x_8	1.0	$-2.000000x_1$	$+3.000000x_2$			$-1.000000x_5$	$+1.000000x_6$ $+1.000000x_7$
x_9	6.0	$+3.000000x_1$	$-2.000000x_2$	$+2.000000x_3$	$+2.000000x_4$	$-1.000000x_5$	$-1.000000x_6$ $+3.000000x_7$
x_{10}	9.0	$-3.000000x_1$	$-3.000000x_2$	$-1.000000x_3$	$-1.000000x_4$	$-1.000000x_5$	$+1.000000x_6$ $-3.000000x_7$
x_{11}	9.0	$-2.000000x_1$		$-3.000000x_3$	$+1.000000x_4$	$+1.000000x_5$	$+2.000000x_6$ $-3.000000x_7$
x_{12}	2.0	$-2.000000x_1$		$+1.000000x_3$		$+3.000000x_5$	$-3.000000x_7$
x_{13}	15.0		$-1.000000x_2$	$-3.000000x_3$		$-2.000000x_5$	$+2.000000x_6$ $+1.000000x_7$
x_{14}	3.0	$-1.000000x_1$	$-1.000000x_2$		$-1.000000x_4$	$-3.000000x_5$	$-2.000000x_7$
x_{15}	4.0	$-1.000000x_1$	$-3.000000x_2$	$+2.000000x_3$	$+1.000000x_4$	$+2.000000x_5$	$-1.000000x_6$ $+1.000000x_7$
x_{16}	9.0	$-3.000000x_1$	$+3.000000x_2$	$+3.000000x_3$	$+3.000000x_4$	$-1.000000x_5$	$-1.000000x_6$
x_{17}	11.0	$+1.000000x_1$	$-1.000000x_2$	$+3.000000x_3$	$+2.000000x_4$		$-3.000000x_6$ $+2.000000x_7$
z	0.0	$+2.000000x_1$	$+2.000000x_2$	$+1.000000x_3$	$+2.000000x_4$		$-2.000000x_6$ $+1.000000x_7$

No initialization required –¿ Proceed to Optimize.

x_8	1.0	$-2.000000x_1$	$+3.000000x_2$			$-1.000000x_5$	$+1.000000x_6$ $+1.000000x_7$
x_9	6.0	$+3.000000x_1$	$-2.000000x_2$	$+2.000000x_3$	$+2.000000x_4$	$-1.000000x_5$	$-1.000000x_6$ $+3.000000x_7$
x_{10}	9.0	$-3.000000x_1$	$-3.000000x_2$	$-1.000000x_3$	$-1.000000x_4$	$-1.000000x_5$	$+1.000000x_6$ $-3.000000x_7$
x_{11}	9.0	$-2.000000x_1$		$-3.000000x_3$	$+1.000000x_4$	$+1.000000x_5$	$+2.000000x_6$ $-3.000000x_7$
x_{12}	2.0	$-2.000000x_1$		$+1.000000x_3$		$+3.000000x_5$	$-3.000000x_7$
x_{13}	15.0		$-1.000000x_2$	$-3.000000x_3$		$-2.000000x_5$	$+2.000000x_6$ $+1.000000x_7$
x_{14}	3.0	$-1.000000x_1$	$-1.000000x_2$		$-1.000000x_4$	$-3.000000x_5$	$-2.000000x_7$
x_{15}	4.0	$-1.000000x_1$	$-3.000000x_2$	$+2.000000x_3$	$+1.000000x_4$	$+2.000000x_5$	$-1.000000x_6$ $+1.000000x_7$
x_{16}	9.0	$-3.000000x_1$	$+3.000000x_2$	$+3.000000x_3$	$+3.000000x_4$	$-1.000000x_5$	$-1.000000x_6$
x_{17}	11.0	$+1.000000x_1$	$-1.000000x_2$	$+3.000000x_3$	$+2.000000x_4$		$-3.000000x_6$ $+2.000000x_7$
z	0.0	$+2.000000x_1$	$+2.000000x_2$	$+1.000000x_3$	$+2.000000x_4$		$-2.000000x_6$ $+1.000000x_7$

