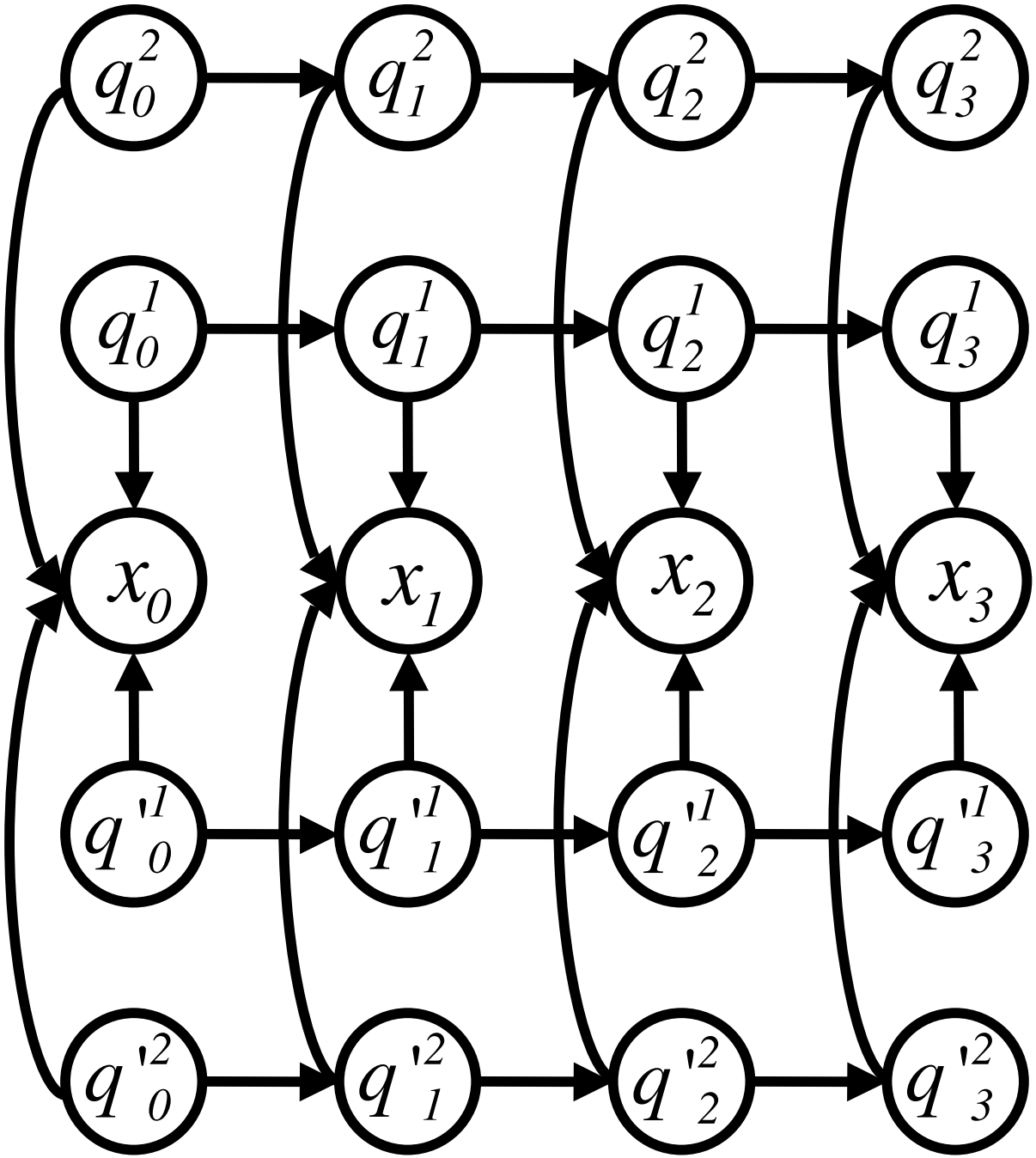
q_0^2
q_1^2
q_2^2
q_3^2
q_0^1
q_1^1
q_2^1
q_3^1
x_0
x_1
x_2
x_3
q'^1_0
q'^1_1
q'^1_2
q'^1_3
q'^2_0
q'^2_1
q'^2_2
q'^2_3