

Phase I: $p = (1, 1, 1, 0, 0, 0, 0)$

y_1	y_2	y_3	x_1	x_2	x_3	x_4	
1	0	0	1	1	-1	2	0
0	1	0	1	-1	2	-1	6
0	0	1	2	3	3	-2	9
<hr/>							
0	0	0	-4	-3	-4	1	-15
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1	0	0	1	1	-1	2	0
-1	1	0	0	-2	3	-3	6
-2	0	1	0	1	5	-6	9
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4	0	0	0	1	-8	9	-15
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$\frac{3}{5}$	0	$\frac{1}{5}$	1	$\frac{6}{5}$	0	$\frac{4}{5}$	$\frac{9}{5}$
$\frac{1}{5}$	1	$-\frac{3}{5}$	0	$-\frac{13}{5}$	0	$\frac{3}{5}$	$\frac{3}{5}$
$-\frac{2}{5}$	0	$\frac{1}{5}$	0	$\frac{1}{5}$	1	$-\frac{6}{5}$	$\frac{9}{5}$
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$\frac{4}{5}$	0	$\frac{8}{5}$	0	$\frac{13}{5}$	0	$-\frac{3}{5}$	$-\frac{3}{5}$
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$\frac{1}{3}$	$-\frac{4}{3}$	1	1	$\frac{14}{3}$	0	0	1
$\frac{1}{3}$	$\frac{5}{3}$	-1	0	$-\frac{13}{3}$	0	1	1
0	2	-1	0	-5	1	0	3
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1	1	1	0	0	0	0	0
$\underbrace{\hspace{10em}}_{\geq 0}$							= 0

\Rightarrow Ende Phase I

Startwerte für Phase II: $x^1 = (1, 0, 3, 1)$

Phase II : $p = (-3, -1, 3, 1)$

$$\begin{array}{cccc|c} x_1 & x_2 & x_3 & x_4 & \\ \hline 1 & \frac{14}{3} & 0 & 0 & 1 \\ 0 & -\frac{13}{3} & 0 & 1 & 1 \\ 0 & -5 & 1 & 0 & 3 \\ \hline 0 & \frac{97}{3} & 0 & 0 & -7 \end{array}$$

$\underbrace{\hspace{10em}}_{\geq 0}$

$\Rightarrow x^1 = (1, 0, 3, 1)$ ist bereits
Lösungssuche und $f(x^1) = 7$.

$$\begin{aligned} \left(\frac{97}{3}\right) &= -1 - \left(\frac{14}{3}(-3)\right) + \left(-\frac{13}{3}\right) \cdot 1 + (-5) \cdot 3 \\ &= \overset{r_2}{\frac{100}{3}} - 1 = \overset{c_{12} \uparrow 1}{\frac{97}{3}} \quad \overset{c_{22} \uparrow 4}{\quad} \quad \overset{c_{32} \uparrow 3}{\quad} \end{aligned}$$