x_1 enters and x_8 leaves

x_1	0.5	$-0.500000x_8$	$+1.500000x_2$			$-0.500000x_5$	$+0.500000x_6$ $+0.500000x_7$
x_9	7.5	$-1.500000x_8$	$+2.500000x_2$	$+2.000000x_3$	$+2.000000x_4$	$-2.500000x_5$	$+0.500000x_6$ $+4.500000x_7$
x_{10}	7.5	$+1.500000x_8$	$-7.500000x_2$	$-1.000000x_3$	$-1.000000x_4$	$+0.500000x_5$	$-0.500000x_6$ $-4.500000x_7$
x_{11}	8.0	$+1.000000x_8$	$-3.000000x_2$	$-3.000000x_3$	$+1.000000x_4$	$+2.000000x_5$	$+1.000000x_6$ $-4.000000x_7$
x_{12}	1.0	$+1.000000x_8$	$-3.000000x_2$	$+1.000000x_3$		$+4.000000x_5$	$-1.000000x_6$ $-4.000000x_7$
x_{13}	15.0		$-1.000000x_2$	$-3.000000x_3$		$-2.000000x_5$	$+2.000000x_6$ $+1.000000x_7$
x_{14}	2.5	$+0.500000x_8$	$-2.500000x_2$		$-1.000000x_4$	$-2.500000x_5$	$-0.500000x_6$ $-2.500000x_7$
x_{15}	3.5	$+0.500000x_8$	$-4.500000x_2$	$+2.000000x_3$	$+1.000000x_4$	$+2.500000x_5$	$-1.500000x_6$ $+0.500000x_7$
x_{16}	7.5	$+1.500000x_8$	$-1.500000x_2$	$+3.000000x_3$	$+3.000000x_4$	$+0.500000x_5$	$-2.500000x_6$ $-1.500000x_7$
x_{17}	11.5	$-0.500000x_8$	$+0.500000x_2$	$+3.000000x_3$	$+2.000000x_4$	$-0.500000x_5$	$-2.500000x_6$ $+2.500000x_7$
z	1.0	$-1.000000x_8$	$+5.000000x_2$	$+1.000000x_3$	$+2.000000x_4$	$-1.000000x_5$	$-1.000000x_6$ $+2.000000x_7$

x_2 enters and x_{12} leaves

x_1	1.0		$-0.500000x_{12}$	$+0.500000x_3$	$+1.500000x_5$	$-1.500000x_7$
x_9	8.33333333333	$-0.666667x_8$	$-0.833333x_{12}$	$+2.833333x_3$	$+2.000000x_4$	$+0.833333x_5$ $-0.333333x_6$ $+1.166667x_7$
x_{10}	5.0	$-1.000000x_8$	$+2.500000x_{12}$	$-3.500000x_3$	$-1.000000x_4$	$-9.500000x_5$ $+2.000000x_6$ $+5.500000x_7$
x_{11}	7.0		$+1.000000x_{12}$	$-4.000000x_3$	$+1.000000x_4$	$-2.000000x_5$ $+2.000000x_6$
x_2	0.333333333333	$+0.333333x_8$	$-0.333333x_{12}$	$+0.333333x_3$		$+1.333333x_5$ $-0.333333x_6$ $-1.333333x_7$
x_{13}	14.6666666667	$-0.333333x_8$	$+0.333333x_{12}$	$-3.333333x_3$		$-3.333333x_5$ $+2.333333x_6$ $+2.333333x_7$
x_{14}	1.66666666667	$-0.333333x_8$	$+0.833333x_{12}$	$-0.833333x_3$	$-1.000000x_4$	$-5.833333x_5$ $+0.333333x_6$ $+0.833333x_7$
x_{15}	2.0	$-1.000000x_8$	$+1.500000x_{12}$	$+0.500000x_3$	$+1.000000x_4$	$-3.500000x_5$ $+6.500000x_7$
x_{16}	7.0	$+1.000000x_8$	$+0.500000x_{12}$	$+2.500000x_3$	$+3.000000x_4$	$-1.500000x_5$ $-2.000000x_6$ $+0.500000x_7$
x_{17}	11.6666666667	$-0.333333x_8$	$-0.166667x_{12}$	$+3.166667x_3$	$+2.000000x_4$	$+0.166667x_5$ $-2.666667x_6$ $+1.833333x_7$
z	2.66666666667	$+0.666667x_8$	$-1.666667x_{12}$	$+2.666667x_3$	$+2.000000x_4$	$+5.666667x_5$ $-2.666667x_6$ $-4.666667x_7$

