x_8	1.0	$+3.000000x_1$	$+3.000000x_2$	$-2.000000x_3$	$+1.000000x_4$	$-2.000000x_5$	$+3.000000x_6$	$-2.000000x_7$
x_9	7.0	$+1.000000x_1$	$+2.000000x_2$		$-3.000000x_4$	$+1.000000x_5$		$+3.000000x_7$
x_{10}	15.0	$-2.000000x_1$	$-1.000000x_2$	$-2.000000x_3$	$+2.000000x_4$	$+1.000000x_5$	$+3.000000x_6$	$+1.000000x_7$
x_{11}	9.0	$-2.000000x_1$	$+1.000000x_2$	$+2.000000x_3$		$-1.000000x_5$	$-3.000000x_6$	$+1.000000x_7$
x_{12}	3.0	$+2.000000x_1$	$+3.000000x_2$		$-1.000000x_4$	$-1.000000x_5$		$+3.000000x_7$
x_{13}	12.0	$+2.000000x_1$	$-2.000000x_2$	$+1.000000x_3$		$-1.000000x_5$	$+1.000000x_6$	
x_{14}	1.0	$+3.000000x_1$	$-1.000000x_2$	$-1.000000x_3$	$+3.000000x_4$		$+1.000000x_6$	$-1.000000x_7$
x_{15}	8.0	$-3.000000x_1$	$-1.000000x_2$	$-2.000000x_3$		$+1.000000x_5$	$-2.000000x_6$	$-3.000000x_7$
x_{16}	12.0	$+2.000000x_1$	$+2.000000x_2$	$+1.000000x_3$	$-2.000000x_4$	$+3.000000x_5$	$-3.000000x_6$	
x_{17}	10.0	$-2.000000x_1$	$-1.000000x_2$	$+2.000000x_3$	$-3.000000x_4$	$+2.000000x_5$	$+2.000000x_6$	$+1.000000x_7$
z	0.0	$-1.000000x_1$	$+2.000000x_2$	$+1.000000x_3$		$-2.000000x_5$		$-2.000000x_7$

No initialization required –¿ Proceed to Optimize.

x_8	1.0	$+3.000000x_1$	$+3.000000x_2$	$-2.000000x_3$	$+1.000000x_4$	$-2.000000x_5$	$+3.000000x_6$	$-2.000000x_7$
x_9	7.0	$+1.000000x_1$	$+2.000000x_2$		$-3.000000x_4$	$+1.000000x_5$		$+3.000000x_7$
x_{10}	15.0	$-2.000000x_1$	$-1.000000x_2$	$-2.000000x_3$	$+2.000000x_4$	$+1.000000x_5$	$+3.000000x_6$	$+1.000000x_7$
x_{11}	9.0	$-2.000000x_1$	$+1.000000x_2$	$+2.000000x_3$		$-1.000000x_5$	$-3.000000x_6$	$+1.000000x_7$
x_{12}	3.0	$+2.000000x_1$	$+3.000000x_2$		$-1.000000x_4$	$-1.000000x_5$		$+3.000000x_7$
x_{13}	12.0	$+2.000000x_1$	$-2.000000x_2$	$+1.000000x_3$		$-1.000000x_5$	$+1.000000x_6$	
x_{14}	1.0	$+3.000000x_1$	$-1.000000x_2$	$-1.000000x_3$	$+3.000000x_4$		$+1.000000x_6$	$-1.000000x_7$
x_{15}	8.0	$-3.000000x_1$	$-1.000000x_2$	$-2.000000x_3$		$+1.000000x_5$	$-2.000000x_6$	$-3.000000x_7$
x_{16}	12.0	$+2.000000x_1$	$+2.000000x_2$	$+1.000000x_3$	$-2.000000x_4$	$+3.000000x_5$	$-3.000000x_6$	
x_{17}	10.0	$-2.000000x_1$	$-1.000000x_2$	$+2.000000x_3$	$-3.000000x_4$	$+2.000000x_5$	$+2.000000x_6$	$+1.000000x_7$
z	0.0	$-1.000000x_1$	$+2.000000x_2$	$+1.000000x_3$		$-2.000000x_5$		$-2.000000x_7$

