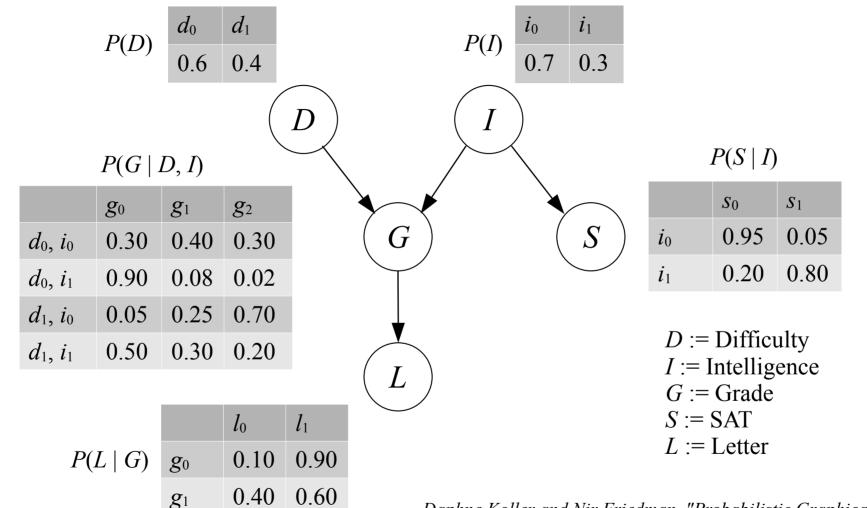
## Bayesian Network «Student»



0.99

 $g_2$ 

0.01

Daphne Koller and Nir Friedman, "Probabilistic Graphical Models: Principles and Techniques", MIT Press, 2009

## Factor Graph Representation

$$f_0(d) := P(d) \qquad f_1(i) := P(i)$$

$$f_2(d, i, g) \\ := P(g \mid d, i)$$

$$G \qquad S$$

$$f_3(i, s) := P(s \mid i)$$

$$L$$