s_0^X	q_0	s_1^X	q_1	s_0^X	q_0	s_1^X	q_1
q_2	s_0^Z	q_3	s_1^Z	q_2	s_0^Z	q_3	s_1^Z
s_2^X	q_4	s_3^X	q_5	s_2^X	q_4	s_3^X	q_5
q_6	s_2^Z	q_7	s_3^Z	q_6	s_2^Z	q_7	s_3^Z