

A			b
2	2	4	2
2	1	1	1
3	2	1	0
2	1	2	1
2	1	1	1
3	2	1	0
2	1	2	1
-2	-1	-3	-1
-3	-1	-5	-3
2	1	2	1
-2	-1	3	1
-3	-1	-5	-3
2	1	2	1
-2	-1	3	1
-5	-2	-2	-2
2	1	2	1
-2	-1	3	1
-5	-2	-2	1

$x_0 = 1 - 2x_2 - 1x_1$   
 $x_1 = 1 - 3x_2$   
 $x_2 = 1$