HAX1(data type: typ)

Function
YC=(A&B)
YS=(A^B)

Static Power:

When	Static Power [nW]
-	0.266

Port:

Name	Direction
A	INPUT
B	INPUT
YC	OUTPUT
YS	OUTPUT

Name	Pin Capacitance [pF]	
	Rise	Fall
A	0.0471	0.0474
B	0.0378	0.0376

Output Driving Strength

Name	Rise		Fall	
	Strength (sec/F)	Limit (pF)	Strength (sec/F)	Limit (pF)
YC	1.8e+03	0.412	2.21e+03	0.412
YS	1.8e+03	0.413	2.21e+03	0.413

Link To Path

PATH	WHEN
(01A=>01YS)	**-**
(01A=>10YS)	**-**

(10A=>01YS)	-
(10A=>10YS)	-
(01A=>01YC)	-
(10A=>10YC)	-
(01B=>01YS)	-
(01B=>10YS)	-
(10B=>01YS)	-
(10B=>10YS)	-
(01B=>01YC)	-
(10B=>10YC)	-

(01A=>01YS)

DELAY [ns]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	0.185	0.234	0.325	0.685	1.23
0.18	0.208	0.255	0.349	0.708	1.25
0.42	0.246	0.294	0.386	0.746	1.29
0.6	0.269	0.32	0.412	0.773	1.31
1.2	0.331	0.383	0.478	0.843	1.38

POWER [pJ]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	-0.168	-0.165	-0.162	-0.16	-0.159
0.18	-0.0713	-0.0752	-0.0657	-0.0675	-0.0681
0.42	0.29	0.28	0.271	0.263	0.261
0.6	0.594	0.576	0.561	0.546	0.543
1.2	1.67	1.64	1.6	1.56	1.54

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(01A=>10YS)

DELAY [ns]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	0.315	0.372	0.482	0.925	1.59
0.18	0.31	0.367	0.478	0.92	1.58
0.42	0.315	0.37	0.48	0.923	1.59
0.6	0.311	0.367	0.477	0.918	1.58
1.2	0.273	0.328	0.437	0.879	1.54

POWER [pJ]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	0.439	0.436	0.436	0.439	0.439
0.18	0.453	0.441	0.442	0.442	0.442
0.42	0.615	0.603	0.598	0.596	0.594
0.6	0.754	0.743	0.734	0.726	0.723
1.2	1.26	1.24	1.22	1.2	1.19

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(10A=>01YS)

DELAY [ns]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	0.267	0.313	0.408	0.767	1.31
0.18	0.304	0.352	0.443	0.803	1.34
0.42	0.386	0.434	0.524	0.886	1.43
0.6	0.443	0.491	0.582	0.943	1.48
1.2	0.615	0.662	0.753	1.11	1.65

POWER [pJ]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	1.08	1.08	1.08	1.08	1.08
0.18	1.13	1.13	1.13	1.13	1.12
0.42	1.31	1.3	1.3	1.29	1.29
0.6	1.46	1.45	1.45	1.44	1.43
1.2	2	1.98	1.95	1.93	1.93

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(10A=>10YS)

DELAY [ns]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	0.19	0.249	0.362	0.804	1.47
0.18	0.203	0.263	0.375	0.82	1.48
0.42	0.233	0.295	0.407	0.85	1.51
0.6	0.249	0.314	0.429	0.871	1.53
1.2	0.288	0.358	0.481	0.934	1.6

POWER [pJ]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	1.54	1.55	1.55	1.56	1.56
0.18	1.62	1.63	1.64	1.64	1.64
0.42	2	2	1.99	1.99	1.99
0.6	2.3	2.3	2.29	2.29	2.28
1.2	3.4	3.37	3.34	3.32	3.31

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(01A=>01YC)

DELAY [ns]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	0.177	0.227	0.32	0.683	1.22
0.18	0.176	0.226	0.321	0.683	1.22
0.42	0.177	0.229	0.324	0.686	1.23
0.6	0.168	0.222	0.318	0.681	1.22
1.2	0.117	0.175	0.277	0.65	1.19

POWER [pJ]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	0.439	0.436	0.436	0.439	0.439
0.18	0.453	0.441	0.442	0.442	0.442
0.42	0.615	0.603	0.598	0.596	0.594
0.6	0.754	0.743	0.734	0.726	0.723
1.2	1.26	1.24	1.22	1.2	1.19

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(10A=>10YC)

