		x_1	x_2	x_3	x_4	x_5	x_6	x_7
x_8	3.0	$+3.000000x_1$	$+2.000000x_2$			$-1.000000x_5$		$+3.000000x_7$
x_9	5.0		$+2.000000x_2$	$-1.000000x_3$	$-1.000000x_4$	$+1.000000x_5$	$-2.000000x_6$	
x_{10}	1.0	$-1.000000x_1$	$-3.000000x_2$	$+3.000000x_3$	$-3.000000x_4$	$+1.000000x_5$	$+3.000000x_6$	$-3.000000x_7$
x_{11}	9.0		$-1.000000x_2$	$-3.000000x_3$	$-1.000000x_4$	$+3.000000x_5$	$-3.000000x_6$	$-1.000000x_7$
x_{12}	8.0	$+1.000000x_1$	$-2.000000x_2$	$-3.000000x_3$	$+2.000000x_4$	$-3.000000x_5$	$+1.000000x_6$	$+2.000000x_7$
x_{13}	4.0	$+3.000000x_1$	$+1.000000x_2$	$+1.000000x_3$	$+1.000000x_4$	$-2.000000x_5$	$+2.000000x_6$	$+3.000000x_7$
x_{14}	10.0	$-1.000000x_1$		$-2.000000x_3$	$+2.000000x_4$			$+2.000000x_7$
x_{15}	6.0	$+2.000000x_1$	$+1.000000x_2$	$+1.000000x_3$	$-2.000000x_4$		$-2.000000x_6$	$-3.000000x_7$
x_{16}	3.0	$+1.000000x_1$	$+2.000000x_2$	$-3.000000x_3$	$+1.000000x_4$		$-1.000000x_6$	$+3.000000x_7$
x_{17}	13.0	$-2.000000x_1$	$-1.000000x_2$	$-1.000000x_3$		$+3.000000x_5$	$-1.000000x_6$	
z	0.0	$-2.000000x_1$		$+1.000000x_3$	$+1.000000x_4$	$-2.000000x_5$	$-1.000000x_6$	

No initialization required –¿ Proceed to Optimize.

		x_1	x_2	x_3	x_4	x_5	x_6	x_7
x_8	3.0	$+3.000000x_1$	$+2.000000x_2$			$-1.000000x_5$		$+3.000000x_7$
x_9	5.0		$+2.000000x_2$	$-1.000000x_3$	$-1.000000x_4$	$+1.000000x_5$	$-2.000000x_6$	
x_{10}	1.0	$-1.000000x_1$	$-3.000000x_2$	$+3.000000x_3$	$-3.000000x_4$	$+1.000000x_5$	$+3.000000x_6$	$-3.000000x_7$
x_{11}	9.0		$-1.000000x_2$	$-3.000000x_3$	$-1.000000x_4$	$+3.000000x_5$	$-3.000000x_6$	$-1.000000x_7$
x_{12}	8.0	$+1.000000x_1$	$-2.000000x_2$	$-3.000000x_3$	$+2.000000x_4$	$-3.000000x_5$	$+1.000000x_6$	$+2.000000x_7$
x_{13}	4.0	$+3.000000x_1$	$+1.000000x_2$	$+1.000000x_3$	$+1.000000x_4$	$-2.000000x_5$	$+2.000000x_6$	$+3.000000x_7$
x_{14}	10.0	$-1.000000x_1$		$-2.000000x_3$	$+2.000000x_4$			$+2.000000x_7$
x_{15}	6.0	$+2.000000x_1$	$+1.000000x_2$	$+1.000000x_3$	$-2.000000x_4$		$-2.000000x_6$	$-3.000000x_7$
x_{16}	3.0	$+1.000000x_1$	$+2.000000x_2$	$-3.000000x_3$	$+1.000000x_4$		$-1.000000x_6$	$+3.000000x_7$
x_{17}	13.0	$-2.000000x_1$	$-1.000000x_2$	$-1.000000x_3$		$+3.000000x_5$	$-1.000000x_6$	
z	0.0	$-2.000000x_1$		$+1.000000x_3$	$+1.000000x_4$	$-2.000000x_5$	$-1.000000x_6$	