x_2 enters and x_{14} leaves

x_8	4.0	$+12.000000x_1$	$-3.000000x_{14}$	$-5.000000x_3$	$+10.000000x_4$	$-2.000000x_5$	$+6.000000x_6$	$-5.000000x_7$
x_9	9.0	$+7.000000x_1$	$-2.000000x_{14}$	$-2.000000x_3$	$+3.000000x_4$	$+1.000000x_5$	$+2.000000x_6$	$+1.000000x_7$
x_{10}	14.0	$-5.000000x_1$	$+1.000000x_{14}$	$-1.000000x_3$	$-1.000000x_4$	$+1.000000x_5$	$+2.000000x_6$	$+2.000000x_7$
x_{11}	10.0	$+1.000000x_1$	$-1.000000x_{14}$	$+1.000000x_3$	$+3.000000x_4$	$-1.000000x_5$	$-2.000000x_6$	
x_{12}	6.0	$+11.000000x_1$	$-3.000000x_{14}$	$-3.000000x_3$	$+8.000000x_4$	$-1.000000x_5$	$+3.000000x_6$	
x_{13}	10.0	$-4.000000x_1$	$+2.000000x_{14}$	$+3.000000x_3$	$-6.000000x_4$	$-1.000000x_5$	$-1.000000x_6$	$+2.000000x_7$
x_2	1.0	$+3.000000x_1$	$-1.000000x_{14}$	$-1.000000x_3$	$+3.000000x_4$		$+1.000000x_6$	$-1.000000x_7$
x_{15}	7.0	$-6.000000x_1$	$+1.000000x_{14}$	$-1.000000x_3$	$-3.000000x_4$	$+1.000000x_5$	$-3.000000x_6$	$-2.000000x_7$
x_{16}	14.0	$+8.000000x_1$	$-2.000000x_{14}$	$-1.000000x_3$	$+4.000000x_4$	$+3.000000x_5$	$-1.000000x_6$	$-2.000000x_7$
x_{17}	9.0	$-5.000000x_1$	$+1.000000x_{14}$	$+3.000000x_3$	$-6.000000x_4$	$+2.000000x_5$	$+1.000000x_6$	$+2.000000x_7$
z	2.0	$+5.000000x_1$	$-2.000000x_{14}$	$-1.000000x_3$	$+6.000000x_4$	$-2.000000x_5$	$+2.000000x_6$	$-4.000000x_7$

x_1 enters and x_{15} leaves

x_8	18.0	$-2.000000x_{15}$	$-1.000000x_{14}$	$-7.000000x_3$	$+4.000000x_4$		$-9.000000x_7$
x_9	17.1666666667	$-1.166667x_{15}$	$-0.833333x_{14}$	$-3.166667x_3$	$-0.500000x_4$	$+2.166667x_5$	$-1.500000x_6$ $-1.333333x_7$
x_{10}	8.16666666667	$+0.833333x_{15}$	$+0.166667x_{14}$	$-0.166667x_3$	$+1.500000x_4$	$+0.166667x_5$	$+4.500000x_6$ $+3.666667x_7$
x_{11}	11.1666666667	$-0.166667x_{15}$	$-0.833333x_{14}$	$+0.833333x_3$	$+2.500000x_4$	$-0.833333x_5$	$-2.500000x_6$ $-0.333333x_7$
x_{12}	18.8333333333	$-1.833333x_{15}$	$-1.166667x_{14}$	$-4.833333x_3$	$+2.500000x_4$	$+0.833333x_5$	$-2.500000x_6$ $-3.666667x_7$
x_{13}	5.33333333333	$+0.666667x_{15}$	$+1.333333x_{14}$	$+3.666667x_3$	$-4.000000x_4$	$-1.666667x_5$	$+1.000000x_6$ $+3.333333x_7$
x_2	4.5	$-0.500000x_{15}$	$-0.500000x_{14}$	$-1.500000x_3$	$+1.500000x_4$	$+0.500000x_5$	$-0.500000x_6$ $-2.000000x_7$
x_1	1.16666666667	$-0.166667x_{15}$	$+0.166667x_{14}$	$-0.166667x_3$	$-0.500000x_4$	$+0.166667x_5$	$-0.500000x_6$ $-0.333333x_7$
x_{16}	23.3333333333	$-1.333333x_{15}$	$-0.666667x_{14}$	$-2.333333x_3$		$+4.333333x_5$	$-5.000000x_6$ $-4.666667x_7$
x_{17}	3.16666666667	$+0.833333x_{15}$	$+0.166667x_{14}$	$+3.833333x_3$	$-3.500000x_4$	$+1.166667x_5$	$+3.500000x_6$ $+3.666667x_7$
z	7.83333333333	$-0.833333x_{15}$	$-1.166667x_{14}$	$-1.833333x_3$	$+3.500000x_4$	$-1.166667x_5$	$-0.500000x_6$ $-5.666667x_7$

