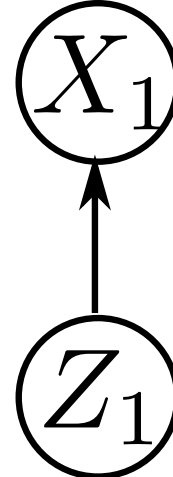
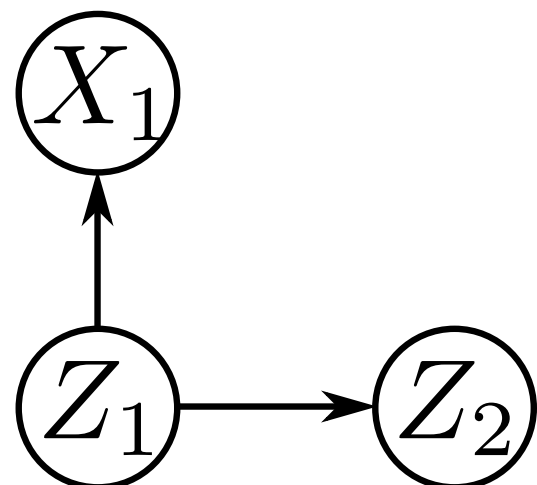


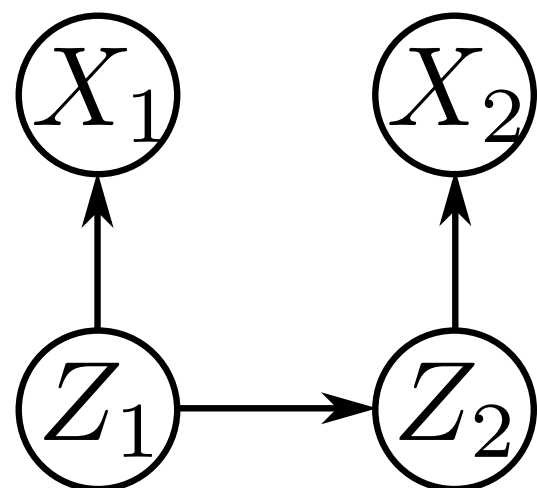
$$\alpha_1 = P(Z_1)P(X_1|Z_1)$$



$$\alpha_1 P(Z_2|Z_1)$$



$$\alpha_1 P(Z_2|Z_1)P(X_2|Z_2)$$



$$\alpha_2 = \sum_s [\alpha_1(s)P(Z_2|s)] P(X_2|Z_2)$$

