

$$0,5x_1 + u_1 + u_2 - v_1 = 3$$

$$2x_2 + u_1 - v_2 = 4$$

$$\begin{aligned} u_1 y_1 &= 0 \\ u_2 y_2 &= 0 \\ x_1 v_1 &= 0 \\ x_2 v_2 &= 0 \end{aligned}$$

Hilfsf P

$x_1$	$x_2$	$y_1$	$y_2$	$u_1$	$u_2$	$v_1$	$v_2$	$w_1$	$w_2$			
1	1	1	0	0	0	0	0	0	0	35	10	
1	0	0	1	0	0	0	0	0	0	8	5	
1/2	0	0	0	1	1	-1	0	1	0	3	3	
0	2	0	0	1	0	0	-1	0	1	4	4	
0	0	0	0	0	0	0	0	-1	-1	0		
1/2	2	0	0	2	1	-1	-1	0	0	7		
1	0	1	0	-1/2	0	0	1/2	0	-1/2	33	8	
1	0	0	1	0	0	0	0	0	0	8	5	
1/2	0	0	0	1	1	-1	0	1	0	3	3	
0	1	0	0	1/2	0	0	-1/2	0	1/2	2	4	
1/2	0	0	0	1	1	-1	0	0	-1	3		
$y_1$		0	0	1	-1	-1/2	0	0	1/2	0	-1/2	3
$y_2$		1	0	0	1	0	0	0	0	0	0	5
$u_1$		0	0	0	-1/2	1	1	-1	0	1	0	1/2
$x_2$		0	1	0	0	1/2	0	0	-1/2	0	1/2	2
$z$		0	0	0	-1/2	1	1	-1	0	0	-1	1/2
		0	0	0	0	0	0	0	-1	-1	0	

$$x_1 = 5 \quad x_2 = 2 \quad y_1 = 3 \quad u_2 = 1/2$$

$$z = 2$$