	2.411	126.734	94.838	64.153	2.00K	
2prf	256	12	8	f	7835.955	0.437	0.659	0.726	0.214	0.000	0.159	0.000	3.333	3.308	164.597	120.741	82.808	3.00K	
2prf	256	16	8	f	9902.144	0.458	0.659	0.716	0.214	0.000	0.159	0.000	4.365	4.163	202.459	146.644	101.463	4.00K	
2prf	256	18	8	f	10935.238	0.469	0.659	0.721	0.214	0.000</td									

type	word	io	mux	seg	drawing dimension area (um^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc (uA/MHz)	writec (uA/MHz)	leakage (uA)	Leakage_pd (uA)	Leakage_ffg (uA)	Total KBits
2prf	256	18	8	m	10188.873	0.490	0.659	0.773	0.214	0.000	0.159	0.000	4.744	4.614	199.639	157.737	100.308	4.50K
2prf	512	2	8	m	3413.753	0.416	0.671	0.739	0.214	0.000	0.159	0.000	1.133	1.109	87.398	64.001	45.609	1.00K
2prf	512	4	8	m	4734.387	0.425	0.671	0.742	0.214	0.000	0.159	0.000	1.558	1.610	113.897	84.520	58.360	2.00K
2prf	512	8	8	m	7375.654	0.443	0.671	0.749	0.214	0.000	0.159	0.000	2.407	2.613	166.894	125.558	83.863	4.00K
2prf	512	12	8	m	10016.921	0.463	0.671	0.764	0.214	0.000	0.159	0.000	3.305	3.577	219.891	166.596	109.365	6.00K
2prf	512	16	8	m	12658.188	0.485	0.671	0.785	0.214	0.000	0.159	0.000	4.270	4.485	272.889	207.634	134.868	8.00K
2prf	512	18	8	m	13978.822	0.496	0.671	0.796	0.214	0.000	0.159	0.000	4.761	4.932	299.387	228.153	147.619	9.00K
2prf	1024	2	8	m	5264.832	0.427	0.695	0.758	0.214	0.000	0.159	0.000	1.178	1.213	128.392	81.567	67.437	2.00K
2prf	1024	4	8	m	7301.568	0.436	0.695	0.768	0.214	0.000	0.159	0.000	1.612	1.778	174.704	117.495	89.288	4.00K
2prf	1024	8	8	m	11375.040	0.455	0.695	0.788	0.214	0.000	0.159	0.000	2.480	2.908	267.327	189.350	132.989	8.00K
2prf	1024	12	8	m	15448.512	0.475	0.695	0.809	0.214	0.000	0.159	0.000	3.370	4.003	359.949	261.204	176.690	12.00K
2prf	1024	16	8	m	19521.984	0.496	0.695	0.832	0.214	0.000	0.159	0.000	4.315	5.050	452.572	333.059	220.391	16.00K
2prf	1024	18	8	m	21558.720	0.507	0.695	0.843	0.214	0.000	0.159	0.000	4.796	5.567	498.884	368.986	242.241	18.00K
2prf	2048	2	8	m	8966.990	0.445	0.738	0.777	0.214	0.000	0.159	0.000	1.369	1.417	210.380	116.700	111.093	4.00K
2prf	2048	4	8	m	12435.930	0.454	0.738	0.784	0.214	0.000	0.159	0.000	1.926	2.100	296.317	183.444	151.142	8.00K
2prf	2048	8	8	m	19373.812	0.473	0.739	0.797	0.214	0.000	0.159	0.000	3.040	3.467	468.191	316.932	231.240	16.00K
2prf	2048	12	8	m	26311.694	0.493	0.739	0.816	0.214	0.000	0.159	0.000	4.163	4.803	640.065	450.420	311.338	24.00K
2prf	2048	16	8	m	33249.575	0.515	0.748	0.833	0.214	0.000	0.159	0.000	5.329	6.094	811.939	583.908	391.436	32.00K
2prf	2048	18	8	m	36718.516	0.526	0.757	0.850	0.214	0.000	0.159	0.000	5.920	6.733	897.876	650.652	431.485	36.00K
2prf	288	2	8	s	2581.123	0.416	0.661	0.743	0.214	0.000	0.159	0.000	1.116	1.066	69.084	56.221	35.875	0.56K
2prf	288	4	8	s	3579.647	0.425	0.661	0.744	0.214	0.000	0.159	0.000	1.536	1.541	86.622	69.981	44.505	1.12K
2prf	288	8	8	s	5576.697	0.443	0.660	0.747	0.214	0.000	0.159	0.000	2.375	2.490	121.698	97.503	61.764	2.25K
2prf	288	12	8	s	7573.747	0.463	0.661	0.760	0.214	0.000	0.159	0.000	3.275	3.401	156.774	125.024	79.023	3.38K
2prf	288	16	8	s	9570.796	0.485	0.661	0.781	0.214	0.000	0.159	0.000	4.248	4.252	191.851	152.546	96.282	4.50K
2prf	288	18	8	s	10569.321	0.496	0.661	0.791	0.214	0.000	0.159	0.000	4.743	4.689	209.389	166.306	104.912	5.06K
2prf	512	2	8	s	3231.484	0.456	0.671	0.838	0.214	0.000	0.159	0.000	1.147	1.132	84.360	63.237	44.133	1.00K
2prf	512	4	8	s	4481.606	0.465	0.671	0.847	0.214	0.000	0.159	0.000	1.567	1.644	108.519	83.619	55.759	2.00K
2prf	512	8	8	s	6981.849	0.483	0.671	0.866	0.214	0.000	0.159	0.000	2.406	2.667	156.838	124.383	97.010	4.00K
2prf	512	12	8	s	9482.092	0.503	0.671	0.887	0.214	0.000	0.159	0.000	3.296	3.658	205.157	165.147	102.260	6.00K
2prf	512	16	8	s	11982.335	0.525	0.672	0.910	0.214	0.000	0.159	0.000	4.250	4.594	253.477	205.912	125.511	8.00K
2prf	512	18	8	s	13232.457	0.536	0.672	0.921	0.214	0.000	0.159	0.000	4.735	5.056	277.636	226.294	137.136	9.00K
2prf	1024	2	8	s	4900.294	0.472	0.694	0.882	0.214	0.000	0.159	0.000	1.252	1.232	122.315	80.038	64.486	2.00K
2prf	1024	4	8	s	6796.006	0.480	0.694	0.891	0.214	0.000	0.159	0.000	1.741	1.802	163.948	115.692	84.085	4.00K
2prf	1024	8	8	s	10587.430	0.497	0.694	0.910	0.214	0.000	0.159	0.000	2.719	2.942	247.215	186.999	123.282	8.00K
2prf	1024	12	8	s	14378.854	0.515	0.694	0.932	0.214	0.000	0.159	0.000	3.735	4.049	330.481	258.307	162.479	12.00K
2prf	1024	16	8	s	18170.278	0.535	0.694	0.954	0.214	0.000	0.159	0.000	4.807	5.106	413.748	329.614	201.677	16.00K
2prf	1024	18	8	s	20665.990	0.546	0.694	0.966	0.214	0.000	0.159	0.000	5.350	5.629	465.381	365.268	221.275	18.00K
2prf	2048	2	8	s	8237.914	0.504	0.738	0.970	0.214	0.000	0.159	0.000	1.461	1.433	198.225	113.641	105.190	4.00K
2prf	2048	4	8	s	11424.806	0.511	0.738	0.980	0.214	0.000	0.159	0.000	2.089	2.119	274.806	179.838	140.736	8.00K
2prf	2048	8	8	s	17798.592	0.525	0.738	0.999	0.214	0.000	0.159	0.000	3.345	3.490	427.967	312.231	211.827	16.00K
2prf	2048	12	8	s	24172.378	0.539	0.739	1.020	0.214	0.000	0.159	0.000	4.612	4.834	581.129	444.625	282.918	24.00K
2prf	2048	16	8	s	30546.163	0.556	0.742	1.043	0.214	0.000	0.159	0.000	5.920	6.132	734.291	577.018	354.008	32.00K
2prf	2048	18	8	s	33733.056	0.565	0.751	1.054	0.214	0.000	0.159	0.000	6.580	6.774	810.871	643.215	389.554	36.00K
2prf	4096	2	8	s	14913.153	0.639	0.889	0.983	0.214	0.000	0.159	0.000	1.887	1.842	350.045	180.846	186.600	8.00K
2prf	4096	4	8	s	20682.407	0.647	0.896	0.992	0.214	0.000	0.159	0.000	2.800	2.757	496.521	308.129	254.039	16.00K
2prf	4096	8	8	s	32220.916	0.661	0.910	1.011	0.214	0.000	0.159	0.000	4.627	4.588	789.473	562.695	388.916	32.00K
2prf	4096	12	8	s	43759.425	0.676	1.032	1.024	0.214	0.000	0.159	0.000	6.468	6.390	1082.420	817.261	53.794	48.00K
2prf	4096	16	8	s	55297.934	0.692	0.943	1.054	0.214	0.000	0.159	0.000	8.345	8.145	1375.380	1071.830	658.672	64.00K
2prf	4096	18	8	s	61067.188	0.699	0.951	1.065	0.214	0.000	0.159	0.000	9.290	9.016	151.850	119.110	72.111	72.00K
2prf	64	2	16	f	2428.935	0.416	0.650	0.691	0.214	0.000	0.159	0.000	1.597	1.404	60.633	53.364	31.117	0.12K
2prf	64	4	16	f	3784.013	0.429	0.650	0.692	0.214	0.000	0.159	0.000	2.468	2.229	79.611	64.719	41.003	0.25K
2prf	64	6	16	f	5139.091	0.449	0.650	0.692	0.214	0.000	0.159	0.000	3.505	3.033	98.589	76.074	50.888	0.38K
2prf	64	8	16	f	6494.170	0.470	0.649	0.694	0.214	0.000	0.159	0.000	4.636	3.786	117.567	87.428	60.774	0.50K
2prf	64	9	16	f	7171.709	0.480	0.649	0.695	0.214	0.000	0.159	0.000	5.202	4.163	127.056	93.106	65.717	0.56K
2prf	128	2	16	f	2677.689	0.421	0.651	0.695	0.214	0.000	0.159	0.000	1.557	1.402	63.761	55.312	32.724	0.25K
2prf	128	4	16	f	4171.545	0.434	0.651	0.695	0.214	0.000	0.159	0.000	2.389	2.233	84.631	68.559	43.466	0.50K
2prf	128	6	16	f	5665.401	0.454	0.651											

type	word	io	mux	seg	drawing dimension area (μm^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc ($\mu\text{A}/\text{MHz}$)	writec ($\mu\text{A}/\text{MHz}$)	leakage (μA)	Leakage_pd (μA)	Leakage_ffg (μA)	Total KBits
2prf	320	4	16	m	4773.753	0.453	0.656	0.713	0.214	0.000	0.159	0.000	2.285	2.277	99.691	80.079	50.857	1.25K
2prf	320	6	16	m	6483.263	0.472	0.655	0.715	0.214	0.000	0.159	0.000	3.201	3.105	126.236	99.001	64.167	1.88K
2prf	320	8	16	m	8192.774	0.493	0.656	0.724	0.214	0.000	0.159	0.000	4.204	3.883	152.781	117.923	77.477	2.50K
2prf	320	9	16	m	9047.529	0.504	0.656	0.728	0.214	0.000	0.159	0.000	4.705	4.272	166.054	127.385	84.131	2.81K
2prf	512	2	16	m	3450.796	0.457	0.660	0.730	0.214	0.000	0.159	0.000	1.514	1.496	82.530	67.001	42.371	1.00K
2prf	512	4	16	m	5375.961	0.471	0.661	0.730	0.214	0.000	0.159	0.000	2.242	2.368	114.751	91.599	58.248	2.00K
2prf	512	6	16	m	7301.126	0.490	0.660	0.741	0.214	0.000	0.159	0.000	3.101	3.213	146.972	116.197	74.126	3.00K
2prf	512	8	16	m	9226.291	0.512	0.660	0.763	0.214	0.000	0.159	0.000	4.028	3.995	179.192	140.795	90.003	4.00K
2prf	512	9	16	m	10188.873	0.522	0.660	0.774	0.214	0.000	0.159	0.000	4.491	4.386	195.303	153.093	97.942	4.50K
2prf	1024	2	16	m	4734.387	0.463	0.672	0.744	0.214	0.000	0.159	0.000	1.536	1.561	112.933	83.489	57.835	2.00K
2prf	1024	4	16	m	7375.654	0.477	0.672	0.749	0.214	0.000	0.159	0.000	2.281	2.479	164.967	123.495	82.811	4.00K
2prf	1024	6	16	m	10016.921	0.496	0.672	0.764	0.214	0.000	0.159	0.000	3.140	3.371	217.001	163.501	107.788	6.00K
2prf	1024	8	16	m	12658.188	0.518	0.672	0.786	0.214	0.000	0.159	0.000	4.059	4.204	269.034	203.507	132.765	8.00K
2prf	1024	9	16	m	13978.822	0.528	0.672	0.797	0.214	0.000	0.159	0.000	4.518	4.621	295.051	223.510	145.253	9.00K
2prf	2048	2	16	m	7301.568	0.475	0.696	0.773	0.214	0.000	0.159	0.000	1.579	1.691	173.740	116.463	88.762	4.00K
2prf	2048	4	16	m	11375.040	0.488	0.696	0.788	0.214	0.000	0.159	0.000	2.359	2.701	265.399	187.286	131.937	8.00K
2prf	2048	6	16	m	15448.512	0.508	0.696	0.809	0.214	0.000	0.159	0.000	3.219	3.688	357.059	258.109	175.112	12.00K
2prf	2048	8	16	m	19521.984	0.529	0.696	0.832	0.214	0.000	0.159	0.000	4.121	4.623	448.718	328.932	218.287	16.00K
2prf	2048	9	16	m	21558.720	0.540	0.696	0.843	0.214	0.000	0.159	0.000	4.572	5.090	494.547	364.343	239.875	18.00K
2prf	4096	2	16	m	12435.930	0.493	0.739	0.784	0.214	0.000	0.159	0.000	1.891	1.930	295.354	182.412	150.617	8.00K
