$$x_1 + x_2 + x_3 + x_4 + x_5 + x_6 + x_7 = 40.$$

$$x_1 + x_2 = 17$$

$$x_2 + x_3 = 7$$

$$x_1 + x_2 + x_3 + x_4 \quad + x_6 + x_7 = 30.$$

$$x_1 \qquad + x_3 \qquad + x_5 \qquad\qquad = 30$$

$$\qquad\qquad\qquad + x_5 + x_6 \qquad = 26$$

$$x_1$$

$$x_1 + x_2 \qquad\qquad\qquad + x_6 + x_7 = 22$$

	1	2	3	4	5	6	7	
1	1	1	1	1	1	1	1	40
2	1	1						17
3		1	1					7
4	1	1	1	1		1	1	30
5	1		1		1			30
6	1				1	1		26
7	1	1				1	1	22