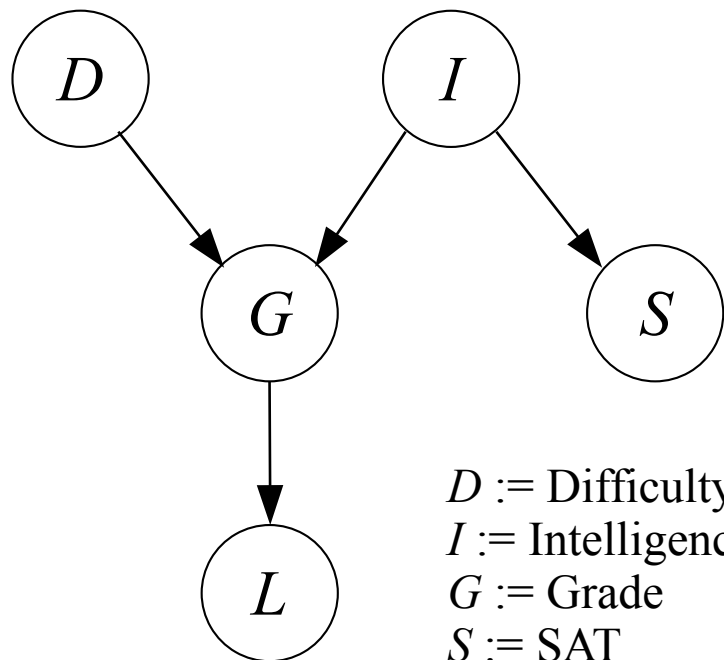


Bayesian Network "Student"



D := Difficulty
 I := Intelligence
 G := Grade
 S := SAT
 L := Letter

$$P(D)$$

d_0	d_1
0.6	0.4

$$P(I)$$

i_0	i_1
0.7	0.3

$$P(G \mid D, I)$$

	g_0	g_1	g_2
d_0, i_0	0.30	0.40	0.30
d_0, i_1	0.90	0.08	0.02
d_1, i_0	0.05	0.25	0.70
d_1, i_1	0.50	0.30	0.20

$$P(S \mid I)$$

	s_0	s_1
i_0	0.95	0.05
i_1	0.20	0.80

$$P(L \mid G)$$

	l_0	l_1
g_0	0.10	0.90
g_1	0.40	0.60
g_2	0.99	0.01

Factor Graph Representation