2prf	4096	4	16	m	19373.812	0.507	0.739	0.795	0.214	0.000	0.159	0.000	2.922	3.103	466.264	314.868	230.189	16.00K
2prf	4096	6	16	m	26311.694	0.527	0.739	0.816	0.214	0.000	0.159	0.000	4.015	4.251	637.174	447.325	309.761	24.00K
2prf	4096	8	16	m	33249.575	0.548	0.739	0.838	0.214	0.000	0.159	0.000	5.139	5.350	808.085	573.781	389.333	32.00K
2prf	4096	9	16	m	36718.516	0.558	0.739	0.850	0.214	0.000	0.159	0.000	5.701	5.899	893.540	646.009	429.119	36.00K
2prf	576	2	16	s	3579.647	0.463	0.662	0.745	0.214	0.000	0.159	0.000	1.518	1.507	85.658	68.950	43.979	1.12K
2prf	576	4	16	s	5576.697	0.477	0.662	0.747	0.214	0.000	0.159	0.000	2.246	2.386	119.771	95.439	60.712	2.25K
2prf	576	6	16	s	7573.747	0.496	0.662	0.769	0.214	0.000	0.159	0.000	3.105	3.239	153.884	121.929	77.445	3.38K
2prf	576	8	16	s	9570.796	0.517	0.662	0.781	0.214	0.000	0.159	0.000	4.028	4.030	187.996	148.418	94.179	4.50K
2prf	576	9	16	s	10569.321	0.528	0.662	0.792	0.214	0.000	0.159	0.000	4.490	4.428	205.053	161.663	102.545	5.08K
2prf	1024	2	16	s	4481.606	0.503	0.675	0.850	0.214	0.000	0.159	0.000	1.541	1.588	107.566	82.587	55.233	2.00K
2prf	1024	4	16	s	6391.849	0.516	0.673	0.895	0.214	0.000	0.159	0.000	2.276	2.516	154.911	122.320	77.958	4.00K
2prf	1024	6	16	s	9482.052	0.536	0.672	0.887	0.214	0.000	0.159	0.000	3.130	3.920	202.267	162.052	100.683	6.00K
2prf	1024	8	16	s	11982.335	0.557	0.673	0.910	0.214	0.000	0.159	0.000	4.030	4.274	249.622	201.784	123.408	8.00K
2prf	1024	9	16	s	13232.457	0.568	0.673	0.922	0.214	0.000	0.159	0.000	4.480	4.701	273.300	221.651	134.770	9.00K
2prf	2048	2	16	s	6796.006	0.515	0.695	0.894	0.214	0.000	0.159	0.000	1.712	1.706	162.984	114.660	83.559	4.00K
2prf	2048	4	16	s	10587.430	0.528	0.695	0.910	0.214	0.000	0.159	0.000	2.596	2.718	245.287	184.936	122.230	8.00K
2prf	2048	6	16	s	14378.854	0.546	0.695	0.931	0.214	0.000	0.159	0.000	3.580	3.705	327.590	255.211	160.902	12.00K
2prf	2048	8	16	s	18170.278	0.567	0.695	0.954	0.214	0.000	0.159	0.000	4.604	4.642	409.893	325.487	199.574	16.00K
2prf	2048	9	16	s	20065.990	0.578	0.695	0.966	0.214	0.000	0.159	0.000	5.116	5.110	451.045	360.625	218.909	18.00K
2prf	4096	2	16	s	11424.806	0.538	0.739	0.983	0.214	0.000	0.159	0.000	2.052	1.948	273.842	178.806	140.210	8.00K
2prf	4096	4	16	s	17798.592	0.552	0.739	0.999	0.214	0.000	0.159	0.000	3.235	3.123	426.040	310.168	210.775	16.00K
2prf	4096	6	16	s	24172.378	0.566	0.739	1.020	0.214	0.000	0.159	0.000	4.479	4.276	578.238	441.529	281.340	24.00K
2prf	4096	8	16	s	30546.163	0.587	0.739	1.043	0.214	0.000	0.159	0.000	5.751	5.378	730.436	572.891	351.905	32.00K
2prf	4096	9	16	s	33733.056	0.597	0.739	1.054	0.214	0.000	0.159	0.000	6.387	5.929	806.535	638.572	387.188	36.00K
2prf	8192	2	16	s	20682.407	0.678	0.890	0.995	0.214	0.000	0.159	0.000	2.738	2.424	495.557	307.098	253.513	16.00K
2prf	8192	4	16	s	32220.916	0.691	0.900	1.011	0.214	0.000	0.159	0.000	4.474	3.903	787.546	560.632	387.865	32.00K
2prf	8192	6	16	s	43759.425	0.706	0.911	1.032	0.214	0.000	0.159	0.000	6.263	5.353	1079.530	814.166	522.217	48.00K
2prf	8192	8	16	s	55297.934	0.721	0.923	1.054	0.214	0.000	0.159	0.000	8.069	6.755	1371.520	1067.700	656.569	64.00K
2prf	8192	9	16	s	61067.188	0.729	0.930	1.065	0.214	0.000	0.159	0.000	8.972	7.456	1517.520	1194.470	723.745	72.00K

ff1p21v0c																		
type	word	io	mux	seg	drawing dimension area (um^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc (uA/MHz)	witec (uA/MHz)	leakage (uA)	Leakage_pd (uA)	Leakage_ffg (uA)	Total KBits
2prf	8	2	2	f	1243.241	0.311	0.613	0.653	0.199	0.000	0.143	0.000	0.702	0.574	0.985	22.887	0.02K	
2prf	8	16	2	f	2428.935	0.331	0.613	0.653	0.199	0.000	0.143	0.000	1.684	1.381	1.406	1.315	34.483	0.12K
2prf	8	32	2	f	3784.013	0.354	0.614	0.653	0.199	0.000	0.143	0.000	2.805	2.303	1.930	1.693	47.736	0.25K
2prf	8	48	2	f	5139.091	0.377	0.614	0.653	0.199	0.000	0.143	0.000	4.037	3.197	2.454	2.070	60.988	0.38K
2prf	8	64	2	f	6494.170	0.400	0.614	0.657	0.199	0.000	0.143	0.000	5.355	4.066	2.978	2.448	74.240	0.50K
2prf	8	72	2	f	7171.709	0.412	0.613	0.659	0.199	0.000	0.143	0.000	6.028	4.496	3.240	2.637	80.866	0.56K
2prf	16	2	2	f	1370.565	0.315	0.614	0.656	0.199	0.000	0.143	0.000	0.704	0.580	0.990	0.990	23.746	0.03K
2prf	16	16	2	f	2677.689	0.335	0.615	0.657	0.199	0.000	0.143	0.000	1.652	1.412	1.448	1.347	36.091	0.25K
2prf	16	32	2	f	4171.545	0.358	0.615	0.657	0.199	0.000	0.143	0.000	2.735	2.362	2.002	1.755	50.199	0.50K
2prf	16	48	2	f	5665.401	0.381	0.615	0.657	0.199	0.000	0.143	0.000	3.921	3.290	2.556	2.162	64.307	0.75K
2prf	16	64	2	f	7159.257	0.404	0.615	0.659	0.199	0.000	0.143	0.000	5.189	4.183	3.109	2.570	78.416	1.00K
2prf	16	72	2	f	7906.185	0.416	0.615	0.660	0.199	0.000	0.143	0.000	5.837	4.622	3.386	2.774	85.470	1.12K
2prf	32	2	2	f	1502.469	0.327	0.618	0.667	0.199	0.000	0.143	0.000	0.708	0.595	1.002	1.002	25.464	0.06K
2prf	32	16	2	f	2935.391	0.347	0.618	0.667	0.199	0.000	0.143	0.000	1.620	1.474	1.533	1.411	39.306	0.50K
2prf	32	32	2	f	4573.017	0.369	0.619	0.667	0.199	0.000	0.143	0.000	2.661	2.478	2.146	1.878	55.127	1.00K
2prf	32	48	2	f	6210.643	0.392	0.619	0.668	0.199	0.000	0.143	0.000	3.797	3.470	2.759	2.346	70.947	1.50K
2prf	32	64	2	f	7848.268	0.416	0.618	0.670	0.199	0.000	0.143	0.000	5.006	4.426	3.373	2.813	86.767	2.00K
2prf	32	72	2	f	8667.081	0.428	0.618	0.673	0.199	0.000	0.143	0.000	5.623	4.896	3.679	3.047	94.677	2.25K
2prf	64	2	2	f	1895.662	0.330	0.623	0.667	0.199	0.000	0.143	0.000	0.720	0.624	1.083	1.038	29.530	0.12K
2prf	64	16	2	f	3703.577	0.350	0.624	0.667	0.199	0.000	0.143	0.000	1.606	1.587	1.803	1.561	48.339	1.00K
2prf	64	32	2	f	5769.766	0.373	0.624	0.667	0.199	0.000	0.143	0.000	2.618	2.688	2.626	2.158	69.835	2.00K
2prf	64	48	2	f	7835.955	0.396	0.624	0.667	0.199	0.000	0.143	0.000	3.717	3.772	3.449	2.755	91.330	3.00K
2prf	64	64	2	f	9902.144	0.419	0.624	0.671	0.199	0.000	0.143	0.000	4.881	4.820	4.272	3.353	112.826	4.00K
2prf	64	72	2	f	10935.238	0.431	0.624	0.674	0.199	0.000	0.143	0.000	5.473	5.355	4.684	3.651	123.574	4.50K
2prf	128	2	2	f	2682.048	0.336	0.634	0.667	0.199	0.000	0.143	0.000	0.742	0.681	1.257	1.110	37.664	0.25K
2prf	128	16	2	f	5239.949	0.356	0.634	0.667	0.199	0.000	0.143	0.000	1.578	1.813	2.344	1.860	66.404	2.00K
2prf	128	32	2	f	8163.264	0.379	0.635	0.667	0.199	0.000	0.143	0.000	2.532	3.107	3.586	2.717	99.251	4.00K
2prf	128	48	2	f	11086.579	0.402	0.635	0.667	0.199	0.000	0.143	0.000	3.857	4.379	4.828	3.575	132.098	6.00K
2prf	128	64	2	f	14009.894	0.425	0.635	0.673	0.199	0.000	0.143	0.000	4.630	5.607	6.071	4.432	164.944	8.00K
2prf	128	72	2	f	15471.552	0.437	0.635	0.678	0.199	0.000	0.143	0.000	5.174	6.215	6.692	4.861	181.367	9.00K
2prf	256	2	2	f	4254.820	0.348	0.656	0.666	0.199	0.000	0.143	0.000	0.787	0.766	1.605	1.253	53.930	0.50K
2prf	256	16	2	f	8312.692	0.368	0.657	0.675	0.199	0.000	0.143	0.000	1.682	2.203	3.425	2.458	102.535	4.00K
2prf	256	32	2	f	12950.260	0.390	0.657	0.686	0.199	0.000	0.143	0.000	2.705	3.845	5.506	3.836	158.084	8.00K
2prf	256	48	2	f	17587.828	0.414	0.657	0.695	0.199	0.000	0.143	0.000	3.776	5.463	7.587	5.214	213.632	12.00K
2prf	256	64	2	f	22225.396	0.437	0.657	0.705	0.199	0.000	0.143	0.000	4.888	7.042	9.668	6.591	269.181	16.00K
2prf	256	72	2	f	24544.180	0.449	0.657	0.710	0.199	0.000	0.143	0.000	5.452	7.823	10.708	7.280	296.955	18.00K
2prf	40	2	2	m	1568.421	0.332	0.619	0.672	0.199	0.000	0.143	0.000	0.715	0.608	1.012	1.008	26.323	0.08K
2prf	40	16	2	m	3064.243	0.352	0.620	0.672	0.199	0.000	0.143	0.000	1.614	1.515	1.575	1.443	40.914	0.62K
2prf	40	32	2	m	4773.753	0.375	0.620	0.672	0.199	0.000	0.143	0.000	2.640	2.552	2.218	1.940	57.590	1.25K
2prf	40	48	2	m	6483.263	0.398	0.620	0.673	0.199	0.000	0.143	0.000	3.755	3.572	2.861	2.437	74.266	1.88K
2prf	40	64	2	m	8192.774	0.422	0.620	0.678	0.199	0.000	0.143	0.000	4.934	4.557	3.504	2.935	90.942	2.50K
2prf	40	72	2	m	9047.529	0.434	0.620	0.682	0.199	0.000	0.143	0.000	5.533	5.040	3.826	3.183	99.280	2.81K
2prf	64	2	2	m	1766.277	0.349	0.623	0.687	0.199	0.000	0.143	0.000	0.737	0.646	1.060	1.026	28.899	0.12K
2prf	64	16	2	m	3450.796	0.369	0.623	0.688	0.199	0.000	0.143	0.000	1.596	1.639	1.701	1.539	45.737	1.00K
2prf	64	32	2	m	5375.961	0.392	0.624	0.688	0.199	0.000	0.143	0.000	2.577	2.774	2.434	2.126	64.981	2.00K
2prf	64	48	2	m	7301.126	0.415	0.624	0.689	0.199	0.000	0.143	0.000	3.629	3.880	3.166	2.713	84.225	3.00K
2prf	64	64	2	m	9226.291	0.439	0.624	0.702	0.199	0.000	0.143	0.000	4.716	4.948	3.899	3.299	103.469	4.00K
2prf	64	72	2	m	10188.873	0.450	0.623	0.712	0.199	0.000	0.143	0.000	5.263	5.474	4.266	3.593	113.091	4.50K
2prf	128	2	2	m	2423.278	0.354	0.634	0.688	0.199	0.000	0.143	0.000	0.757	0.688	1.210	1.085	36.401	0.25K
2prf	128	16	2	m	4734.387	0.374	0.634	0.693	0.199	0.000	0.143	0.000	1.629	1.832	2.139	1.817	61.201	2.00K
2prf	128	32	2	m	7375.654	0.397	0.635	0.700	0.199	0.000	0.143	0.000	2.625	3.139	3.201	2.653	89.544	4.00K
2prf	128	48	2	m	10016.921	0.420	0.635	0.707	0.199	0.000	0.143	0.000	3.674	4.420	4.263	3.489	117.887	6.00K
2prf	128	64	2	m	12558.188	0.444	0.635	0.722	0.199	0.000	0.143	0.000	4.756	5.661	5.325	4.325	146.230	8.00K
2prf	128	72	2	m	13978.822	0.456	0.635	0.732	0.199	0.000	0.143	0.000	5.301	6.272	5.856	4.744	160.402	9.00K
2prf	256	2	2	m	3737.280	0.365	0.656	0.688	0.199	0.000	0.143	0.000	0.797	0.774	1.512	1.204	51.404	0.50K