x_3 enters and x_{16} leaves

		x_1	x_2	x_{16}	x_4	x_5	x_6	x_7
x_8	3.0	$+3.000000x_1$	$+2.000000x_2$			$-1.000000x_5$		$+3.000000x_7$
x_9	4.0	$-0.333333x_1$	$+1.333333x_2$	$+0.333333x_{16}$	$-1.333333x_4$	$+1.000000x_5$	$-1.666667x_6$	$-1.000000x_7$
x_{10}	4.0		$-1.000000x_2$	$-1.000000x_{16}$	$-2.000000x_4$	$+1.000000x_5$	$+2.000000x_6$	
x_{11}	6.0	$-1.000000x_1$	$-3.000000x_2$	$+1.000000x_{16}$	$-2.000000x_4$	$+3.000000x_5$	$-2.000000x_6$	$-4.000000x_7$
x_{12}	5.0		$-4.000000x_2$	$+1.000000x_{16}$	$+1.000000x_4$	$-3.000000x_5$	$+2.000000x_6$	$-1.000000x_7$
x_{13}	5.0	$+3.333333x_1$	$+1.666667x_2$	$-0.333333x_{16}$	$+1.333333x_4$	$-2.000000x_5$	$+1.666667x_6$	$+4.000000x_7$
x_{14}	8.0	$-1.666667x_1$	$-1.333333x_2$	$+0.666667x_{16}$	$+1.333333x_4$		$+0.666667x_6$	
x_{15}	7.0	$+2.333333x_1$	$+1.666667x_2$	$-0.333333x_{16}$	$-1.666667x_4$		$-2.333333x_6$	$-2.000000x_7$
x_3	1.0	$+0.333333x_1$	$+0.666667x_2$	$-0.333333x_{16}$	$+0.333333x_4$		$-0.333333x_6$	$+1.000000x_7$
x_{17}	12.0	$-2.333333x_1$	$-1.666667x_2$	$+0.333333x_{16}$	$-0.333333x_4$	$+3.000000x_5$	$-0.666667x_6$	$-1.000000x_7$
z	1.0	$-1.666667x_1$	$+0.666667x_2$	$-0.333333x_{16}$	$+1.333333x_4$	$-2.000000x_5$	$-1.333333x_6$	$+1.000000x_7$

x_2 enters and x_{12} leaves

1

x_8	5.5	$+3.000000x_1 -0.500000x_{12} +0.500000x_{16} +0.500000x_4 -2.500000x_5 +1.000000x_6 +2.500000x_7$
x_9	5.66666666667	$-0.333333x_1 -0.333333x_{12} +0.666667x_{16} -1.000000x_4 \qquad\quad -1.000000x_6 -1.333333x_7$
x_{10}	2.75	$+0.250000x_{12} -1.250000x_{16} -2.250000x_4 +1.750000x_5 +1.500000x_6 +0.250000x_7$
x_{11}	2.25	$-1.000000x_1 +0.750000x_{12} +0.250000x_{16} -2.750000x_4 +5.250000x_5 -3.500000x_6 -3.250000x_7$
x_2	1.25	$-0.250000x_{12} +0.250000x_{16} +0.250000x_4 -0.750000x_5 +0.500000x_6 -0.250000x_7$
x_{13}	7.08333333333	$+3.333333x_1 -0.416667x_{12} +0.083333x_{16} +1.750000x_4 -3.250000x_5 +2.500000x_6 +3.583333x_7$
x_{14}	6.33333333333	$-1.666667x_1 +0.333333x_{12} +0.333333x_{16} +1.000000x_4 +1.000000x_5 \qquad\quad +0.333333x_7$
x_{15}	9.08333333333	$+2.333333x_1 -0.416667x_{12} +0.083333x_{16} -1.250000x_4 -1.250000x_5 -1.500000x_6 -2.416667x_7$
x_3	1.83333333333	$+0.333333x_1 -0.166667x_{12} -0.166667x_{16} +0.500000x_4 -0.500000x_5 \qquad\quad +0.833333x_7$
x_{17}	9.91666666667	$-2.333333x_1 +0.416667x_{12} -0.083333x_{16} -0.750000x_4 +4.250000x_5 -1.500000x_6 -0.583333x_7$
z	1.83333333333	$-1.666667x_1 -0.166667x_{12} -0.166667x_{16} +1.500000x_4 -2.500000x_5 -1.000000x_6 +0.833333x_7$

