a_1	a_2	a_3	a_4	b_{12}	b_{13}	b_{14}	b_{23}	b_{24}	b_{34}
1	1	1	4	2	-2	-4	-2	-4	4

q_1	q_2	q_3	q_4	Objective	
0	0	0	0	0	x
0	0	0	1	4	x
0	0	1	0	1	
0	0	1	1	9	
0	1	0	0	1	
0	1	0	1	1	
0	1	1	0	0	x
0	1	1	1	4	x
1	0	0	0	1	
1	0	0	1	1	
1	0	1	0	0	x
1	0	1	1	4	x
1	1	0	0	4	x
1	1	0	1	0	x
1	1	1	0	1	
1	1	1	1	1	