DELAY [ns]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	0.234	0.296	0.41	0.852	1.51
0.18	0.273	0.334	0.447	0.89	1.55
0.42	0.361	0.423	0.535	0.976	1.64
0.6	0.421	0.484	0.596	1.04	1.7
1.2	0.606	0.671	0.784	1.22	1.88

POWER [pJ]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	1.08	1.08	1.08	1.08	1.08
0.18	1.13	1.13	1.13	1.13	1.12
0.42	1.31	1.3	1.3	1.29	1.29
0.6	1.46	1.45	1.45	1.44	1.43
1.2	2	1.98	1.95	1.93	1.93

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(01B=>01YS)

DELAY [ns]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	0.154	0.202	0.293	0.653	1.19
0.18	0.167	0.216	0.312	0.671	1.21
0.42	0.185	0.235	0.329	0.69	1.23
0.6	0.192	0.243	0.34	0.703	1.24
1.2	0.203	0.256	0.355	0.727	1.27

POWER [pJ]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	-0.194	-0.186	-0.18	-0.173	-0.172
0.18	-0.0918	-0.089	-0.0737	-0.0711	-0.0699
0.42	0.233	0.232	0.234	0.232	0.233
0.6	0.506	0.497	0.488	0.487	0.487
1.2	1.44	1.42	1.39	1.37	1.37

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(01B=>10YS)

DELAY [ns]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	0.315	0.37	0.483	0.924	1.59
0.18	0.326	0.382	0.493	0.936	1.6
0.42	0.344	0.398	0.51	0.952	1.61
0.6	0.353	0.408	0.517	0.959	1.62
1.2	0.36	0.415	0.527	0.967	1.63

POWER [pJ]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	0.619	0.62	0.622	0.623	0.624
0.18	0.646	0.646	0.644	0.647	0.647
0.42	0.774	0.769	0.76	0.757	0.757
0.6	0.898	0.889	0.88	0.874	0.872
1.2	1.38	1.36	1.34	1.33	1.32

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(10B=>01YS)

DELAY [ns]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	0.275	0.322	0.416	0.776	1.32
0.18	0.309	0.357	0.447	0.81	1.35
0.42	0.38	0.428	0.518	0.88	1.42
0.6	0.427	0.475	0.564	0.926	1.47
1.2	0.561	0.608	0.698	1.06	1.6

POWER [pJ]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	0.93	0.929	0.928	0.93	0.932
0.18	0.963	0.958	0.958	0.96	0.961
0.42	1.12	1.11	1.1	1.1	1.1
0.6	1.24	1.23	1.23	1.22	1.22
1.2	1.71	1.69	1.67	1.65	1.65

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(10B=>10YS)

DELAY [ns]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	0.181	0.24	0.353	0.795	1.46
0.18	0.209	0.268	0.379	0.822	1.48
0.42	0.254	0.315	0.432	0.874	1.54
0.6	0.286	0.347	0.463	0.906	1.57
1.2	0.372	0.437	0.557	1.01	1.67

POWER [pJ]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	1.21	1.22	1.22	1.23	1.23
0.18	1.32	1.32	1.32	1.33	1.33
0.42	1.66	1.65	1.66	1.66	1.66
0.6	1.91	1.93	1.92	1.92	1.92
1.2	2.87	2.84	2.83	2.81	2.81

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(01B=>01YC)

DELAY [ns]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	0.175	0.226	0.32	0.682	1.22
0.18	0.191	0.243	0.336	0.697	1.24
0.42	0.206	0.259	0.354	0.716	1.26
0.6	0.211	0.265	0.361	0.724	1.26
1.2	0.207	0.261	0.362	0.729	1.27

POWER [pJ]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	0.619	0.62	0.622	0.623	0.624
0.18	0.646	0.646	0.644	0.647	0.647
0.42	0.774	0.769	0.76	0.757	0.757
0.6	0.898	0.889	0.88	0.874	0.872
1.2	1.38	1.36	1.34	1.33	1.32

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(10B=>10YC)

DELAY [ns]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	0.215	0.277	0.391	0.834	1.5
0.18	0.25	0.311	0.425	0.869	1.53
0.42	0.328	0.39	0.503	0.945	1.61
0.6	0.379	0.441	0.554	0.995	1.66
1.2	0.526	0.593	0.709	1.15	1.81

POWER [pJ]

cl[pF] / ts[ns]	0.025	0.05	0.1	0.3	0.6
0.06	0.93	0.929	0.928	0.93	0.932
0.18	0.963	0.958	0.958	0.96	0.961
0.42	1.12	1.11	1.1	1.1	1.1
0.6	1.24	1.23	1.23	1.22	1.22
1.2	1.71	1.69	1.67	1.65	1.65