x_3 enters and x_{10} leaves

x_1	1.71428571429	$-0.142857x_8$	$-0.142857x_{12}$	$-0.142857x_{10}$	$-0.142857x_4$	$+0.142857x_5$ $+0.285714x_6$ $-0.714286x_7$
x_9	12.380952381	$-1.476190x_8$	$+1.190476x_{12}$	$-0.809524x_{10}$	$+1.190476x_4$	$-6.857143x_5$ $+1.285714x_6$ $+5.619048x_7$
x_3	1.42857142857	$-0.285714x_8$	$+0.714286x_{12}$	$-0.285714x_{10}$	$-0.285714x_4$	$-2.714286x_5$ $+0.571429x_6$ $+1.571429x_7$
x_{11}	1.28571428571	$+1.142857x_8$	$-1.857143x_{12}$	$+1.142857x_{10}$	$+2.142857x_4$	$+8.857143x_5$ $-0.285714x_6$ $-6.285714x_7$
x_2	0.809523809524	$+0.238095x_8$	$-0.095238x_{12}$	$-0.095238x_{10}$	$-0.095238x_4$	$+0.428571x_5$ $-0.142857x_6$ $-0.809524x_7$
x_{13}	9.90476190476	$+0.619048x_8$	$-2.047619x_{12}$	$+0.952381x_{10}$	$+0.952381x_4$	$+5.714286x_5$ $+0.428571x_6$ $-2.904762x_7$
x_{14}	0.47619047619	$-0.095238x_8$	$+0.238095x_{12}$	$+0.238095x_{10}$	$-0.761905x_4$	$-3.571429x_5$ $-0.142857x_6$ $-0.476190x_7$
x_{15}	2.71428571429	$-1.142857x_8$	$+1.857143x_{12}$	$-0.142857x_{10}$	$+0.857143x_4$	$-4.857143x_5$ $+0.285714x_6$ $+7.285714x_7$
x_{16}	10.5714285714	$+0.285714x_8$	$+2.285714x_{12}$	$-0.714286x_{10}$	$+2.285714x_4$	$-8.285714x_5$ $-0.571429x_6$ $+4.428571x_7$
x_{17}	16.1904761905	$-1.238095x_8$	$+2.095238x_{12}$	$-0.904762x_{10}$	$+1.095238x_4$	$-8.428571x_5$ $-0.857143x_6$ $+6.809524x_7$
z	6.47619047619	$-0.095238x_8$	$+0.238095x_{12}$	$-0.761905x_{10}$	$+1.238095x_4$	$-1.571429x_5$ $-1.142857x_6$ $-0.476190x_7$

x_4 enters and x_{14} leaves

x_1	1.625	$-0.125000x_8$	$-0.187500x_{12}$	$-0.187500x_{10}$	$+0.187500x_{14}$	$+0.812500x_5$ $+0.312500x_6$ $-0.625000x_7$
x_9	13.125	$-1.625000x_8$	$+1.562500x_{12}$	$-0.437500x_{10}$	$-1.562500x_{14}$	$-12.437500x_5$ $+1.062500x_6$ $+4.875000x_7$
x_3	1.25	$-0.250000x_8$	$+0.625000x_{12}$	$-0.375000x_{10}$	$+0.375000x_{14}$	$-1.375000x_5$ $+0.625000x_6$ $+1.750000x_7$
x_{11}	2.625	$+0.875000x_8$	$-1.187500x_{12}$	$+1.812500x_{10}$	$-2.812500x_{14}$	$-1.187500x_5$ $-0.687500x_6$ $-7.625000x_7$
x_2	0.75	$+0.250000x_8$	$-0.125000x_{12}$	$-0.125000x_{10}$	$+0.125000x_{14}$	$+0.875000x_5$ $-0.125000x_6$ $-0.750000x_7$
x_{13}	10.5	$+0.500000x_8$	$-1.750000x_{12}$	$+1.250000x_{10}$	$-1.250000x_{14}$	$+1.250000x_5$ $+0.250000x_6$ $-3.500000x_7$
x_4	0.625	$-0.125000x_8$	$+0.312500x_{12}$	$+0.312500x_{10}$	$-1.312500x_{14}$	$-4.687500x_5$ $-0.187500x_6$ $-0.625000x_7$
x_{15}	3.25	$-1.250000x_8$	$+2.125000x_{12}$	$+0.125000x_{10}$	$-1.125000x_{14}$	$-8.875000x_5$ $+0.125000x_6$ $+6.750000x_7$
x_{16}	12.0	$+0.000000x_8$	$+3.000000x_{12}$	$-0.000000x_{10}$	$-3.000000x_{14}$	$-19.000000x_5$ $-1.000000x_6$ $+3.000000x_7$
x_{17}	16.875	$-1.375000x_8$	$+2.437500x_{12}$	$-0.562500x_{10}$	$-1.437500x_{14}$	$-13.562500x_5$ $-1.062500x_6$ $+6.125000x_7$
z	7.25	$-0.250000x_8$	$+0.625000x_{12}$	$-0.375000x_{10}$	$-1.625000x_{14}$	$-7.375000x_5$ $-1.375000x_6$ $-1.250000x_7$