2prf	256	16	2	m	7301.568	0.385	0.657	0.705	0.199	0.000	0.143	0.000	1.695	2.219	3.017	2.372	92.128	4.00K
2prf	256	32	2	m	11375.040	0.408	0.657	0.724	0.199	0.000	0.143	0.000	2.720	3.871	4.737	3.707	138.670	8.00K
2prf</																		

type	word	io	mux	seg	drawing dimension area (μm^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc ($\mu\text{A}/\text{MHz}$)	writec ($\mu\text{A}/\text{MHz}$)	leakage (μA)	Leakage_pd (μA)	Leakage_ffg (μA)	Total KBits
2prf	256	16	2	s	6796.006	0.428	0.656	0.815	0.199	0.000	0.143	0.000	1.799	2.293	2.812	2.329	86.925	4.00K
2prf	256	32	2	s	10587.430	0.447	0.656	0.834	0.199	0.000	0.143	0.000	2.910	4.004	4.352	3.643	128.963	8.00K
2prf	256	48	2	s	14378.854	0.467	0.656	0.853	0.199	0.000	0.143	0.000	4.056	5.692	4.957	171.001	12.00K	
2prf	256	64	2	s	18170.278	0.490	0.656	0.873	0.199	0.000	0.143	0.000	5.236	7.339	7.431	6.271	213.039	16.00K
2prf	256	72	2	s	20065.990	0.502	0.656	0.883	0.199	0.000	0.143	0.000	5.832	8.153	8.201	6.928	234.058	18.00K
2prf	512	2	2	s	5847.744	0.449	0.699	0.878	0.199	0.000	0.143	0.000	0.930	0.962	2.021	1.391	78.886	1.00K
2prf	512	16	2	s	11424.806	0.460	0.699	0.895	0.199	0.000	0.143	0.000	2.140	3.035	4.362	3.396	143.576	8.00K
2prf	512	32	2	s	17798.592	0.473	0.699	0.914	0.199	0.000	0.143	0.000	3.523	5.404	7.038	5.687	217.508	16.00K
2prf	512	48	2	s	24172.378	0.488	0.699	0.934	0.199	0.000	0.143	0.000	4.911	7.748	9.714	7.976	291.440	24.00K
2prf	512	64	2	s	30546.163	0.508	0.715	0.953	0.199	0.000	0.143	0.000	6.319	10.055	12.389	10.268	365.371	32.00K
2prf	512	72	2	s	33733.056	0.520	0.725	0.963	0.199	0.000	0.143	0.000	7.030	11.199	13.727	11.414	402.337	36.00K
2prf	1024	2	2	s	10586.212	0.562	0.828	0.888	0.199	0.000	0.143	0.000	1.141	1.315	3.133	1.816	136.376	2.00K
2prf	1024	16	2	s	20682.407	0.574	0.842	0.904	0.199	0.000	0.143	0.000	2.869	4.617	7.463	5.530	256.879	16.00K
2prf	1024	32	2	s	32220.916	0.587	0.857	0.923	0.199	0.000	0.143	0.000	4.843	8.389	12.410	9.775	394.598	32.00K
2prf	1024	48	2	s	43759.425	0.600	0.874	0.943	0.199	0.000	0.143	0.000	6.826	12.136	17.358	14.019	532.316	48.00K
2prf	1024	64	2	s	55297.934	0.613	0.892	0.962	0.199	0.000	0.143	0.000	8.785	15.857	22.305	18.264	670.034	64.00K
2prf	1024	72	2	s	61067.188	0.620	0.901	0.972	0.199	0.000	0.143	0.000	9.757	17.713	24.779	20.386	738.894	72.00K
2prf	16	2	4	f	1412.626	0.324	0.613	0.653	0.199	0.000	0.143	0.000	0.810	0.868	1.012	1.012	24.073	0.03K
2prf	16	8	4	f	2428.935	0.339	0.613	0.653	0.199	0.000	0.143	0.000	1.546	1.348	1.335	1.234	32.601	0.12K
2prf	16	16	4	f	3784.013	0.358	0.614	0.653	0.199	0.000	0.143	0.000	2.526	2.231	1.787	1.531	43.971	0.25K
2prf	16	24	4	f	5139.091	0.378	0.614	0.653	0.199	0.000	0.143	0.000	3.608	3.081	2.239	1.827	55.341	0.38K
2prf	16	32	4	f	6494.170	0.399	0.614	0.655	0.199	0.000	0.143	0.000	4.766	3.897	2.691	2.124	66.711	0.50K
2prf	16	36	4	f	7171.709	0.409	0.614	0.656	0.199	0.000	0.143	0.000	5.357	4.297	2.917	2.272	72.396	0.56K
2prf	16	32	4	f	1557.397	0.328	0.614	0.656	0.199	0.000	0.143	0.000	0.807	0.694	1.021	1.021	25.039	0.06K
2prf	32	8	4	f	2677.689	0.343	0.614	0.656	0.199	0.000	0.143	0.000	1.515	1.367	1.377	1.266	34.209	0.25K
2prf	32	16	4	f	4171.545	0.363	0.615	0.657	0.199	0.000	0.143	0.000	2.457	2.265	1.859	1.593	46.434	0.50K
2prf	32	24	4	f	5665.401	0.382	0.615	0.657	0.199	0.000	0.143	0.000	3.494	3.136	2.340	1.919	58.660	0.75K
2prf	32	32	4	f	7159.257	0.403	0.615	0.657	0.199	0.000	0.143	0.000	4.600	3.968	2.822	2.246	70.886	1.00K
2prf	32	36	4	f	7906.185	0.413	0.615	0.657	0.199	0.000	0.143	0.000	5.165	4.376	3.063	2.409	76.999	1.12K
2prf	64	2	4	f	1707.172	0.340	0.618	0.667	0.199	0.000	0.143	0.000	0.808	0.709	1.055	1.040	26.971	0.12K
2prf	64	8	4	f	2935.391	0.355	0.618	0.667	0.199	0.000	0.143	0.000	1.484	1.408	1.451	1.330	37.424	0.50K
2prf	64	16	4	f	4573.017	0.374	0.619	0.667	0.199	0.000	0.143	0.000	2.385	2.340	2.002	1.716	51.362	1.00K
2prf	64	24	4	f	6210.643	0.394	0.619	0.667	0.199	0.000	0.143	0.000	3.371	3.243	2.544	2.103	65.300	1.50K
2prf	64	32	4	f	7848.268	0.414	0.619	0.669	0.199	0.000	0.143	0.000	4.421	4.108	3.085	2.489	79.237	2.00K
2prf	64	36	4	f	8667.081	0.425	0.619	0.670	0.199	0.000	0.143	0.000	4.956	4.532	3.356	2.682	86.206	2.25K
2prf	128	2	4	f	2153.936	0.343	0.623	0.667	0.199	0.000	0.143	0.000	0.816	0.739	1.168	1.092	31.747	0.25K
2prf	128	8	4	f	3703.577	0.358	0.624	0.667	0.199	0.000	0.143	0.000	1.469	1.482	1.731	1.480	46.457	1.00K
2prf	128	16	4	f	5769.766	0.377	0.624	0.667	0.199	0.000	0.143	0.000	2.340	2.471	2.482	1.996	66.070	2.00K
2prf	128	24	4	f	7835.955	0.397	0.624	0.667	0.199	0.000	0.143	0.000	3.288	3.427	3.234	2.512	85.683	3.00K
2prf	128	32	4	f	9902.144	0.418	0.624	0.670	0.199	0.000	0.143	0.000	4.292	4.343	3.985	3.029	105.297	4.00K
2prf	128	36	4	f	10935.238	0.428	0.624	0.672	0.199	0.000	0.143	0.000	4.804	4.793	4.360	3.287	115.103	4.50K
2prf	256	2	4	f	3047.462	0.350	0.634	0.667	0.199	0.000	0.143	0.000	0.832	0.801	1.394	1.196	41.299	0.50K
2prf	256	8	4	f	5239.949	0.364	0.634	0.667	0.199	0.000	0.143	0.000	1.440	1.629	2.272	1.779	64.522	2.00K
2prf	256	16	4	f	8163.264	0.383	0.635	0.667	0.199	0.000	0.143	0.000	2.250	2.733	3.442	2.555	95.486	4.00K
2prf	256	24	4	f	11086.579	0.403	0.635	0.667	0.199	0.000	0.143	0.000	3.120	3.794	4.613	3.332	126.451	6.00K
2prf	256	32	4	f	14009.894	0.424	0.635	0.672	0.199	0.000	0.143	0.000	4.035	4.813	5.783	4.108	157.415	8.00K
2prf	256	36	4	f	15471.552	0.434	0.635	0.675	0.199	0.000	0.143	0.000	4.501	5.314	6.369	4.496	172.897	9.00K
2prf	512	2	4	f	4834.516	0.361	0.656	0.666	0.199	0.000	0.143	0.000	0.885	0.892	1.847	1.405	60.403	1.00K
2prf	512	8	4	f	8312.692	0.376	0.656	0.674	0.199	0.000	0.143	0.000	1.543	1.869	3.354	2.377	100.653	4.00K
2prf	512	16	4	f	12950.260	0.395	0.656	0.684	0.199	0.000	0.143	0.000	2.421	3.171	5.363	3.674	154.319	8.00K
2prf	512	24	4	f	17587.828	0.415	0.657	0.694	0.199	0.000	0.143	0.000	3.332	4.434	7.372	4.970	207.985	12.00K
2prf	512	32	4	f	22225.396	0.436	0.657	0.703	0.199	0.000	0.143	0.000	4.284	4.286	5.656	5.981	261.651	16.00K
2prf	512	36	4	f	24544.180	0.446	0.657	0.708	0.199	0.000	0.143	0.000	4.768	6.258	10.385	6.915	288.484	18.00K
2prf	80	2	4	m	1782.110	0.346	0.619	0.672	0.199	0.000	0.143	0.000	0.814	0.721	1.074	1.050	27.936	0.16K
2prf	80	8	4	m	3064.243	0.360	0.620	0.672	0.199	0.000	0.143	0.000	1.478	1.433	1.503	1.362	39.032	0.62K
2prf	80	16	4	m	4773.753	0.380	0.620	0.672	0.199	0.000	0.143	0.000	2.363	2.382	2.074	1.778	53.826	1.25K
2prf	80	24	4	m	6483.263	0.399	0.620	0.673	0.199	0.000	0.143	0.000	3.327	3.297	2.646	2.194	68.619	1.88K
2prf																		

type	word	io	mux	seg	drawing dimension area (μm ²)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc (uA/MHz)	writec (uA/MHz)	leakage (uA)	Leakage_pd (uA)	Leakage_ffg (uA)	Total KBits
2prf	1024	24	4	m	26311.694	0.450	0.699	0.751	0.199	0.000	0.143	0.000	4.138	5.727	10.629	7.906	314.213	24.00K
2prf	1024	32	4	m	33249.575	0.471	0.705	0.768	0.199	0.000	0.143	0.000	5.283	7.353	13.593	10.158	395.269	32.00K
2prf	1024	36	4	m	36718.516	0.481	0.712	0.778	0.199	0.000	0.143	0.000	5.860	8.159	15.075	11.284	435.797	36.00K
2prf	144	2	4	s	2081.860	0.368	0.624	0.696	0.199	0.000	0.143	0.000	0.834	0.770	1.153	1.088	31.800	0.28K
2prf	144	8	4	s	3579.647	0.382	0.624	0.698	0.199	0.000	0.143	0.000	1.463	1.536	1.671	1.490	45.463	1.12K
2prf	144	16	4	s	5576.697	0.402	0.625	0.701	0.199	0.000	0.143	0.000	2.301	2.558	2.362	2.026	63.680	2.25K
2prf	144	24	4	s	7573.747	0.422	0.625	0.705	0.199	0.000	0.143	0.000	3.195	3.533	3.053	2.561	81.898	3.38K
2prf	144	32	4	s	9570.796	0.442	0.625	0.718	0.199	0.000	0.143	0.000	4.124	4.468	3.744	3.097	100.115	4.50K
2prf	144	36	4	s	10569.321	0.453	0.625	0.728	0.199	0.000	0.143	0.000	4.594	4.928	4.089	3.364	109.224	5.06K
2prf	256	2	4	s	2606.423	0.405	0.634	0.761	0.199	0.000	0.143	0.000	0.865	0.830	1.290	1.156	38.560	0.50K
2prf	256	8	4	s	4481.606	0.419	0.634	0.775	0.199	0.000	0.143	0.000	1.487	1.688	1.965	1.714	56.717	2.00K
2prf	256	16	4	s	6981.849	0.439	0.634	0.794	0.199	0.000	0.143	0.000	2.315	2.833	2.865	2.459	80.926	4.00K
2prf	256	24	4	s	9482.092	0.459	0.635	0.813	0.199	0.000	0.143	0.000	3.187	3.935	3.765	3.203	105.135	6.00K
2prf	256	32	4	s	11982.335	0.479	0.635	0.833	0.199	0.000	0.143	0.000	4.095	4.992	4.665	3.948	129.344	8.00K
2prf	256	36	4	s	13232.457	0.490	0.635	0.843	0.199	0.000	0.143	0.000	4.556	5.512	5.115	4.320	141.449	9.00K
2prf	512	2	4	s	3952.438	0.423	0.656	0.801	0.199	0.000	0.143	0.000	0.934	0.920	1.640	1.323	54.926	1.00K
2prf	512	8	4	s	6796.006	0.436	0.656	0.815	0.199	0.000	0.143	0.000	1.658	1.920	2.740	2.248	85.043	4.00K
2prf	512	16	4	s	10587.430	0.453	0.656	0.834	0.199	0.000	0.143	0.000	2.624	3.254	4.208	3.481	125.199	8.00K
2prf	512	24	4	s	14378.854	0.470	0.656	0.853	0.199	0.000	0.143	0.000	3.616	4.546	5.676	4.714	165.354	12.00K
2prf	512	32	4	s	18170.278	0.489	0.656	0.873	0.199	0.000	0.143	0.000	4.639	5.796	7.144	5.947	205.510	16.00K
2prf	512	36	4	s	20665.990	0.499	0.656	0.883	0.199	0.000	0.143	0.000	5.156	6.412	7.878	6.563	225.588	18.00K
2prf	1024	2	4	s	6644.467	0.458	0.699	0.881	0.199	0.000	0.143	0.000	1.072	1.101	2.338	1.658	87.857	2.00K
2prf	1024	8	4	s	11424.806	0.468	0.699	0.895	0.199	0.000	0.143	0.000	2.002	2.384	4.291	3.315	141.694	8.00K
2prf	1024	16	4	s	17798.592	0.481	0.699	0.914	0.199	0.000	0.143	0.000	3.240	4.096	6.894	5.525	213.743	16.00K
