Directed Eraphical Models Ancestral Sampling and Likelihood Calculation

$$(S, I, W, H) = \{(2, 1, 1, 1),$$

 $(2, 1, 1, 1)\}$

$$P(D) = \prod_{i=0}^{4} \rho(S = c^{i,i}) p(N = n^{i,i}) p(N = n^{i,i})$$