x_{12} enters and x_{11} leaves

x_1	1.21052631579	$-0.263158x_8$	$+0.157895x_{11}$	$-0.473684x_{10}$	$+0.631579x_{14}$	$+1.000000x_5$	$+0.421053x_6$	$+0.578947x_7$
x_9	16.5789473684	$-0.473684x_8$	$-1.315789x_{11}$	$+1.947368x_{10}$	$-5.263158x_{14}$	$-14.000000x_5$	$+0.157895x_6$	$-5.157895x_7$
x_3	2.63157894737	$+0.210526x_8$	$-0.526316x_{11}$	$+0.578947x_{10}$	$-1.105263x_{14}$	$-2.000000x_5$	$+0.263158x_6$	$-2.263158x_7$
x_{12}	2.21052631579	$+0.736842x_8$	$-0.842105x_{11}$	$+1.526316x_{10}$	$-2.368421x_{14}$	$-1.000000x_5$	$-0.578947x_6$	$-6.421053x_7$
x_2	0.473684210526	$+0.157895x_8$	$+0.105263x_{11}$	$-0.315789x_{10}$	$+0.421053x_{14}$	$+1.000000x_5$	$-0.052632x_6$	$+0.052632x_7$
x_{13}	6.63157894737	$-0.789474x_8$	$+1.473684x_{11}$	$-1.421053x_{10}$	$+2.894737x_{14}$	$+3.000000x_5$	$+1.263158x_6$	$+7.736842x_7$
x_4	1.31578947368	$+0.105263x_8$	$-0.263158x_{11}$	$+0.789474x_{10}$	$-2.052632x_{14}$	$-5.000000x_5$	$-0.368421x_6$	$-2.631579x_7$
x_{15}	7.94736842105	$+0.315789x_8$	$-1.789474x_{11}$	$+3.368421x_{10}$	$-6.157895x_{14}$	$-11.000000x_5$	$-1.105263x_6$	$-6.894737x_7$
x_{16}	18.6315789474	$+2.210526x_8$	$-2.526316x_{11}$	$+4.578947x_{10}$	$-10.105263x_{14}$	$-22.000000x_5$	$-2.736842x_6$	$-16.263158x_7$
x_{17}	22.2631578947	$+0.421053x_8$	$-2.052632x_{11}$	$+3.157895x_{10}$	$-7.210526x_{14}$	$-16.000000x_5$	$-2.473684x_6$	$-9.526316x_7$
z	8.63157894737	$+0.210526x_8$	$-0.526316x_{11}$	$+0.578947x_{10}$	$-3.105263x_{14}$	$-8.000000x_5$	$-1.736842x_6$	$-5.263158x_7$