2prf	1024	24	4	s	24172.379	0.493	0.699	0.934	0.199	0.000	0.143	0.000	4.475	5.770	9.498	7.735	285.793	24.00K
2prf	1024	32	4	s	30546.163	0.508	0.699	0.954	0.199	0.000	0.143	0.000	5.726	7.403	12.102	9.944	357.842	32.00K
2prf	1024	36	4	s	33733.056	0.517	0.706	0.964	0.199	0.000	0.143	0.000	6.357	8.212	13.404	11.049	393.866	36.00K
2prf	2048	2	4	s	12028.526	0.572	0.833	0.890	0.199	0.000	0.143	0.000	1.346	1.476	3.734	2.327	153.120	4.00K
2prf	2048	8	4	s	20682.407	0.582	0.841	0.905	0.199	0.000	0.143	0.000	2.684	3.348	7.391	5.449	254.997	16.00K
2prf	2048	16	4	s	32220.916	0.596	0.852	0.924	0.199	0.000	0.143	0.000	4.469	5.844	12.267	9.613	390.833	32.00K
2prf	2048	24	4	s	43759.425	0.609	0.864	0.943	0.199	0.000	0.143	0.000	6.253	8.304	17.142	13.776	526.669	48.00K
2prf	2048	32	4	s	55297.934	0.623	0.877	0.962	0.199	0.000	0.143	0.000	8.035	10.727	22.018	17.940	662.505	64.00K
2prf	2048	36	4	s	61067.188	0.629	0.883	0.972	0.199	0.000	0.143	0.000	8.926	11.931	24.456	20.021	730.423	72.00K
2prf	32	2	8	f	1751.395	0.347	0.614	0.653	0.199	0.000	0.143	0.000	1.061	0.948	1.091	1.065	26.437	0.06K
2prf	32	4	8	f	2428.935	0.355	0.614	0.653	0.199	0.000	0.143	0.000	1.529	1.388	1.299	1.193	31.642	0.12K
2prf	32	8	8	f	3784.013	0.372	0.614	0.654	0.199	0.000	0.143	0.000	2.466	2.269	1.715	1.450	42.054	0.25K
2prf	32	12	8	f	5139.091	0.390	0.613	0.653	0.199	0.000	0.143	0.000	3.501	3.116	2.132	1.706	52.466	0.38K
2prf	32	16	8	f	6494.170	0.409	0.613	0.654	0.199	0.000	0.143	0.000	4.612	3.917	2.548	1.962	62.877	0.50K
2prf	32	18	8	f	7171.709	0.419	0.613	0.654	0.199	0.000	0.143	0.000	5.175	4.312	2.756	2.090	68.083	0.56K
2prf	64	2	8	f	1930.761	0.351	0.615	0.656	0.199	0.000	0.143	0.000	1.049	0.956	1.118	1.083	27.616	0.12K
2prf	64	4	8	f	2677.689	0.359	0.615	0.657	0.199	0.000	0.143	0.000	1.499	1.402	1.341	1.225	33.250	0.25K
2prf	64	8	8	f	4171.545	0.377	0.615	0.658	0.199	0.000	0.143	0.000	2.399	2.293	1.787	1.511	44.518	0.50K
2prf	64	12	8	f	5665.401	0.395	0.615	0.667	0.199	0.000	0.143	0.000	3.391	3.150	2.233	1.797	55.785	0.75K
2prf	64	16	8	f	7159.257	0.414	0.615	0.656	0.199	0.000	0.143	0.000	4.461	3.960	2.680	2.083	67.053	1.00K
2prf	64	18	8	f	7906.185	0.423	0.615	0.656	0.199	0.000	0.143	0.000	5.004	4.359	2.903	2.226	72.687	1.12K
2prf	128	4	8	f	2116.579	0.363	0.619	0.667	0.199	0.000	0.143	0.000	1.041	0.974	1.172	1.117	29.976	0.25K
2prf	128	8	8	f	2935.391	0.371	0.619	0.667	0.199	0.000	0.143	0.000	1.471	1.430	1.425	1.290	36.466	0.50K
2prf	128	16	8	f	4573.017	0.388	0.619	0.668	0.199	0.000	0.143	0.000	2.330	2.342	1.931	1.635	49.445	1.00K
2prf	128	12	8	f	6210.643	0.406	0.618	0.667	0.199	0.000	0.143	0.000	3.271	3.219	2.437	1.981	62.425	1.50K
2prf	128	16	8	f	7848.268	0.425	0.619	0.668	0.199	0.000	0.143	0.000	4.282	4.051	2.943	2.326	75.404	2.00K
2prf	128	18	8	f	8667.081	0.435	0.619	0.669	0.199	0.000	0.143	0.000	4.795	4.461	3.196	2.499	81.894	2.25K
2prf	256	2	8	f	2670.483	0.366	0.624	0.667	0.199	0.000	0.143	0.000	1.042	1.009	1.338	1.201	36.171	0.50K
2prf	256	4	8	f	3703.577	0.374	0.624	0.667	0.199	0.000	0.143	0.000	1.457	1.484	1.696	1.439	45.498	1.00K
2prf	256	8	8	f	5769.766	0.391	0.624	0.668	0.199	0.000	0.143	0.000	2.286	2.433	2.411	1.915	64.153	2.00K
2prf	256	12	8	f	7835.955	0.409	0.624	0.667	0.199	0.000	0.143	0.000	3.194	3.345	3.127	2.391	82.808	3.00K
2prf	256	16	8	f	9902.144	0.429	0.624	0.669	0.199	0.000	0.143	0.000	4.159	4.210	3.842	2.866	101.463	4.00K
2prf	256	18	8	f	10935.523	0.438	0.624	0.671	0.199	0.000	0.143	0.000	4.647	4.636	4.200	3.104	110.791	4.50K
2prf	512	2	8	f	3778.291	0.372	0.635	0.667	0.199	0.000								

type	word	io	mux	seg	drawing dimension area (um^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc (uA/MHz)	writec (uA/MHz)	leakage (uA)	Leakage_pd (uA)	Leakage_ffg (uA)	Total KBits
2prf	256	18	8	m	10188.873	0.458	0.623	0.712	0.199	0.000	0.143	0.000	4.454	4.654	3.782	3.045	100.308	4.50K
2prf	512	2	8	m	3413.753	0.391	0.635	0.691	0.199	0.000	0.143	0.000	1.076	1.087	1.555	1.338	45.609	1.00K
2prf	512	4	8	m	4734.387	0.399	0.635	0.694	0.199	0.000	0.143	0.000	1.482	1.598	2.032	1.695	58.360	2.00K
2prf	512	8	8	m	7375.654	0.416	0.635	0.701	0.199	0.000	0.143	0.000	2.295	2.621	2.986	2.410	83.863	4.00K
2prf	512	12	8	m	10016.921	0.434	0.635	0.707	0.199	0.000	0.143	0.000	3.151	3.601	3.941	3.124	109.365	6.00K
2prf	512	16	8	m	12658.188	0.453	0.635	0.723	0.199	0.000	0.143	0.000	4.041	4.524	4.895	3.839	134.868	8.00K
2prf	512	18	8	m	13978.822	0.463	0.635	0.733	0.199	0.000	0.143	0.000	4.490	4.979	5.373	4.196	147.619	9.00K
2prf	1024	2	8	m	5264.832	0.401	0.657	0.698	0.199	0.000	0.143	0.000	1.125	1.194	2.103	1.643	67.437	2.00K
2prf	1024	4	8	m	7301.568	0.410	0.657	0.707	0.199	0.000	0.143	0.000	1.547	1.771	2.909	2.250	89.288	4.00K
2prf	1024	8	8	m	11375.040	0.427	0.657	0.725	0.199	0.000	0.143	0.000	2.392	2.927	4.522	3.464	132.989	8.00K
2prf	1024	12	8	m	15448.512	0.445	0.657	0.744	0.199	0.000	0.143	0.000	3.253	4.042	6.134	4.678	176.690	12.00K
2prf	1024	16	8	m	19521.984	0.464	0.657	0.764	0.199	0.000	0.143	0.000	4.125	5.104	7.747	5.891	220.391	16.00K
2prf	1024	18	8	m	21558.720	0.474	0.657	0.774	0.199	0.000	0.143	0.000	4.561	5.629	8.553	6.498	242.241	18.00K
2prf	2048	2	8	m	8966.990	0.419	0.699	0.727	0.199	0.000	0.143	0.000	1.318	1.400	3.199	2.255	111.093	4.00K
2prf	2048	4	8	m	12435.930	0.428	0.699	0.731	0.199	0.000	0.143	0.000	1.867	2.099	4.664	3.361	151.142	8.00K
2prf	2048	8	8	m	19373.812	0.445	0.700	0.740	0.199	0.000	0.143	0.000	2.965	3.497	7.593	5.572	231.240	16.00K
2prf	2048	12	8	m	26311.694	0.463	0.699	0.751	0.199	0.000	0.143	0.000	4.070	4.858	10.522	7.784	311.338	24.00K
2prf	2048	16	8	m	33249.975	0.482	0.699	0.768	0.199	0.000	0.143	0.000	5.175	6.167	13.451	9.996	391.436	32.00K
2prf	2048	18	8	m	36718.516	0.492	0.699	0.778	0.199	0.000	0.143	0.000	5.728	6.815	14.915	11.102	431.485	36.00K
2prf	288	2	8	s	2581.123	0.391	0.625	0.698	0.199	0.000	0.143	0.000	1.055	1.043	1.308	1.202	35.875	0.56K
2prf	288	4	8	s	3579.647	0.399	0.625	0.699	0.199	0.000	0.143	0.000	1.453	1.526	1.635	1.450	44.505	1.12K
2prf	288	8	8	s	5576.697	0.416	0.625	0.702	0.199	0.000	0.143	0.000	2.250	2.493	2.291	1.944	61.764	2.25K
2prf	288	12	8	s	7573.747	0.434	0.625	0.704	0.199	0.000	0.143	0.000	3.100	3.418	2.946	2.439	79.023	3.38K
2prf	288	16	8	s	9570.796	0.453	0.625	0.719	0.199	0.000	0.143	0.000	3.996	4.283	3.601	2.934	96.282	4.50K
2prf	288	18	8	s	10569.321	0.463	0.625	0.728	0.199	0.000	0.143	0.000	4.448	4.709	3.929	3.182	104.912	5.06K
2prf	512	2	8	s	3231.484	0.428	0.635	0.768	0.199	0.000	0.143	0.000	1.080	1.108	1.498	1.322	44.133	1.00K
2prf	512	4	8	s	4481.606	0.436	0.635	0.777	0.199	0.000	0.143	0.000	1.477	1.630	1.930	1.674	55.799	2.00K
2prf	512	8	8	s	6981.849	0.453	0.635	0.795	0.199	0.000	0.143	0.000	2.269	2.674	2.794	2.378	79.010	4.00K
2prf	512	12	8	s	9482.092	0.471	0.635	0.813	0.199	0.000	0.143	0.000	3.100	3.676	3.658	3.082	102.260	6.00K
2prf	512	16	8	s	11982.335	0.490	0.635	0.834	0.199	0.000	0.143	0.000	3.989	4.624	4.523	3.786	125.511	8.00K
2prf	512	18	8	s	13232.457	0.500	0.635	0.844	0.199	0.000	0.143	0.000	4.407	5.031	4.955	4.138	137.136	9.00K
2prf	1024	2	8	s	4900.294	0.444	0.656	0.808	0.199	0.000	0.143	0.000	1.184	1.211	1.989	1.611	64.486	2.00K
2prf	1024	4	8	s	6796.006	0.451	0.656	0.817	0.199	0.000	0.143	0.000	1.649	1.792	2.705	2.207	84.085	4.00K
2prf	1024	8	8	s	10587.430	0.467	0.657	0.835	0.199	0.000	0.143	0.000	2.579	2.956	4.137	3.400	123.282	8.00K
2prf	1024	12	8	s	14378.554	0.483	0.657	0.854	0.199	0.000	0.143	0.000	3.536	4.079	5.569	4.592	162.479	12.00K
2prf	1024	16	8	s	18170.278	0.501	0.657	0.874	0.199	0.000	0.143	0.000	4.518	5.150	7.002	5.784	201.677	16.00K
2prf	1024	18	8	s	20665.990	0.509	0.657	0.884	0.199	0.000	0.143	0.000	5.012	5.678	7.718	6.381	221.275	18.00K
2prf	2048	2	8	s	8237.914	0.476	0.699	0.889	0.199	0.000	0.143	0.000	1.392	1.416	2.971	2.190	105.190	4.00K
2prf	2048	4	8	s	11244.806	0.482	0.699	0.897	0.199	0.000	0.143	0.000	1.994	2.117	4.255	3.274	140.736	8.00K
2prf	2048	8	8	s	17798.592	0.495	0.700	0.915	0.199	0.000	0.143	0.000	3.198	3.520	6.823	5.444	211.827	16.00K
2prf	2048	12	8	s	24172.378	0.507	0.700	0.935	0.199	0.000	0.143	0.000	4.406	4.886	7.613	5.282	291.244	24.00K
2prf	2048	16	8	s	30546.163	0.521	0.700	0.954	0.199	0.000	0.143	0.000	5.617	6.200	11.960	9.782	354.008	32.00K
2prf	2048	18	8	s	33733.056	0.528	0.700	0.964	0.199	0.000	0.143	0.000	6.223	6.852	13.244	10.867	389.554	36.00K
2prf	4096	2	8	s	14913.153	0.591	0.813	0.898	0.199	0.000	0.143	0.000	1.787	1.832	4.935	3.347	186.600	8.00K
2prf	4096	4	8	s	20682.407	0.598	0.819	0.907	0.199	0.000	0.143	0.000	2.644	2.773	7.355	5.409	254.039	16.00K
2prf	4096	8	8	s	32220.916	0.611	0.832	0.925	0.199	0.000	0.143	0.000	4.359	4.655	12.195	9.532	388.916	32.00K
2prf	4096	12	8	s	43759.425	0.625	0.846	0.943	0.199	0.000	0.143	0.000	6.077	6.496	17.035	13.655	523.794	48.00K
2prf	4096	16	8	s	55297.934	0.638	0.861	0.962	0.199	0.000	0.143	0.000	7.784	8.283	21.876	17.777	658.672	64.00K
2prf	4096	18	8	s	61067.188	0.645	0.867	0.972	0.199	0.000	0.143	0.000	8.636	9.169	24.296	19.839	726.111	72.00K
2prf	64	2	16	f	2428.935	0.392	0.615	0.653	0.199	0.000	0.143	0.000	1.516	1.385	1.277	1.169	31.117	0.12K
2prf	64	4	16	f	3784.013	0.404	0.615	0.653	0.199	0.000	0.143	0.000	2.351	2.236	1.671	1.400	41.003	0.25K