x_4 enters and x_{11} leaves

x_8	5.90909090909	$+2.818182x_1 -0.363636x_{12} +0.545455x_{16} -0.181818x_{11} -1.545455x_5 +0.363636x_6 +1.909091x_7$
x_9	4.84848484848	$+0.030303x_1 -0.606061x_{12} +0.575758x_{16} +0.363636x_{11} -1.909091x_5 +0.272727x_6 -0.151515x_7$
x_{10}	0.909090909091	$+0.818182x_1 -0.363636x_{12} -1.454545x_{16} +0.818182x_{11} -2.545455x_5 +4.363636x_6 +2.909091x_7$
x_4	0.818181818182	$-0.363636x_1 +0.272727x_{12} +0.090909x_{16} -0.363636x_{11} +1.909091x_5 -1.272727x_6 -1.181818x_7$
x_2	1.45454545455	$-0.090909x_1 -0.181818x_{12} +0.272727x_{16} -0.090909x_{11} -0.272727x_5 +0.181818x_6 -0.545455x_7$
x_{13}	8.51515151515	$+2.696970x_1 +0.060606x_{12} +0.242424x_{16} -0.636364x_{11} +0.090909x_5 +0.272727x_6 +1.515152x_7$
x_{14}	7.15151515152	$-2.030303x_1 +0.606061x_{12} +0.424242x_{16} -0.363636x_{11} +2.909091x_5 -1.272727x_6 -0.848485x_7$
x_{15}	8.06060606061	$+2.787879x_1 -0.757576x_{12} -0.030303x_{16} +0.454545x_{11} -3.636364x_5 +0.090909x_6 -0.939394x_7$
x_3	2.24242424242	$+0.151515x_1 -0.030303x_{12} -0.121212x_{16} -0.181818x_{11} +0.454545x_5 -0.636364x_6 +0.242424x_7$
x_{17}	9.30303030303	$-2.060606x_1 +0.212121x_{12} -0.151515x_{16} +0.272727x_{11} +2.818182x_5 -0.545455x_6 +0.303030x_7$
z	3.06060606061	$-2.212121x_1 +0.242424x_{12} -0.030303x_{16} -0.545455x_{11} +0.363636x_5 -2.909091x_6 -0.939394x_7$

