

Table 1 shows results of simulations where the truth table for the corresponding BN was randomly filled in 1000 times. Each state transition diagram $\tilde{\Gamma}$ for the BN, associated with one of those truth tables, was checked for cycles, and the number of $\tilde{\Gamma}$'s with singleton attractors and no cycles was counted. The ratios of those numbers to the total number of BNs generated is tabulated next to the corresponding analytical ratio obtained from the formula $\frac{(N+1)^{N-1}}{N^N}$. There were no restrictions imposed on the connectivity, i.e. on the sizes of the predictor sets W of the network.

Genes	States	Analytical ratio	Simulation Ratio
1	2	.75	.75
2	4	.48	.5
3	8	.285	.28
4	16	.15	.14
5	32	.08	.097
6	64	.041	.035
7	128	.02	.023
8	256	.0105	.013
9	512	.00529	.0051
10	1024	.00265	.0023

Table 1: Comparison of Analytic and Simulation Results