2prf	64	6	16	f	5139.091	0.422	0.615	0.653	0.199	0.000	0.143	0.000	3.346	3.058	2.065	1.631	50.888	0.38K
2prf	64	8	16	f	6494.170	0.440	0.615	0.653	0.199	0.000	0.143	0.000	4.415	3.829	2.459	1.862	60.774	0.50K
2prf	64	9	16	f	7171.709	0.449	0.615	0.653	0.199	0.000	0.143	0.000	4.949	4.215	2.656	1.978	65.717	0.56K
2prf	128	2	16	f	2677.689	0.396	0.616	0.656	0.199	0.000	0.143	0.000	1.488	1.396	1.319	1.201	32.724	0.25K
2prf	128	4	16	f	4171.545	0.408	0.616	0.657	0.199	0.000	0.143	0.000	2.285	2.253	1.743	1.462	43.466	0.50K
2prf	128	6	16	f	5665.401	0.426	0.616	0.656	0.199	0.000	0.143	0.000	3.235	3.083	2.167	1.723	54.208	0.75K
2prf	128	8	16	f	7159.257	0.444	0.616	0.6										

type	word	io	mux	seg	drawing dimension area (μm^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc ($\mu\text{A}/\text{MHz}$)	writec ($\mu\text{A}/\text{MHz}$)	leakage (μA)	Leakage_pd (μA)	Leakage_ffg (μA)	Total KBits
Zprf	320	4	16	m	4773.753	0.425	0.621	0.673	0.199	0.000	0.143	0.000	2.198	2.315	1.959	1.647	50.857	1.25K
Zprf	320	6	16	m	6483.263	0.443	0.622	0.672	0.199	0.000	0.143	0.000	3.080	3.164	2.472	1.998	64.167	1.88K
Zprf	320	8	16	m	8192.774	0.462	0.621	0.676	0.199	0.000	0.143	0.000	4.009	3.957	2.986	2.348	77.477	2.50K
Zprf	320	9	16	m	9047.529	0.471	0.621	0.678	0.199	0.000	0.143	0.000	4.474	4.353	3.243	2.524	84.131	2.81K
Zprf	512	2	16	m	3450.796	0.430	0.625	0.687	0.199	0.000	0.143	0.000	1.445	1.492	1.571	1.393	42.371	1.00K
Zprf	512	4	16	m	5375.961	0.442	0.625	0.688	0.199	0.000	0.143	0.000	2.135	2.392	2.174	1.833	58.248	2.00K
Zprf	512	6	16	m	7301.126	0.460	0.625	0.688	0.199	0.000	0.143	0.000	2.954	3.251	2.778	2.273	74.126	3.00K
Zprf	512	8	16	m	9226.291	0.479	0.625	0.704	0.199	0.000	0.143	0.000	3.802	4.050	3.381	2.713	90.003	4.00K
Zprf	512	9	16	m	10188.873	0.488	0.625	0.712	0.199	0.000	0.143	0.000	4.226	4.449	3.682	2.933	97.942	4.50K
Zprf	1024	2	16	m	4734.387	0.435	0.636	0.695	0.199	0.000	0.143	0.000	1.472	1.559	2.010	1.670	57.835	2.00K
Zprf	1024	4	16	m	7375.654	0.448	0.636	0.701	0.199	0.000	0.143	0.000	2.183	2.507	2.942	2.360	82.811	4.00K
Zprf	1024	6	16	m	10016.921	0.466	0.636	0.706	0.199	0.000	0.143	0.000	3.008	3.417	3.874	3.050	107.788	6.00K
Zprf	1024	8	16	m	12658.188	0.484	0.636	0.724	0.199	0.000	0.143	0.000	3.849	4.267	4.807	3.739	132.765	8.00K
Zprf	1024	9	16	m	13978.822	0.493	0.636	0.733	0.199	0.000	0.143	0.000	4.269	4.692	5.273	4.084	145.253	9.00K
Zprf	2048	2	16	m	7301.568	0.446	0.658	0.712	0.199	0.000	0.143	0.000	1.525	1.693	2.887	2.225	88.762	4.00K
Zprf	2048	4	16	m	11375.040	0.459	0.658	0.725	0.199	0.000	0.143	0.000	2.276	2.738	4.477	3.414	131.937	8.00K
Zprf	2048	6	16	m	15448.512	0.477	0.658	0.744	0.199	0.000	0.143	0.000	3.115	3.750	6.068	4.603	175.112	12.00K
Zprf	2048	8	16	m	19521.984	0.495	0.658	0.764	0.199	0.000	0.143	0.000	3.942	4.703	7.658	5.792	218.287	16.00K
Zprf	2048	9	16	m	21558.720	0.504	0.658	0.774	0.199	0.000	0.143	0.000	4.356	5.179	8.454	6.386	239.875	18.00K
Zprf	4096	2	16	m	12435.930	0.464	0.700	0.734	0.199	0.000	0.143	0.000	1.842	1.940	4.642	3.336	150.617	8.00K
Zprf	4096	4	16	m	19373.830	0.477	0.700	0.734	0.199	0.000	0.143	0.000	2.852	3.153	7.548	5.522	230.189	16.00K
Zprf	4096	6	16	m	26311.694	0.495	0.700	0.748	0.199	0.000	0.143	0.000	3.336	4.336	10.455	7.709	309.761	24.00K
Zprf	4096	8	16	m	32349.575	0.513	0.700	0.769	0.199	0.000	0.143	0.000	4.999	5.460	13.362	9.896	389.333	32.00K
Zprf	4096	9	16	m	36718.516	0.523	0.700	0.779	0.199	0.000	0.143	0.000	5.531	6.024	14.815	10.989	429.119	36.00K
Zprf	576	2	16	s	3579.647	0.435	0.626	0.699	0.199	0.000	0.143	0.000	1.447	1.503	1.613	1.425	43.979	1.12K
Zprf	576	4	16	s	5576.697	0.447	0.626	0.701	0.199	0.000	0.143	0.000	2.137	2.410	2.246	1.895	60.712	2.25K
Zprf	576	6	16	s	7573.747	0.466	0.626	0.703	0.199	0.000	0.143	0.000	2.954	3.278	2.879	2.365	77.445	3.38K
Zprf	576	8	16	s	9570.796	0.484	0.626	0.720	0.199	0.000	0.143	0.000	3.798	4.085	3.512	2.835	94.179	4.50K
Zprf	576	9	16	s	10569.321	0.493	0.626	0.729	0.199	0.000	0.143	0.000	4.220	4.488	3.829	3.070	102.545	5.08K
Zprf	1024	2	16	s	4481.606	0.472	0.636	0.780	0.199	0.000	0.143	0.000	1.462	1.581	1.808	1.549	55.233	2.00K
Zprf	1024	4	16	s	6391.849	0.484	0.636	0.794	0.199	0.000	0.143	0.000	2.151	2.539	2.750	2.328	77.958	4.00K
Zprf	1024	6	16	s	9482.092	0.502	0.636	0.813	0.199	0.000	0.143	0.000	2.955	3.364	3.592	3.007	100.683	6.00K
Zprf	1024	8	16	s	11982.335	0.521	0.636	0.834	0.199	0.000	0.143	0.000	3.770	4.331	4.434	3.686	123.408	8.00K
Zprf	1024	9	16	s	13232.457	0.530	0.636	0.844	0.199	0.000	0.143	0.000	4.178	4.764	4.855	4.025	134.770	9.00K
Zprf	2048	2	16	s	6796.006	0.484	0.658	0.820	0.199	0.000	0.143	0.000	1.631	1.706	2.683	2.182	83.559	4.00K
Zprf	2048	4	16	s	10587.430	0.496	0.658	0.834	0.199	0.000	0.143	0.000	2.467	2.750	4.093	3.350	122.230	8.00K
Zprf	2048	6	16	s	14378.854	0.512	0.658	0.853	0.199	0.000	0.143	0.000	3.397	3.762	5.503	4.517	160.902	12.00K
Zprf	2048	8	16	s	18170.278	0.530	0.658	0.874	0.199	0.000	0.143	0.000	4.331	4.716	6.913	5.685	199.574	16.00K
Zprf	2048	9	16	s	20065.990	0.539	0.658	0.884	0.199	0.000	0.143	0.000	4.798	5.193	7.618	6.268	218.909	18.00K
Zprf	4096	2	16	s	11424.806	0.508	0.700	0.900	0.199	0.000	0.143	0.000	1.969	1.958	4.233	3.249	140.210	8.00K
Zprf	4096	4	16	s	17798.592	0.520	0.700	0.914	0.199	0.000	0.143	0.000	3.097	3.172	6.779	5.394	210.775	16.00K
Zprf	4096	6	16	s	24172.378	0.533	0.700	0.933	0.199	0.000	0.143	0.000	4.280	4.358	9.325	7.538	281.340	24.00K
Zprf	4096	8	16	s	30546.163	0.550	0.700	0.954	0.199	0.000	0.143	0.000	5.452	5.486	11.871	9.682	351.905	32.00K
Zprf	4096	9	16	s	33733.056	0.558	0.700	0.964	0.199	0.000	0.143	0.000	6.038	6.050	13.144	10.755	387.188	36.00K
Zprf	8192	2	16	s	20682.407	0.627	0.814	0.910	0.199	0.000	0.143	0.000	2.596	2.452	7.333	5.384	253.513	16.00K
Zprf	8192	4	16	s	32220.916	0.639	0.821	0.924	0.199	0.000	0.143	0.000	4.214	3.991	12.151	9.482	387.865	32.00K
Zprf	8192	6	16	s	43759.425	0.652	0.834	0.941	0.199	0.000	0.143	0.000	5.891	5.499	16.969	13.580	522.217	48.00K
Zprf	8192	8	16	s	55297.934	0.666	0.846	0.962	0.199	0.000	0.143	0.000	7.552	6.954	21.787	17.678	656.569	64.00K
Zprf	8192	9	16	s	61067.188	0.672	0.853	0.972	0.199	0.000	0.143	0.000	8.383	7.682	24.196	19.727	723.745	72.00K

11p21vm40c																		
type	word	io	mux	seg	drawing dimension area (um^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc (uA/MHz)	witec (uA/MHz)	leakage (uA)	Leakage_pd (uA)	Leakage_ffg (uA)	Total KBits
2pfr	8	2	2	f	1243.241	0.304	0.602	0.639	0.193	0.000	0.138	0.000	0.691	0.565	0.159	0.159	22.887	0.02K
2pfr	8	16	2	f	2428.935	0.324	0.602	0.639	0.193	0.000	0.138	0.000	1.656	1.373	0.249	0.230	34.483	0.12K
2pfr	8	32	2	f	3784.013	0.346	0.602	0.639	0.193	0.000	0.138	0.000	2.760	2.296	0.355	0.311	47.736	0.25K
2pfr	8	48	2	f	5139.091	0.368	0.603	0.639	0.193	0.000	0.138	0.000	3.976	3.192	0.461	0.392	60.988	0.38K
2pfr	8	64	2	f	6494.170	0.391	0.603	0.642	0.193	0.000	0.138	0.000	5.262	4.055	0.567	0.473	74.240	0.50K
2pfr	8	72	2	f	7171.709	0.403	0.603	0.645	0.193	0.000	0.138	0.000	5.915	4.480	0.620	0.513	80.866	0.56K
2pfr	16	2	2	f	1370.565	0.308	0.603	0.642	0.193	0.000	0.138	0.000	0.690	0.572	0.162	0.162	23.746	0.03K
2pfr	16	16	2	f	2677.689	0.328	0.604	0.642	0.193	0.000	0.138	0.000	1.624	1.403	0.262	0.243	36.091	0.25K
2pfr	16	32	2	f	4171.545	0.350	0.604	0.643	0.193	0.000	0.138	0.000	2.691	2.353	0.379	0.335	50.199	0.50K
2pfr	16	48	2	f	5665.401	0.372	0.604	0.643	0.193	0.000	0.138	0.000	3.864	3.274	0.497	0.427	64.307	0.75K
2pfr	16	64	2	f	7159.257	0.395	0.604	0.644	0.193	0.000	0.138	0.000	5.101	4.166	0.614	0.519	78.416	1.00K
2pfr	16	72	2	f	7906.185	0.407	0.604	0.646	0.193	0.000	0.138	0.000	5.729	4.806	0.672	0.565	85.470	1.12K
2pfr	32	2	2	f	1502.469	0.319	0.606	0.653	0.193	0.000	0.138	0.000	0.694	0.586	0.168	0.168	25.464	0.06K
2pfr	32	16	2	f	2935.391	0.339	0.606	0.653	0.193	0.000	0.138	0.000	1.598	1.465	0.290	0.268	39.306	0.50K
2pfr	32	32	2	f	4573.017	0.361	0.606	0.653	0.193	0.000	0.138	0.000	2.630	2.469	0.429	0.382	55.127	1.00K
2pfr	32	48	2	f	6210.643	0.384	0.607	0.653	0.193	0.000	0.138	0.000	3.750	3.455	0.568	0.497	70.947	1.50K
2pfr	32	64	2	f	7848.268	0.406	0.607	0.656	0.193	0.000	0.138	0.000	4.926	4.409	0.708	0.611	86.767	2.00K
2pfr	32	72	2	f	8667.081	0.418	0.607	0.658	0.193	0.000	0.138	0.000	5.522	4.877	0.777	0.668	94.677	2.25K
2pfr	64	2	2	f	1895.662	0.322	0.612	0.652	0.193	0.000	0.138	0.000	0.706	0.615	0.189	0.183	29.530	0.12K
2pfr	64	16	2	f	3703.577	0.342	0.612	0.652	0.193	0.000	0.138	0.000	1.583	1.578	0.361	0.324	48.333	1.00K
2pfr	64	32	2	f	5769.766	0.364	0.612	0.653	0.193	0.000	0.138	0.000	2.586	2.678	0.559	0.486	69.835	2.00K
2pfr	64	48	2	f	7835.955	0.387	0.612	0.653	0.193	0.000	0.138	0.000	3.699	3.759	0.756	0.647	91.330	3.00K
2pfr	64	64	2	f	9902.144	0.409	0.612	0.657	0.193	0.000	0.138	0.000	4.802	4.803	0.953	0.808	112.826	4.00K
2pfr	64	72	2	f	10935.238	0.421	0.612	0.660	0.193	0.000	0.138	0.000	5.376	5.319	1.052	0.889	123.574	4.50K
2pfr	128	2	2	f	2682.048	0.329	0.623	0.652	0.193	0.000	0.138	0.000	0.729	0.671	0.230	0.213	37.664	0.25K
2pfr	128	16	2	f	5239.949	0.348	0.623	0.652	0.193	0.000	0.138	0.000	1.554	1.803	0.504	0.437	66.404	2.00K
2pfr	128	32	2	f	8163.264	0.371	0.623	0.653	0.193	0.000	0.138	0.000	2.498	3.097	0.818	0.692	99.251	4.00K