x_5 enters and x_{10} leaves

x_8	5.35714285714	$+2.321429x_1 -0.142857x_{12} +1.428571x_{16} -0.678571x_{11} +0.607143x_{10} -2.285714x_6 +0.142857x_7$
x_9	4.16666666667	$-0.583333x_1 -0.333333x_{12} +1.666667x_{16} -0.250000x_{11} +0.750000x_{10} -3.000000x_6 -2.333333x_7$
x_5	0.357142857143	$+0.321429x_1 -0.142857x_{12} -0.571429x_{16} +0.321429x_{11} -0.392857x_{10} +1.714286x_6 +1.142857x_7$
x_4	1.5	$+0.250000x_1 +0.000000x_{12} -1.000000x_{16} +0.250000x_{11} -0.750000x_{10} +2.000000x_6 +1.000000x_7$
x_2	1.35714285714	$-0.178571x_1 -0.142857x_{12} +0.428571x_{16} -0.178571x_{11} +0.107143x_{10} -0.285714x_6 -0.857143x_7$
x_{13}	8.54761904762	$+2.726190x_1 +0.047619x_{12} +0.190476x_{16} -0.607143x_{11} -0.035714x_{10} +0.428571x_6 +1.619048x_7$
x_{14}	8.19047619048	$-1.095238x_1 +0.190476x_{12} -1.238095x_{16} +0.571429x_{11} -1.142857x_{10} +3.714286x_6 +2.476190x_7$
x_{15}	6.7619047619	$+1.619048x_1 -0.238095x_{12} +2.047619x_{16} -0.714286x_{11} +1.428571x_{10} -6.142857x_6 -5.095238x_7$
x_3	2.40476190476	$+0.297619x_1 -0.095238x_{12} -0.380952x_{16} -0.035714x_{11} -0.178571x_{10} +0.142857x_6 +0.761905x_7$
x_{17}	10.3095238095	$-1.154762x_1 -0.190476x_{12} -1.761905x_{16} +1.178571x_{11} -1.107143x_{10} +4.285714x_6 +3.523810x_7$
z	3.19047619048	$-2.095238x_1 +0.190476x_{12} -0.238095x_{16} -0.428571x_{11} -0.142857x_{10} -2.285714x_6 -0.523810x_7$

x_{12} enters and x_5 leaves

		x_1	x_5	x_{16}	x_{11}	x_{10}	x_6	x_7
x_8	5.0	$+2.000000x_1$	$+1.000000x_5$	$+2.000000x_{16}$	$-1.000000x_{11}$	$+1.000000x_{10}$	$-4.000000x_6$	$-1.000000x_7$
x_9	3.33333333333	$-1.333333x_1$	$+2.333333x_5$	$+3.000000x_{16}$	$-1.000000x_{11}$	$+1.666667x_{10}$	$-7.000000x_6$	$-5.000000x_7$
x_{12}	2.5	$+2.250000x_1$	$-7.000000x_5$	$-4.000000x_{16}$	$+2.250000x_{11}$	$-2.750000x_{10}$	$+12.000000x_6$	$+8.000000x_7$
x_4	1.5	$+0.250000x_1$	$-0.000000x_5$	$-1.000000x_{16}$	$+0.250000x_{11}$	$-0.750000x_{10}$	$+2.000000x_6$	$+1.000000x_7$
x_2	1.0	$-0.500000x_1$	$+1.000000x_5$	$+1.000000x_{16}$	$-0.500000x_{11}$	$+0.500000x_{10}$	$-2.000000x_6$	$-2.000000x_7$
x_{13}	8.66666666667	$+2.833333x_1$	$-0.333333x_5$	$-0.000000x_{16}$	$-0.500000x_{11}$	$-0.166667x_{10}$	$+1.000000x_6$	$+2.000000x_7$
x_{14}	8.66666666667	$-0.666667x_1$	$-1.333333x_5$	$-2.000000x_{16}$	$+1.000000x_{11}$	$-1.666667x_{10}$	$+6.000000x_6$	$+4.000000x_7$
x_{15}	6.16666666667	$+1.083333x_1$	$+1.666667x_5$	$+3.000000x_{16}$	$-1.250000x_{11}$	$+2.083333x_{10}$	$-9.000000x_6$	$-7.000000x_7$
x_3	2.16666666667	$+0.083333x_1$	$+0.666667x_5$	$+0.000000x_{16}$	$-0.250000x_{11}$	$+0.083333x_{10}$	$-1.000000x_6$	$-0.000000x_7$
x_{17}	9.83333333333	$-1.583333x_1$	$+1.333333x_5$	$-1.000000x_{16}$	$+0.750000x_{11}$	$-0.583333x_{10}$	$+2.000000x_6$	$+2.000000x_7$
z	3.66666666667	$-1.666667x_1$	$-1.333333x_5$	$-1.000000x_{16}$	$+0.000000x_{11}$	$-0.666667x_{10}$	$+0.000000x_6$	$+1.000000x_7$