x_8 enters and x_1 leaves

x_8	4.6	$-3.800000x_1$	$+0.600000x_{11}$	$-1.800000x_{10}$	$+2.400000x_{14}$	$+3.800000x_5$	$+1.600000x_6$	$+2.200000x_7$
x_9	14.4	$+1.800000x_1$	$-1.600000x_{11}$	$+2.800000x_{10}$	$-6.400000x_{14}$	$-15.800000x_5$	$-0.600000x_6$	$-6.200000x_7$
x_3	3.6	$-0.800000x_1$	$-0.400000x_{11}$	$+0.200000x_{10}$	$-0.600000x_{14}$	$-1.200000x_5$	$+0.600000x_6$	$-1.800000x_7$
x_{12}	5.6	$-2.800000x_1$	$-0.400000x_{11}$	$+0.200000x_{10}$	$-0.600000x_{14}$	$+1.800000x_5$	$+0.600000x_6$	$-4.800000x_7$
x_2	1.2	$-0.600000x_1$	$+0.200000x_{11}$	$-0.600000x_{10}$	$+0.800000x_{14}$	$+1.600000x_5$	$+0.200000x_6$	$+0.400000x_7$
x_{13}	3.0	$+3.000000x_1$	$+1.000000x_{11}$	$+0.000000x_{10}$	$+1.000000x_{14}$	$+0.000000x_5$	$+0.000000x_6$	$+6.000000x_7$
x_4	1.8	$-0.400000x_1$	$-0.200000x_{11}$	$+0.600000x_{10}$	$-1.800000x_{14}$	$-4.600000x_5$	$-0.200000x_6$	$-2.400000x_7$
x_{15}	9.4	$-1.200000x_1$	$-1.600000x_{11}$	$+2.800000x_{10}$	$-5.400000x_{14}$	$-9.800000x_5$	$-0.600000x_6$	$-6.200000x_7$
x_{16}	28.8	$-8.400000x_1$	$-1.200000x_{11}$	$+0.600000x_{10}$	$-4.800000x_{14}$	$-13.600000x_5$	$+0.800000x_6$	$-11.400000x_7$
x_{17}	24.2	$-1.600000x_1$	$-1.800000x_{11}$	$+2.400000x_{10}$	$-6.200000x_{14}$	$-14.400000x_5$	$-1.800000x_6$	$-8.600000x_7$
z	9.6	$-0.800000x_1$	$-0.400000x_{11}$	$+0.200000x_{10}$	$-2.600000x_{14}$	$-7.200000x_5$	$-1.400000x_6$	$-4.800000x_7$

x_{10} enters and x_2 leaves

x_8	1.0	$-2.000000x_1$		$+3.000000x_2$	$+0.000000x_{14}$	$-1.000000x_5$	$+1.000000x_6$	$+1.000000x_7$
x_9	20.0	$-1.000000x_1$	$-0.666667x_{11}$	$-4.666667x_2$	$-2.666667x_{14}$	$-8.333333x_5$	$+0.333333x_6$	$-4.333333x_7$
x_3	4.0	$-1.000000x_1$	$-0.333333x_{11}$	$-0.333333x_2$	$-0.333333x_{14}$	$-0.666667x_5$	$+0.666667x_6$	$-1.666667x_7$
x_{12}	6.0	$-3.000000x_1$	$-0.333333x_{11}$	$-0.333333x_2$	$-0.333333x_{14}$	$+2.333333x_5$	$+0.666667x_6$	$-4.666667x_7$
x_{10}	2.0	$-1.000000x_1$	$+0.333333x_{11}$	$-1.666667x_2$	$+1.333333x_{14}$	$+2.666667x_5$	$+0.333333x_6$	$+0.666667x_7$
x_{13}	3.0	$+3.000000x_1$	$+1.000000x_{11}$	$-0.000000x_2$	$+1.000000x_{14}$	$+0.000000x_5$	$+0.000000x_6$	$+6.000000x_7$
x_4	3.0	$-1.000000x_1$		$-1.000000x_2$	$-1.000000x_{14}$	$-3.000000x_5$		$-2.000000x_7$
x_{15}	15.0	$-4.000000x_1$	$-0.666667x_{11}$	$-4.666667x_2$	$-1.666667x_{14}$	$-2.333333x_5$	$+0.333333x_6$	$-4.333333x_7$
x_{16}	30.0	$-9.000000x_1$	$-1.000000x_{11}$	$-1.000000x_2$	$-4.000000x_{14}$	$-12.000000x_5$	$+1.000000x_6$	$-11.000000x_7$
x_{17}	29.0	$-4.000000x_1$	$-1.000000x_{11}$	$-4.000000x_2$	$-3.000000x_{14}$	$-8.000000x_5$	$-1.000000x_6$	$-7.000000x_7$
z	10.0	$-1.000000x_1$	$-0.333333x_{11}$	$-0.333333x_2$	$-2.333333x_{14}$	$-6.666667x_5$	$-1.333333x_6$	$-4.666667x_7$

x_{-1} enters and Final Dictionary Solution: 10.0 Num Pivots: 7