2pfr	128	48	2	f	11086.579	0.393	0.623	0.653	0.193	0.000	0.138	0.000	3.506	4.367	1.131	0.948	132.098	6.00K
2pfr	128	64	2	f	14009.894	0.416	0.624	0.659	0.193	0.000	0.138	0.000	4.554	5.593	1.446	1.204	164.944	8.00K
2pfr	128	72	2	f	15471.552	0.427	0.624	0.663	0.193	0.000	0.138	0.000	5.084	6.190	1.601	1.331	181.367	9.00K
2pfr	256	2	2	f	4254.820	0.340	0.644	0.652	0.193	0.000	0.138	0.000	0.773	0.757	0.313	0.273	53.930	0.50K
2pfr	256	16	2	f	8312.692	0.359	0.645	0.660	0.193	0.000	0.138	0.000	1.658	2.193	0.790	0.661	102.535	4.00K
2pfr	256	32	2	f	12950.260	0.382	0.645	0.671	0.193	0.000	0.138	0.000	2.670	3.835	1.336	1.106	158.084	8.00K
2pfr	256	48	2	f	17587.828	0.404	0.645	0.681	0.193	0.000	0.138	0.000	3.720	5.457	1.882	1.550	213.632	12.00K
2pfr	256	64	2	f	22225.396	0.427	0.645	0.691	0.193	0.000	0.138	0.000	4.805	7.030	2.427	1.994	269.181	16.00K
2pfr	256	72	2	f	24544.180	0.438	0.645	0.696	0.193	0.000	0.138	0.000	5.354	7.804	2.700	2.216	296.955	18.00K
2pfr	40	2	2	m	1568.421	0.325	0.608	0.657	0.193	0.000	0.138	0.000	0.702	0.599	0.172	0.172	26.323	0.08K
2pfr	40	16	2	m	3064.243	0.344	0.608	0.658	0.193	0.000	0.138	0.000	1.590	1.506	0.304	0.281	40.914	0.62K
2pfr	40	32	2	m	4773.753	0.367	0.608	0.658	0.193	0.000	0.138	0.000	2.606	2.543	0.454	0.406	57.590	1.25K
2pfr	40	48	2	m	6483.263	0.389	0.608	0.658	0.193	0.000	0.138	0.000	3.704	3.560	0.604	0.531	74.266	1.88K
2pfr	40	64	2	m	8192.774	0.412	0.608	0.663	0.193	0.000	0.138	0.000	4.851	4.542	0.755	0.657	90.942	2.50K
2pfr	40	72	2	m	9047.529	0.423	0.608	0.667	0.193	0.000	0.138	0.000	5.431	5.025	0.830	0.719	99.280	2.81K
2pfr	64	2	2	m	1766.277	0.341	0.612	0.672	0.193	0.000	0.138	0.000	0.723	0.636	0.185	0.181	28.899	0.12K
2pfr	64	16	2	m	3450.796	0.360	0.612	0.673	0.193	0.000	0.138	0.000	1.567	1.629	0.345	0.319	45.737	1.00K
2pfr	64	32	2	m	5375.961	0.383	0.612	0.673	0.193	0.000	0.138	0.000	2.533	2.764	0.529	0.478	64.981	2.00K
2pfr	64	48	2	m	7301.126	0.405	0.612	0.673	0.193	0.000	0.138	0.000	3.566	3.875	0.712	0.636	84.225	3.00K
2pfr	64	64	2	m	9226.291	0.428	0.612	0.683	0.193	0.000	0.138	0.000	4.625	4.943	0.896	0.794	103.469	4.00K
2pfr	64	72	2	m	10188.873	0.440	0.612	0.692	0.193	0.000	0.138	0.000	5.157	5.466	0.987	0.873	113.091	4.50K
2pfr	128	2	2	m	2423.278	0.346	0.623	0.672	0.193	0.000	0.138	0.000	0.743	0.679	0.222	0.208	36.401	0.25K
2pfr	128	16	2	m	4734.387	0.366	0.623	0.677	0.193	0.000	0.138	0.000	1.602	1.822	0.472	0.426	61.201	2.00K
2pfr	128	32	2	m	7375.654	0.388	0.623	0.683	0.193	0.000	0.138	0.000	2.584	3.129	0.758	0.676	89.544	4.00K
2pfr	128	48	2	m	10016.921	0.411	0.623	0.689	0.193	0.000	0.138	0.000	3.613	4.414	1.043	0.926	117.887	6.00K
2pfr	128	64	2	m	12558.188	0.433	0.623	0.703	0.193	0.000	0.138	0.000	4.667	5.654	1.329	1.176	146.230	8.00K
2pfr	128	72	2	m	13978.822	0.445	0.623	0.711	0.193	0.000	0.138	0.000	5.197	6.263	1.472	1.300	160.402	9.00K
2pfr	256	2	2	m	3737.280	0.357	0.644	0.671	0.193	0.000	0.138	0.000	0.784	0.765	0.296	0.262	51.404	0.50K
2pfr	256	16	2	m	7301.568	0.376	0.645	0.686	0.193	0.000	0.138	0.000	1.671	2.209	0.725	0.640	92.128	4.00K
2pfr	256	32	2	m	11375.040	0.399	0.645	0.703	0.193	0.000	0.138	0.000	2.685	3.859	1.215	1.073	138.670	8.00K</td

type	word	io	mux	seg	drawing dimension area (μm^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc ($\mu\text{A}/\text{MHz}$)	writec ($\mu\text{A}/\text{MHz}$)	leakage (μA)	Leakage_pd (μA)	Leakage_ffg (μA)	Total KBits
2prf	256	16	2	s	6796.006	0.417	0.644	0.789	0.193	0.000	0.138	0.000	1.767	2.281	0.693	0.630	86.925	4.00K
2prf	256	32	2	s	10587.430	0.437	0.644	0.808	0.193	0.000	0.138	0.000	2.859	3.990	1.155	1.057	128.963	8.00K
2prf	256	48	2	s	14378.854	0.456	0.644	0.827	0.193	0.000	0.138	0.000	3.980	5.675	1.618	1.483	171.001	12.00K
2prf	256	64	2	s	18170.278	0.478	0.645	0.846	0.193	0.000	0.138	0.000	5.130	7.313	2.080	1.910	213.039	16.00K
2prf	256	72	2	s	20065.990	0.490	0.645	0.855	0.193	0.000	0.138	0.000	5.711	8.120	2.312	2.123	234.058	18.00K
2prf	512	2	2	s	5847.744	0.439	0.687	0.851	0.193	0.000	0.138	0.000	0.914	0.953	0.428	0.360	78.886	1.00K
2prf	512	16	2	s	11424.806	0.449	0.687	0.868	0.193	0.000	0.138	0.000	2.107	3.022	1.167	1.048	143.576	8.00K
2prf	512	32	2	s	17798.592	0.462	0.687	0.886	0.193	0.000	0.138	0.000	3.470	5.386	2.011	1.834	217.508	16.00K
2prf	512	48	2	s	24172.378	0.476	0.687	0.905	0.193	0.000	0.138	0.000	4.834	7.727	2.855	2.621	291.440	24.00K
2prf	512	64	2	s	30546.163	0.496	0.695	0.923	0.193	0.000	0.138	0.000	6.208	10.020	3.699	3.407	365.371	32.00K
2prf	512	72	2	s	33733.056	0.508	0.704	0.933	0.193	0.000	0.138	0.000	6.898	11.154	4.121	3.800	402.337	36.00K
2prf	1024	2	2	s	10586.212	0.546	0.803	0.860	0.193	0.000	0.138	0.000	1.123	1.305	0.708	0.566	136.376	2.00K
2prf	1024	16	2	s	20682.407	0.557	0.816	0.876	0.193	0.000	0.138	0.000	2.821	4.599	2.115	1.884	256.879	16.00K
2prf	1024	32	2	s	32220.916	0.570	0.830	0.895	0.193	0.000	0.138	0.000	4.761	8.364	3.722	3.389	394.598	32.00K
2prf	1024	48	2	s	43759.425	0.583	0.847	0.913	0.193	0.000	0.138	0.000	6.687	12.107	5.329	4.895	532.316	48.00K
2prf	1024	64	2	s	55297.934	0.595	0.865	0.932	0.193	0.000	0.138	0.000	8.556	15.791	6.936	6.401	670.034	64.00K
2prf	1024	72	2	s	61067.188	0.601	0.874	0.942	0.193	0.000	0.138	0.000	9.474	17.617	7.739	7.154	738.894	72.00K
2prf	16	2	4	f	1412.626	0.317	0.603	0.638	0.193	0.000	0.138	0.000	0.797	0.680	0.165	0.165	24.073	0.03K
2prf	16	8	4	f	2428.935	0.331	0.603	0.638	0.193	0.000	0.138	0.000	1.521	1.349	0.234	0.214	32.601	0.12K
2prf	16	16	4	f	3784.013	0.350	0.603	0.639	0.193	0.000	0.138	0.000	2.488	2.242	0.326	0.279	43.971	0.25K
2prf	16	24	4	f	5139.091	0.370	0.603	0.639	0.193	0.000	0.138	0.000	3.560	3.105	0.417	0.344	55.341	0.38K
2prf	16	32	4	f	6494.170	0.390	0.603	0.641	0.193	0.000	0.138	0.000	4.688	4.330	0.509	0.409	66.711	0.50K
2prf	16	36	4	f	7171.709	0.399	0.603	0.642	0.193	0.000	0.138	0.000	5.258	4.334	0.555	0.442	72.396	0.56K
2prf	32	2	4	f	1557.397	0.321	0.604	0.642	0.193	0.000	0.138	0.000	0.793	0.687	0.174	0.170	25.039	0.06K
2prf	32	8	4	f	2677.689	0.335	0.604	0.642	0.193	0.000	0.138	0.000	1.491	1.371	0.248	0.227	34.209	0.25K
2prf	32	16	4	f	4171.545	0.354	0.605	0.642	0.193	0.000	0.138	0.000	2.422	2.282	0.351	0.303	46.434	0.50K
2prf	32	24	4	f	5665.401	0.374	0.604	0.642	0.193	0.000	0.138	0.000	3.447	3.157	0.453	0.379	58.660	0.75K
2prf	32	32	4	f	7159.257	0.394	0.604	0.643	0.193	0.000	0.138	0.000	4.530	3.997	0.556	0.455	70.886	1.00K
2prf	32	36	4	f	7906.185	0.404	0.604	0.644	0.193	0.000	0.138	0.000	5.080	4.410	0.607	0.493	76.999	1.12K
2prf	64	2	4	f	1707.172	0.332	0.606	0.652	0.193	0.000	0.138	0.000	0.792	0.703	0.182	0.179	26.971	0.12K
2prf	64	8	4	f	2935.351	0.346	0.607	0.652	0.193	0.000	0.138	0.000	1.463	1.411	0.276	0.252	37.424	0.50K
2prf	64	16	4	f	4573.017	0.366	0.607	0.652	0.193	0.000	0.138	0.000	2.356	2.355	0.400	0.350	51.362	1.00K
2prf	64	24	4	f	6210.643	0.385	0.607	0.653	0.193	0.000	0.138	0.000	3.335	3.263	0.525	0.449	65.300	1.50K
2prf	64	32	4	f	7848.268	0.405	0.607	0.655	0.193	0.000	0.138	0.000	4.353	4.137	0.650	0.547	79.237	2.00K
2prf	64	36	4	f	8667.081	0.415	0.607	0.656	0.193	0.000	0.138	0.000	4.865	4.566	0.712	0.596	86.206	2.25K
2prf	128	2	4	f	2153.936	0.335	0.612	0.652	0.193	0.000	0.138	0.000	0.801	0.734	0.210	0.200	31.747	0.25K
2prf	128	8	4	f	3703.577	0.350	0.612	0.652	0.193	0.000	0.138	0.000	1.448	1.485	0.347	0.308	46.457	1.00K
2prf	128	16	4	f	5769.766	0.369	0.612	0.652	0.193	0.000	0.138	0.000	2.311	2.486	0.530	0.454	66.070	2.00K
2prf	128	24	4	f	7835.955	0.388	0.612	0.653	0.193	0.000	0.138	0.000	3.252	3.447	0.713	0.599	85.683	3.00K
2prf	128	32	4	f	9902.144	0.408	0.612	0.655	0.193	0.000	0.138	0.000	4.228	4.373	0.896	0.744	105.297	4.00K
2prf	128	36	4	f	10935.238	0.418	0.612	0.658	0.193	0.000	0.138	0.000	4.719	4.830	0.987	0.817	115.103	4.50K
2prf	256	2	4	f	3047.462	0.342	0.623	0.651	0.193	0.000	0.138	0.000	0.817	0.795	0.266	0.241	41.299	0.50K
2prf	256	8	4	f	5239.949	0.356	0.623	0.652	0.193	0.000	0.138	0.000	1.419	1.632	0.490	0.421	64.522	2.00K
2prf	256	16	4	f	8163.264	0.375	0.623	0.652	0.193	0.000	0.138	0.000	2.221	2.749	0.789	0.660	95.486	4.00K
2prf	256	24	4	f	11086.579	0.394	0.623	0.653	0.193	0.000	0.138	0.000	3.085	3.813	1.088	0.900	126.451	6.00K
2prf	256	32	4	f	14009.894	0.414	0.623	0.657	0.193	0.000	0.138	0.000	3.978	4.845	1.387	1.140	157.415	8.00K
2prf	256	36	4	f	15471.552	0.424	0.624	0.661	0.193	0.000	0.138	0.000	4.426	5.357	1.536	1.260	172.897	9.00K
2prf	512	2	4	f	4834.516	0.353	0.645	0.651	0.193	0.000	0.138	0.000	0.871	0.878	0.378	0.324	60.403	1.00K
2prf	512	8	4	f	8312.692	0.367	0.645	0.659	0.193	0.000	0.138	0.000	1.523	1.875	0.776	0.645	100.653	4.00K
2prf	512	16	4	f	12950.260	0.386	0.645	0.669	0.193	0.000	0.138	0.000	2.392	3.192	1.307	1.074	154.319	8.00K
2prf	512	24	4	f	17587.828	0.406	0.645	0.679	0.193	0.000	0.138	0.000	3.299	4.458	1.838	1.502	207.985	12.00K
2prf	512	32	4	f	22225.396	0.426	0.645	0.689	0.193	0.000	0.138	0.000	4.226	5.690	2.370	1.930	261.651	16.00K
2prf	512	36	4	f	24544.180	0.436	0.645	0.693	0.193	0.000	0.138	0.000	4.693	6.301	2.635	2.144	288.484	18.00K
2prf	80	2	4	m	1782.110	0.337	0.608	0.657	0.193	0.000	0.138	0.000	0.798	0.716	0.187	0.183	27.936	0.16K
2prf	80	8	4	m	3064.243	0.352	0.608	0.657	0.193	0.000	0.138	0.000	1.455	1.436	0.289	0.265	39.032	0.62K