x_6 enters and x_9 leaves

		x_1	x_5	x_{16}	x_{11}	x_{10}	x_9	x_7
x_8	3.09523809524	$+2.761905x_1$	$-0.333333x_5$	$+0.285714x_{16}$	$-0.428571x_{11}$	$+0.047619x_{10}$	$+0.571429x_9$	$+1.857143x_7$
x_6	0.47619047619	$-0.190476x_1$	$+0.333333x_5$	$+0.428571x_{16}$	$-0.142857x_{11}$	$+0.238095x_{10}$	$-0.142857x_9$	$-0.714286x_7$
x_{12}	8.21428571429	$-0.035714x_1$	$-3.000000x_5$	$+1.142857x_{16}$	$+0.535714x_{11}$	$+0.107143x_{10}$	$-1.714286x_9$	$-0.571429x_7$
x_4	2.45238095238	$-0.130952x_1$	$+0.666667x_5$	$-0.142857x_{16}$	$-0.035714x_{11}$	$-0.273810x_{10}$	$-0.285714x_9$	$-0.428571x_7$
x_2	0.047619047619	$-0.119048x_1$	$+0.333333x_5$	$+0.142857x_{16}$	$-0.214286x_{11}$	$+0.023810x_{10}$	$+0.285714x_9$	$-0.571429x_7$
x_{13}	9.14285714286	$+2.642857x_1$		$+0.428571x_{16}$	$-0.642857x_{11}$	$+0.071429x_{10}$	$-0.142857x_9$	$+1.285714x_7$
x_{14}	11.5238095238	$-1.809524x_1$	$+0.666667x_5$	$+0.571429x_{16}$	$+0.142857x_{11}$	$-0.238095x_{10}$	$-0.857143x_9$	$-0.285714x_7$
x_{15}	1.88095238095	$+2.797619x_1$	$-1.333333x_5$	$-0.857143x_{16}$	$+0.035714x_{11}$	$-0.059524x_{10}$	$+1.285714x_9$	$-0.571429x_7$
x_3	1.69047619048	$+0.273810x_1$	$+0.333333x_5$	$-0.428571x_{16}$	$-0.107143x_{11}$	$-0.154762x_{10}$	$+0.142857x_9$	$+0.714286x_7$
x_{17}	10.7857142857	$-1.964286x_1$	$+2.000000x_5$	$-0.142857x_{16}$	$+0.464286x_{11}$	$-0.107143x_{10}$	$-0.285714x_9$	$+0.571429x_7$
z	3.66666666667	$-1.666667x_1$	$-1.333333x_5$	$-1.000000x_{16}$	$+0.000000x_{11}$	$-0.666667x_{10}$	$-0.000000x_9$	$+1.000000x_7$

x_7 enters and x_2 leaves

		x_1	x_5	x_{16}	x_{11}	x_{10}	x_9	x_2
x_8	3.25	$+2.375000x_1$	$+0.750000x_5$	$+0.750000x_{16}$	$-1.125000x_{11}$	$+0.125000x_{10}$	$+1.500000x_9$	$-3.250000x_2$
x_6	0.416666666667	$-0.041667x_1$	$-0.083333x_5$	$+0.250000x_{16}$	$+0.125000x_{11}$	$+0.208333x_{10}$	$-0.500000x_9$	$+1.250000x_2$
x_{12}	8.16666666667	$+0.083333x_1$	$-3.333333x_5$	$+1.000000x_{16}$	$+0.750000x_{11}$	$+0.083333x_{10}$	$-2.000000x_9$	$+1.000000x_2$
x_4	2.41666666667	$-0.041667x_1$	$+0.416667x_5$	$-0.250000x_{16}$	$+0.125000x_{11}$	$-0.291667x_{10}$	$-0.500000x_9$	$+0.750000x_2$
x_7	0.0833333333333	$-0.208333x_1$	$+0.583333x_5$	$+0.250000x_{16}$	$-0.375000x_{11}$	$+0.041667x_{10}$	$+0.500000x_9$	$-1.750000x_2$
x_{13}	9.25	$+2.375000x_1$	$+0.750000x_5$	$+0.750000x_{16}$	$-1.125000x_{11}$	$+0.125000x_{10}$	$+0.500000x_9$	$-2.250000x_2$
x_{14}	11.5	$-1.750000x_1$	$+0.500000x_5$	$+0.500000x_{16}$	$+0.250000x_{11}$	$-0.250000x_{10}$	$-1.000000x_9$	$+0.500000x_2$
x_{15}	1.83333333333	$+2.916667x_1$	$-1.666667x_5$	$-1.000000x_{16}$	$+0.250000x_{11}$	$-0.083333x_{10}$	$+1.000000x_9$	$+1.000000x_2$
x_3	1.75	$+0.125000x_1$	$+0.750000x_5$	$-0.250000x_{16}$	$-0.375000x_{11}$	$-0.125000x_{10}$	$+0.500000x_9$	$-1.250000x_2$
x_{17}	10.8333333333	$-2.083333x_1$	$+2.333333x_5$		$+0.250000x_{11}$	$-0.083333x_{10}$	$+0.000000x_9$	$-1.000000x_2$
z	3.75	$-1.875000x_1$	$-0.750000x_5$	$-0.750000x_{16}$	$-0.375000x_{11}$	$-0.625000x_{10}$	$+0.500000x_9$	$-1.750000x_2$

