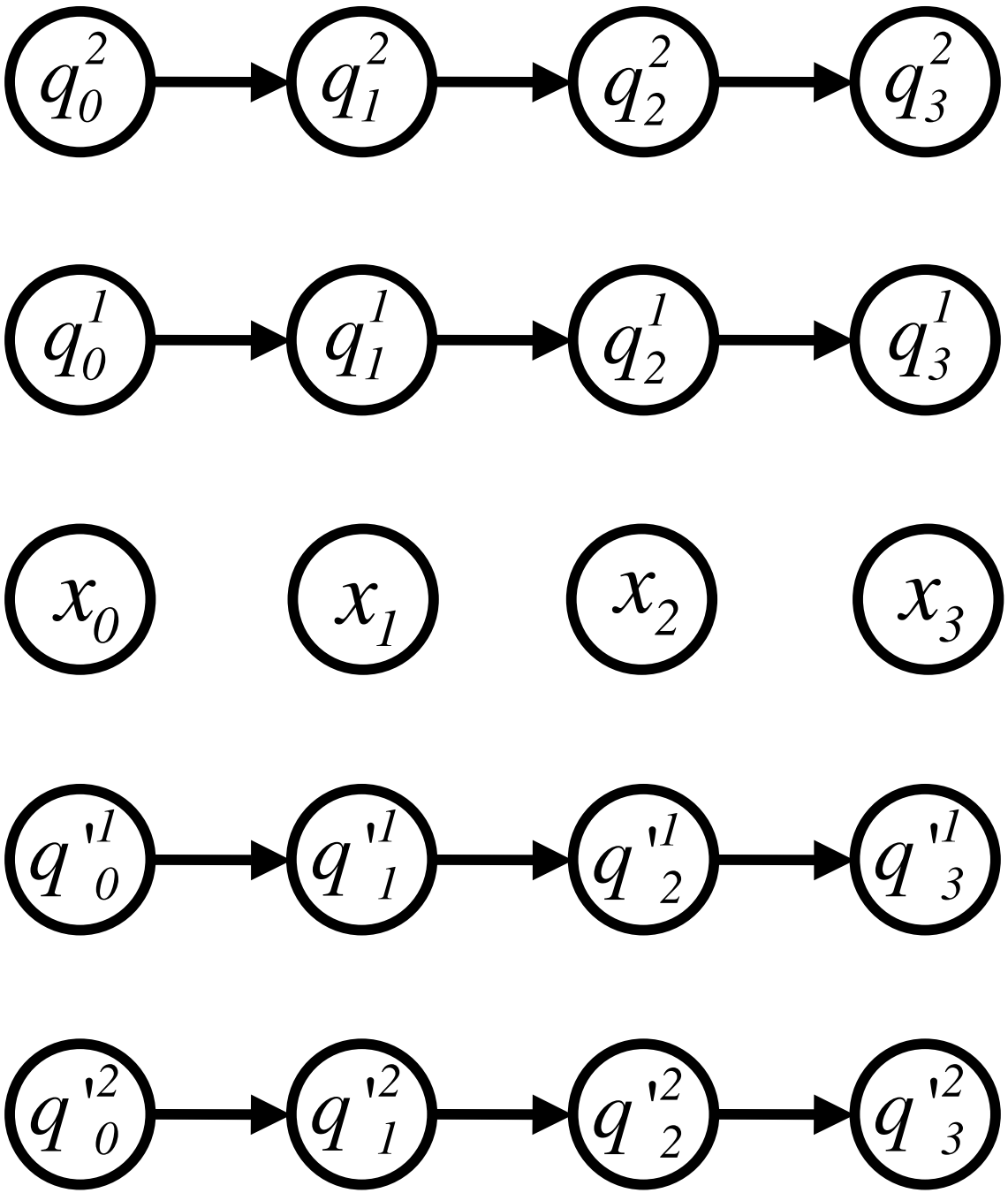
q_0^2 q_1^2 q_2^2 q_3^2
q_0^1 q_1^1 q_2^1 q_3^1
x_0 x_1 x_2 x_3
q'^1_0 q'^1_1 q'^1_2 q'^1_3
q'^2_0 q'^2_1 q'^2_2 q'^2_3