2prf	80	16	4	m	4773.753	0.371	0.608	0.657	0.193	0.000	0.138	0.000	2.332	2.396	0.425	0.374	53.826	1.25K
2prf	80	24	4	m	6483.263	0.391	0.608	0.658	0.193	0.000	0.138	0.000	3.288	3.317	0.561	0.483	68.619	1.88K
2prf	8																	

type	word	io	mux	seg	drawing dimension area (μm ²)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc (uA/MHz)	writec (uA/MHz)	leakage (uA)	Leakage_pd (uA)	Leakage_ffg (uA)	Total KBits
2prf	1024	24	4	m	26311.694	0.441	0.687	0.733	0.193	0.000	0.138	0.000	4.106	5.757	2.987	2.617	314.213	24.00K
2prf	1024	32	4	m	33249.575	0.460	0.687	0.747	0.193	0.000	0.138	0.000	5.232	7.393	3.872	3.399	395.269	32.00K
2prf	1024	36	4	m	36718.516	0.470	0.692	0.755	0.193	0.000	0.138	0.000	5.796	8.206	4.315	3.790	435.797	36.00K
2prf	144	2	4	s	2081.860	0.359	0.613	0.680	0.193	0.000	0.138	0.000	0.819	0.764	0.209	0.201	31.800	0.28K
2prf	144	8	4	s	3579.647	0.373	0.614	0.682	0.193	0.000	0.138	0.000	1.437	1.539	0.344	0.316	45.463	1.12K
2prf	144	16	4	s	5576.697	0.392	0.614	0.684	0.193	0.000	0.138	0.000	2.262	2.572	0.525	0.469	63.680	2.25K
2prf	144	24	4	s	7573.747	0.412	0.614	0.687	0.193	0.000	0.138	0.000	3.147	3.553	0.705	0.623	81.898	3.38K
2prf	144	32	4	s	9570.796	0.432	0.614	0.698	0.193	0.000	0.138	0.000	4.055	4.497	0.885	0.776	100.115	4.50K
2prf	144	36	4	s	10569.321	0.442	0.614	0.706	0.193	0.000	0.138	0.000	4.511	4.962	0.975	0.853	109.224	5.06K
2prf	256	2	4	s	2606.423	0.395	0.623	0.738	0.193	0.000	0.138	0.000	0.850	0.824	0.248	0.232	38.560	0.50K
2prf	256	8	4	s	4481.606	0.409	0.623	0.751	0.193	0.000	0.138	0.000	1.459	1.689	0.441	0.405	56.717	2.00K
2prf	256	16	4	s	6981.849	0.428	0.623	0.770	0.193	0.000	0.138	0.000	2.273	2.841	0.699	0.636	80.926	4.00K
2prf	256	24	4	s	9482.092	0.448	0.623	0.788	0.193	0.000	0.138	0.000	3.130	3.948	0.956	0.867	105.135	6.00K
2prf	256	32	4	s	11982.335	0.468	0.623	0.807	0.193	0.000	0.138	0.000	4.014	5.017	1.214	1.098	129.344	8.00K
2prf	256	36	4	s	13232.457	0.478	0.624	0.817	0.193	0.000	0.138	0.000	4.460	5.545	1.342	1.213	141.449	9.00K
2prf	512	2	4	s	3952.438	0.413	0.644	0.777	0.193	0.000	0.138	0.000	0.919	0.915	0.342	0.306	54.926	1.00K
2prf	512	8	4	s	6796.006	0.425	0.645	0.790	0.193	0.000	0.138	0.000	1.631	1.922	0.678	0.614	85.043	4.00K
2prf	512	16	4	s	10587.430	0.442	0.645	0.808	0.193	0.000	0.138	0.000	2.581	3.266	1.126	1.025	125.199	8.00K
2prf	512	24	4	s	14378.854	0.459	0.644	0.827	0.193	0.000	0.138	0.000	3.560	4.564	1.575	1.435	165.354	12.00K
2prf	512	32	4	s	18170.278	0.477	0.645	0.846	0.193	0.000	0.138	0.000	4.556	5.825	2.023	1.846	205.510	16.00K
2prf	512	36	4	s	20665.990	0.487	0.645	0.856	0.193	0.000	0.138	0.000	5.057	6.448	2.247	2.051	225.588	18.00K
2prf	1024	2	4	s	6644.467	0.448	0.687	0.854	0.193	0.000	0.138	0.000	1.057	1.096	0.530	0.454	87.657	2.00K
2prf	1024	8	4	s	11424.806	0.457	0.687	0.868	0.193	0.000	0.138	0.000	1.974	2.390	1.152	1.032	141.694	8.00K
2prf	1024	16	4	s	17798.592	0.469	0.687	0.886	0.193	0.000	0.138	0.000	3.198	4.115	1.982	1.802	213.743	16.00K
2prf	1024	24	4	s	24172.378	0.482	0.687	0.905	0.193	0.000	0.138	0.000	4.419	5.796	2.812	2.573	285.793	24.00K
2prf	1024	32	4	s	30546.163	0.497	0.687	0.924	0.193	0.000	0.138	0.000	5.640	7.439	3.641	3.343	357.842	32.00K
2prf	1024	36	4	s	33733.056	0.505	0.687	0.933	0.193	0.000	0.138	0.000	6.250	8.254	4.056	3.728	393.866	36.00K
2prf	2048	2	4	s	12028.526	0.556	0.808	0.864	0.193	0.000	0.138	0.000	1.327	1.470	0.906	0.750	153.120	4.00K
2prf	2048	8	4	s	20682.407	0.566	0.816	0.877	0.193	0.000	0.138	0.000	2.644	3.357	2.100	1.888	254.997	16.00K
2prf	2048	16	4	s	32220.916	0.579	0.827	0.895	0.193	0.000	0.138	0.000	4.399	5.874	3.693	3.358	390.833	32.00K
2prf	2048	24	4	s	43725.945	0.591	0.837	0.913	0.193	0.000	0.138	0.000	6.144	8.335	5.285	4.847	526.669	48.00K
2prf	2048	32	4	s	55297.934	0.604	0.849	0.932	0.193	0.000	0.138	0.000	7.861	10.765	6.678	6.337	662.505	64.00K
2prf	2048	36	4	s	61067.168	0.610	0.856	0.941	0.193	0.000	0.138	0.000	8.712	11.975	7.674	7.082	730.423	72.00K
2prf	32	2	8	f	1751.395	0.339	0.603	0.638	0.193	0.000	0.138	0.000	1.043	0.947	0.185	0.178	26.437	0.06K
2prf	32	4	8	f	2428.935	0.347	0.603	0.639	0.193	0.000	0.138	0.000	1.505	1.394	0.227	0.207	31.642	0.12K
2prf	32	8	8	f	3784.013	0.364	0.603	0.639	0.193	0.000	0.138	0.000	2.431	2.289	0.312	0.264	42.054	0.25K
2prf	32	12	8	f	5139.091	0.382	0.603	0.639	0.193	0.000	0.138	0.000	3.458	3.150	0.397	0.322	52.466	0.38K
2prf	32	16	8	f	6494.170	0.400	0.603	0.640	0.193	0.000	0.138	0.000	4.553	3.967	0.482	0.379	62.877	0.50K
2prf	32	18	8	f	7171.709	0.409	0.603	0.641	0.193	0.000	0.138	0.000	5.107	4.370	0.525	0.408	68.083	0.56K
2prf	64	2	8	f	1930.761	0.343	0.604	0.642	0.193	0.000	0.138	0.000	1.032	0.956	0.193	0.185	27.616	0.12K
2prf	64	4	8	f	2677.689	0.351	0.604	0.642	0.193	0.000	0.138	0.000	1.476	1.409	0.241	0.219	33.250	0.25K
2prf	64	8	8	f	4171.545	0.368	0.604	0.643	0.193	0.000	0.138	0.000	2.364	2.315	0.337	0.288	44.518	0.50K
2prf	64	12	8	f	5665.401	0.386	0.604	0.642	0.193	0.000	0.138	0.000	3.348	3.187	0.433	0.357	55.785	0.75K
2prf	64	16	8	f	7159.257	0.404	0.604	0.642	0.193	0.000	0.138	0.000	4.395	4.008	0.529	0.425	67.053	1.00K
2prf	64	18	8	f	7906.185	0.413	0.604	0.642	0.193	0.000	0.138	0.000	4.924	4.412	0.577	0.459	72.687	1.12K
2prf	128	2	8	f	2116.579	0.354	0.607	0.652	0.193	0.000	0.138	0.000	1.024	0.974	0.210	0.200	29.976	0.25K
2prf	128	4	8	f	2935.391	0.363	0.607	0.652	0.193	0.000	0.138	0.000	1.450	1.437	0.269	0.245	36.466	0.50K
2prf	128	8	8	f	4573.017	0.379	0.606	0.653	0.193	0.000	0.138	0.000	2.303	2.362	0.387	0.336	49.445	1.00K
2prf	128	12	8	f	6210.643	0.397	0.607	0.653	0.193	0.000	0.138	0.000	3.247	3.253	0.505	0.426	62.425	1.50K
2prf	128	16	8	f	7848.268	0.415	0.607	0.654	0.193	0.000	0.138	0.000	4.232	4.098	0.623	0.517	75.404	2.00K
2prf	128	18	8	f	8667.081	0.425	0.607	0.655	0.193	0.000	0.138	0.000	4.727	4.516	0.682	0.562	81.894	2.25K
2prf	256	2	8	f	2670.483	0.357	0.612	0.652	0.193	0.000	0.138	0.000	1.025	1.009	0.252	0.232	36.171	0.50K
2prf	256	4	8	f	3703.577	0.366	0.612	0.652	0.193	0.000	0.138	0.000	1.436	1.491	0.340	0.301	45.498	1.00K
2prf	256	8	8	f	5769.766	0.382	0.612	0.653	0.193	0.000	0.138	0.000	2.258	2.454	0.517	0.439	64.153	2.00K
2prf	256	12	8	f	7835.955	0.400	0.612	0.653	0.193	0.000	0.138	0.000	3.163	3.380	0.693	0.577	82.808	3.00K
2prf	256	16	8	f	9902.144	0.419	0.612	0.655	0.193	0.000	0.138	0.000	4.108	4.260	0.869	0.715	101.463	4.00K
2prf	256	18	8	f	10935.523	0.428	0.612	0.657	0.193	0.000	0.138	0.000	4.582	4.693	0.957	0.784	110.791	4.50K
2prf	512	2	8	f	3778.291	0.364	0.624	0.652	0.193	0.000	0.138	0.000</						

type	word	io	mux	seg	drawing dimension area (um^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc (uA/MHz)	writec (uA/MHz)	leakage (uA)	Leakage_pd (uA)	Leakage_ffg (uA)	Total KBits
2prf	256	18	8	m	10188.873	0.447	0.612	0.691	0.193	0.000	0.138	0.000	4.381	4.713	0.892	0.768	100.308	4.50K
2prf	512	2	8	m	3413.753	0.381	0.623	0.674	0.193	0.000	0.138	0.000	1.056	1.086	0.318	0.290	45.609	1.00K
2prf	512	4	8	m	4734.387	0.390	0.623	0.677	0.193	0.000	0.138	0.000	1.459	1.605	0.451	0.403	58.360	2.00K
2prf	512	8	8	m	7375.654	0.406	0.623	0.683	0.193	0.000	0.138	0.000	2.262	2.643	0.715	0.629	83.863	4.00K
2prf	512	12	8	m	10016.921	0.424	0.623	0.689	0.193	0.000	0.138	0.000	3.114	3.637	0.980	0.856	109.365	6.00K
2prf	512	16	8	m	12658.188	0.443	0.623	0.703	0.193	0.000	0.138	0.000	3.983	4.575	1.245	1.082	134.868	8.00K
2prf	512	18	8	m	13978.822	0.452	0.623	0.711	0.193	0.000	0.138	0.000	4.418	5.038	1.377	1.195	147.619	9.00K
2prf	1024	2	8	m	5264.832	0.392	0.644	0.678	0.193	0.000	0.138	0.000	1.111	1.193	0.469	0.413	67.437	2.00K
2prf	1024	4	8	m	7301.568	0.400	0.645	0.687	0.193	0.000	0.138	0.000	1.529	1.779	0.704	0.617	89.288	4.00K
2prf	1024	8	8	m	11375.040	0.417	0.645	0.704	0.193	0.000	0.138	0.000	2.366	2.950	1.173	1.026	132.989	8.00K
2prf	1024	12	8	m	15448.512	0.435	0.645	0.722	0.193	0.000	0.138	0.000	3.212	4.081	1.643	1.435	176.690	12.00K
2prf	1024	16	8	m	19521.984	0.453	0.645	0.741	0.193	0.000	0.138	0.000	4.065	5.157	2.112	1.844	220.391	16.00K
2prf	1024	18	8	m	21558.720	0.463	0.645	0.751	0.193	0.000	0.138	0.000	4.492	5.687	2.346	2.049	242.241	18.00K
2prf	2048	2	8	m	8966.990	0.410	0.687	0.711	0.193	0.000	0.138	0.000	1.303	1.401	0.772	0.658	111.093	4.00K
2prf	2048	4	8	m	12435.930	0.418	0.687	0.716	0.193	0.000	0.138	0.000	1.849	2.109	1.211	1.045	151.142	8.00K
2prf	2048	8	8	m	19373.812	0.435	0.687	0.724	0.193	0.000	0.138	0.000	2.942	3.526	2.089	1.820	231.240	16.00K
2prf	2048	12	8	m	26311.694	0.453	0.687	0.734	0.193	0.000	0.138	0.000	4.033	4.903	2.967	2.595	311.338	24.00K
2prf	2048	16	8	m	33249.975	0.471	0.687	0.748	0.193	0.000	0.138	0.000	5.125	6.230	3.846	3.369	391.436	32.00K
2prf	2048	18	8	m	36718.516	0.481	0.687	0.765	0.193	0.000	0.138	0.000	5.672	6.887	4.285	3.757	431.485	36.00K
2prf	288	2	8	s	2581.123	0.381	0.613	0.681	0.193	0.000	0.138	0.000	1.035	1.042	0.251	0.236	35.875	0.56K
2prf	288	4	8	s	3579.647	0.389	0.613	0.682	0.193	0.000	0.138	0.000	1.428	1.533	0.338	0.309	44.505	1.12K
2prf	288	8	8	s	5576.697	0.406	0.614	0.685	0.193	0.000	0.138	0.000	2.213	2.515	0.511	0.455	61.764	2.25K
2prf	288	12	8	s	7573.747	0.424	0.614	0.687	0.193	0.000	0.138	0.000	3.063	3.451	0.685	0.601	79.023	3.38K