x_9 enters and x_6 leaves

x_8	4.5	$+2.250000x_1$	$+0.500000x_5$	$+1.500000x_{16}$	$-0.750000x_{11}$	$+0.750000x_{10}$	$-3.000000x_6$	$+0.500000x_2$
x_9	0.833333333333	$-0.083333x_1$	$-0.166667x_5$	$+0.500000x_{16}$	$+0.250000x_{11}$	$+0.416667x_{10}$	$-2.000000x_6$	$+2.500000x_2$
x_{12}	6.5	$+0.250000x_1$	$-3.000000x_5$	$+0.000000x_{16}$	$+0.250000x_{11}$	$-0.750000x_{10}$	$+4.000000x_6$	$-4.000000x_2$
x_4	2.0	$+0.000000x_1$	$+0.500000x_5$	$-0.500000x_{16}$	$+0.000000x_{11}$	$-0.500000x_{10}$	$+1.000000x_6$	$-0.500000x_2$
x_7	0.5	$-0.250000x_1$	$+0.500000x_5$	$+0.500000x_{16}$	$-0.250000x_{11}$	$+0.250000x_{10}$	$-1.000000x_6$	$-0.500000x_2$
x_{13}	9.66666666667	$+2.333333x_1$	$+0.666667x_5$	$+1.000000x_{16}$	$-1.000000x_{11}$	$+0.333333x_{10}$	$-1.000000x_6$	$-1.000000x_2$
x_{14}	10.6666666667	$-1.666667x_1$	$+0.666667x_5$	$+0.000000x_{16}$	$-0.000000x_{11}$	$-0.666667x_{10}$	$+2.000000x_6$	$-2.000000x_2$
x_{15}	2.66666666667	$+2.833333x_1$	$-1.833333x_5$	$-0.500000x_{16}$	$+0.500000x_{11}$	$+0.333333x_{10}$	$-2.000000x_6$	$+3.500000x_2$
x_3	2.16666666667	$+0.083333x_1$	$+0.666667x_5$	$+0.000000x_{16}$	$-0.250000x_{11}$	$+0.083333x_{10}$	$-1.000000x_6$	$+0.000000x_2$
x_{17}	10.8333333333	$-2.083333x_1$	$+2.333333x_5$	$+0.000000x_{16}$	$+0.250000x_{11}$	$-0.083333x_{10}$	$-0.000000x_6$	$-1.000000x_2$
z	4.16666666667	$-1.916667x_1$	$-0.833333x_5$	$-0.500000x_{16}$	$-0.250000x_{11}$	$-0.416667x_{10}$	$-1.000000x_6$	$-0.500000x_2$

x_{-1} enters and Final Dictionary Solution: 4.16666666667 Num Pivots: 8