2prf	288	16	8	s	9570.796	0.442	0.613	0.699	0.193	0.000	0.138	0.000	3.936	4.333	0.858	0.746	96.282	4.50K
2prf	288	18	8	s	10569.321	0.452	0.613	0.706	0.193	0.000	0.138	0.000	4.373	4.768	0.945	0.819	104.912	5.06K
2prf	512	2	8	s	3231.484	0.417	0.623	0.744	0.193	0.000	0.138	0.000	1.061	1.108	0.309	0.286	44.133	1.00K
2prf	512	4	8	s	4481.606	0.425	0.623	0.753	0.193	0.000	0.138	0.000	1.451	1.637	0.434	0.398	55.759	2.00K
2prf	512	8	8	s	6981.849	0.442	0.623	0.770	0.193	0.000	0.138	0.000	2.229	2.695	0.685	0.621	79.010	4.00K
2prf	512	12	8	s	9482.092	0.460	0.623	0.789	0.193	0.000	0.138	0.000	3.052	3.710	0.936	0.844	102.260	6.00K
2prf	512	16	8	s	11982.335	0.479	0.623	0.808	0.193	0.000	0.138	0.000	3.898	4.675	1.187	1.068	125.511	8.00K
2prf	512	18	8	s	13232.457	0.488	0.623	0.817	0.193	0.000	0.138	0.000	4.322	5.151	1.312	1.179	137.136	9.00K
2prf	1024	2	8	s	4900.294	0.433	0.644	0.793	0.193	0.000	0.138	0.000	1.165	1.211	0.451	0.405	64.486	2.00K
2prf	1024	4	8	s	6796.006	0.441	0.644	0.792	0.193	0.000	0.138	0.000	1.623	1.801	0.671	0.607	84.085	4.00K
2prf	1024	8	8	s	10587.430	0.456	0.644	0.809	0.193	0.000	0.138	0.000	2.358	2.980	1.113	1.010	123.282	8.00K
2prf	1024	12	8	s	14378.654	0.472	0.645	0.827	0.193	0.000	0.138	0.000	3.484	4.119	1.555	1.413	162.479	12.00K
2prf	1024	16	8	s	18170.278	0.489	0.645	0.847	0.193	0.000	0.138	0.000	4.443	5.205	1.996	1.816	201.677	16.00K
2prf	1024	18	8	s	20665.990	0.497	0.645	0.856	0.193	0.000	0.138	0.000	4.923	5.741	2.217	2.018	221.275	18.00K
2prf	2048	2	8	s	8237.914	0.465	0.686	0.861	0.193	0.000	0.138	0.000	1.374	1.417	0.734	0.643	105.190	4.00K
2prf	2048	4	8	s	11244.806	0.471	0.686	0.870	0.193	0.000	0.138	0.000	1.968	2.128	1.145	1.025	140.736	8.00K
2prf	2048	8	8	s	17798.592	0.483	0.687	0.887	0.193	0.000	0.138	0.000	3.157	3.550	1.969	1.787	211.827	16.00K
2prf	2048	12	8	s	24172.378	0.495	0.687	0.905	0.193	0.000	0.138	0.000	4.348	4.935	2.550	2.250	282.918	24.00K
2prf	2048	16	8	s	30546.163	0.509	0.687	0.924	0.193	0.000	0.138	0.000	5.533	6.264	3.615	3.313	354.008	32.00K
2prf	2048	18	8	s	33733.056	0.515	0.687	0.934	0.193	0.000	0.138	0.000	6.125	6.921	4.026	3.695	389.554	36.00K
2prf	4096	2	8	f	14913.153	0.575	0.789	0.870	0.193	0.000	0.138	0.000	1.761	1.836	1.301	1.119	186.600	8.00K
2prf	4096	4	8	f	20682.407	0.581	0.795	0.879	0.193	0.000	0.138	0.000	2.603	2.788	2.094	1.860	254.039	16.00K
2prf	4096	8	8	f	32220.916	0.594	0.807	0.896	0.193	0.000	0.138	0.000	4.288	4.692	3.680	3.343	388.916	32.00K
2prf	4096	12	8	f	43759.425	0.607	0.819	0.914	0.193	0.000	0.138	0.000	5.968	6.555	5.266	4.825	523.794	48.00K
2prf	4096	16	8	f	55297.934	0.619	0.833	0.932	0.193	0.000	0.138	0.000	7.630	8.367	6.852	6.307	658.672	64.00K
2prf	4096	18	8	f	61067.188	0.626	0.841	0.941	0.193	0.000	0.138	0.000	8.459	9.267	7.645	7.048	726.111	72.00K
2prf	64	2	16	f	2428.935	0.383	0.604	0.639	0.193	0.000	0.138	0.000	1.492	1.394	0.223	0.202	31.117	0.12K
2prf	64	4	16	f	3784.013	0.395	0.604	0.638	0.193	0.000	0.138	0.000	2.320	2.262	0.304	0.255	41.003	0.25K
2prf	64	6	16	f	5139.091	0.412	0.604	0.638	0.193	0.000	0.138	0.000	3.302	3.099	0.385	0.308	50.888	0.38K
2prf	64	8	16	f	6494.170	0.430	0.604	0.639	0.193	0.000	0.138	0.000	4.352	4.386	0.465	0.360	60.774	0.50K
2prf	64	9	16	f	7171.709	0.439	0.604	0.639	0.193	0.000	0.138	0.000	4.877	4.280	0.506	0.387	65.717	0.56K
2prf	128	2	16	f	2677.689	0.387	0.605	0.642	0.193	0.000	0.138	0.000	1.467	1.405	0.237	0.215	32.724	0.25K
2prf	128	4	16	f	4171.545	0.399	0.605	0.642	0.193	0.000	0.138	0.000	2.256	2.281	0.329	0.279	43.466	0.50K
2prf	128	6	16	f	5665.401	0.416	0.605	0.642	0.193	0.000	0.138	0.000	3.192	3.125	0.421	0.342	54.208	0.75K
2prf	128	8	16	f	7159.257	0.434	0.605	0.642	0.193</td									

type	word	io	mux	seg	drawing dimension area (μm^2)	access_time (ns)	wcycle_time (ns)	rcycle_time (ns)	adr_setup (ns)	adr_hold (ns)	data_setup (ns)	data_hold (ns)	readc ($\mu\text{A}/\text{MHz}$)	writec ($\mu\text{A}/\text{MHz}$)	leakage (μA)	Leakage_pd (μA)	Leakage_ffg (μA)	Total KBits
2prf	320	4	16	m	4773.753	0.415	0.609	0.657	0.193	0.000	0.138	0.000	2.173	2.341	0.403	0.350	50.857	1.25K
2prf	320	6	16	m	6483.263	0.433	0.610	0.657	0.193	0.000	0.138	0.000	3.045	3.204	0.528	0.447	64.167	1.88K
2prf	320	8	16	m	8192.774	0.451	0.609	0.661	0.193	0.000	0.138	0.000	3.959	4.013	0.653	0.544	77.477	2.50K
2prf	320	9	16	m	9047.529	0.460	0.609	0.662	0.193	0.000	0.138	0.000	4.417	4.418	0.716	0.593	84.131	2.81K
2prf	512	2	16	m	3450.796	0.420	0.614	0.672	0.193	0.000	0.138	0.000	1.421	1.501	0.320	0.291	42.371	1.00K
2prf	512	4	16	m	5375.961	0.432	0.613	0.672	0.193	0.000	0.138	0.000	2.105	2.418	0.478	0.421	58.248	2.00K
2prf	512	6	16	m	7301.126	0.449	0.614	0.672	0.193	0.000	0.138	0.000	2.906	3.294	0.636	0.552	74.126	3.00K
2prf	512	8	16	m	9226.291	0.467	0.613	0.685	0.193	0.000	0.138	0.000	3.737	4.108	0.794	0.682	90.003	4.00K
2prf	512	9	16	m	10188.873	0.476	0.613	0.691	0.193	0.000	0.138	0.000	4.152	4.515	0.873	0.747	97.942	4.50K
2prf	1024	2	16	m	4734.387	0.425	0.624	0.678	0.193	0.000	0.138	0.000	1.450	1.569	0.446	0.398	57.835	2.00K
2prf	1024	4	16	m	7375.654	0.437	0.624	0.683	0.193	0.000	0.138	0.000	2.158	2.534	0.707	0.620	82.811	4.00K
2prf	1024	6	16	m	10016.921	0.455	0.625	0.689	0.193	0.000	0.138	0.000	2.963	3.462	0.967	0.841	107.788	6.00K
2prf	1024	8	16	m	12658.188	0.473	0.624	0.704	0.193	0.000	0.138	0.000	3.787	4.329	1.228	1.063	132.765	8.00K
2prf	1024	9	16	m	13978.822	0.481	0.624	0.711	0.193	0.000	0.138	0.000	4.199	4.763	1.358	1.174	145.253	9.00K
2prf	2048	2	16	m	7301.568	0.436	0.645	0.691	0.193	0.000	0.138	0.000	1.508	1.705	0.700	0.612	88.762	4.00K
2prf	2048	4	16	m	11375.040	0.448	0.646	0.704	0.193	0.000	0.138	0.000	2.265	2.767	1.165	1.017	131.937	8.00K
2prf	2048	6	16	m	15448.512	0.465	0.646	0.722	0.193	0.000	0.138	0.000	3.078	3.798	1.630	1.421	175.112	12.00K
2prf	2048	8	16	m	19521.984	0.483	0.646	0.741	0.193	0.000	0.138	0.000	3.888	4.771	2.095	1.826	218.287	16.00K
2prf	2048	9	16	m	21558.720	0.492	0.646	0.751	0.193	0.000	0.138	0.000	4.293	5.258	2.327	2.028	239.875	18.00K
2prf	4096	2	16	m	12435.930	0.454	0.687	0.718	0.193	0.000	0.138	0.000	1.826	1.955	1.206	1.041	150.617	8.00K
2prf	4096	4	16	m	19373.830	0.466	0.687	0.719	0.193	0.000	0.138	0.000	2.841	3.189	2.081	1.811	230.189	16.00K
2prf	4096	6	16	m	26311.694	0.484	0.687	0.729	0.193	0.000	0.138	0.000	3.902	4.394	2.955	2.581	309.761	24.00K
2prf	4096	8	16	m	33249.575	0.502	0.687	0.747	0.193	0.000	0.138	0.000	4.953	5.538	3.829	3.351	389.333	32.00K
2prf	4096	9	16	m	36718.516	0.511	0.687	0.756	0.193	0.000	0.138	0.000	5.479	6.111	4.266	3.736	429.119	36.00K
2prf	576	2	16	s	3579.647	0.425	0.615	0.682	0.193	0.000	0.138	0.000	1.423	1.512	0.334	0.304	43.979	1.12K
2prf	576	4	16	s	5576.697	0.437	0.615	0.684	0.193	0.000	0.138	0.000	2.106	2.436	0.503	0.445	60.712	2.25K
2prf	576	6	16	s	7573.747	0.454	0.615	0.687	0.193	0.000	0.138	0.000	2.905	3.221	0.672	0.586	77.445	3.38K
2prf	576	8	16	s	9570.796	0.472	0.615	0.700	0.193	0.000	0.138	0.000	3.733	4.144	0.841	0.728	94.179	4.50K
2prf	576	9	16	s	10569.321	0.481	0.615	0.707	0.193	0.000	0.138	0.000	4.146	4.555	0.926	0.798	102.545	5.08K
2prf	1024	2	16	s	4481.606	0.460	0.624	0.756	0.193	0.000	0.138	0.000	1.590	1.890	0.430	0.383	55.233	2.00K
2prf	1024	4	16	s	6391.849	0.473	0.624	0.771	0.193	0.000	0.138	0.000	2.118	2.567	0.677	0.612	77.958	4.00K
2prf	1024	6	16	s	9482.092	0.490	0.625	0.788	0.193	0.000	0.138	0.000	2.897	3.509	0.923	0.830	100.683	6.00K
2prf	1024	8	16	s	11982.335	0.508	0.625	0.808	0.193	0.000	0.138	0.000	3.702	4.394	1.170	1.049	123.408	8.00K
2prf	1024	9	16	s	13232.457	0.517	0.625	0.817	0.193	0.000	0.138	0.000	4.105	4.836	1.293	1.158	134.770	9.00K
2prf	2048	2	16	s	6796.006	0.473	0.645	0.795	0.193	0.000	0.138	0.000	1.606	1.718	0.667	0.602	83.559	4.00K
2prf	2048	4	16	s	10587.430	0.484	0.645	0.810	0.193	0.000	0.138	0.000	2.434	2.781	1.105	1.000	122.230	8.00K
2prf	2048	6	16	s	14378.854	0.500	0.646	0.827	0.193	0.000	0.138	0.000	3.338	3.811	1.542	1.399	160.902	12.00K
2prf	2048	8	16	s	18170.278	0.518	0.646	0.846	0.193	0.000	0.138	0.000	4.259	4.784	1.979	1.797	199.574	16.00K
2prf	2048	9	16	s	20065.990	0.526	0.646	0.856	0.193	0.000	0.138	0.000	4.719	5.270	2.198	1.997	218.909	18.00K
2prf	4096	2	16	s	11424.806	0.497	0.687	0.872	0.193	0.000	0.138	0.000	1.945	1.972	1.141	1.020	140.210	8.00K
2prf	4096	4	16	s	17798.592	0.508	0.687	0.887	0.193	0.000	0.138	0.000	3.064	3.208	1.960	1.778	210.775	16.00K
2prf	4096	6	16	s	24172.378	0.521	0.687	0.904	0.193	0.000	0.138	0.000	4.221	4.416	2.779	2.536	281.340	24.00K
2prf	4096	8	16	s	30546.163	0.537	0.687	0.924	0.193	0.000	0.138	0.000	5.371	5.564	3.598	3.294	351.905	32.00K
2prf	4096	9	16	s	33733.056	0.545	0.687	0.934	0.193	0.000	0.138	0.000	5.946	6.138	4.007	3.674	387.188	36.00K
2prf	8192	2	16	s	20682.407	0.609	0.789	0.881	0.193	0.000	0.138	0.000	2.559	2.474	2.089	1.856	253.513	16.00K
2prf	8192	4	16	s	32220.916	0.620	0.797	0.895	0.193	0.000	0.138	0.000	4.157	4.045	3.671	3.333	387.865	32.00K
2prf	8192	6	16	s	43759.425	0.633	0.807	0.913	0.193	0.000	0.138	0.000	5.801	5.575	5.253	4.811	522.217	48.00K
2prf	8192	8	16	s	55297.934	0.646	0.819	0.932	0.193	0.000	0.138	0.000	7.424	7.055	6.835	6.288	656.569	64.00K
2prf	8192	9	16	s	61067.188	0.653	0.825	0.941	0.193	0.000	0.138	0.000	8.235	7.796	7.625	7.027	723.745	72.00K