x_4 enters and x_{17} leaves

x_8	21.619047619	$-1.047619x_{15}$	$-0.809524x_{14}$	$-2.619048x_3$	$-1.142857x_{17}$	$+1.333333x_5$	$+4.000000x_6$ $-4.809524x_7$
x_9	16.7142857143	$-1.285714x_{15}$	$-0.857143x_{14}$	$-3.714286x_3$	$+0.142857x_{17}$	$+2.000000x_5$	$-2.000000x_6$ $-1.857143x_7$
x_{10}	9.52380952381	$+1.190476x_{15}$	$+0.238095x_{14}$	$+1.476190x_3$	$-0.428571x_{17}$	$+0.666667x_5$	$+6.000000x_6$ $+5.238095x_7$
x_{11}	13.4285714286	$+0.428571x_{15}$	$-0.714286x_{14}$	$+3.571429x_3$	$-0.714286x_{17}$	$+0.000000x_5$	$+2.285714x_7$
x_{12}	21.0952380952	$-1.238095x_{15}$	$-1.047619x_{14}$	$-2.095238x_3$	$-0.714286x_{17}$	$+1.666667x_5$	$-1.047619x_7$
x_{13}	1.71428571429	$-0.285714x_{15}$	$+1.142857x_{14}$	$-0.714286x_3$	$+1.142857x_{17}$	$-3.000000x_5$	$-3.000000x_6$ $-0.857143x_7$
x_2	5.85714285714	$-0.142857x_{15}$	$-0.428571x_{14}$	$+0.142857x_3$	$-0.428571x_{17}$	$+1.000000x_5$	$+1.000000x_6$ $-0.428571x_7$
x_1	0.714285714286	$-0.285714x_{15}$	$+0.142857x_{14}$	$-0.714286x_3$	$+0.142857x_{17}$	$-0.000000x_5$	$-1.000000x_6$ $-0.857143x_7$
x_{16}	23.3333333333	$-1.333333x_{15}$	$-0.666667x_{14}$	$-2.333333x_3$		$+4.333333x_5$	$-5.000000x_6$ $-4.666667x_7$
x_4	0.904761904762	$+0.238095x_{15}$	$+0.047619x_{14}$	$+1.095238x_3$	$-0.285714x_{17}$	$+0.333333x_5$	$+1.000000x_6$ $+1.047619x_7$
z	11.0		$-1.000000x_{14}$	$+2.000000x_3$	$-1.000000x_{17}$		$+3.000000x_6$ $-2.000000x_7$

x_3 enters and x_1 leaves

x_8	19.0	$+0.000000x_{15}$	$-1.333333x_{14}$	$+3.666667x_1$	$-1.666667x_{17}$	$+1.333333x_5$	$+7.666667x_6$ $-1.666667x_7$
x_9	13.0	$+0.200000x_{15}$	$-1.600000x_{14}$	$+5.200000x_1$	$-0.600000x_{17}$	$+2.000000x_5$	$+3.200000x_6$ $+2.600000x_7$
x_{10}	11.0	$+0.600000x_{15}$	$+0.533333x_{14}$	$-2.066667x_1$	$-0.133333x_{17}$	$+0.666667x_5$	$+3.933333x_6$ $+3.466667x_7$
x_{11}	17.0	$-1.000000x_{15}$		$-5.000000x_1$	$+0.000000x_{17}$	$-0.000000x_5$	$-5.000000x_6$ $-2.000000x_7$
x_{12}	19.0	$-0.400000x_{15}$	$-1.466667x_{14}$	$+2.933333x_1$	$-1.133333x_{17}$	$+1.666667x_5$	$+2.933333x_6$ $+1.466667x_7$
x_{13}	1.0	$-0.000000x_{15}$	$+1.000000x_{14}$	$+1.000000x_1$	$+1.000000x_{17}$	$-3.000000x_5$	$-2.000000x_6$ $-0.000000x_7$
x_2	6.0	$-0.200000x_{15}$	$-0.400000x_{14}$	$-0.200000x_1$	$-0.400000x_{17}$	$+1.000000x_5$	$+0.800000x_6$ $-0.600000x_7$
x_3	1.0	$-0.400000x_{15}$	$+0.200000x_{14}$	$-1.400000x_1$	$+0.200000x_{17}$	$-0.000000x_5$	$-1.400000x_6$ $-1.200000x_7$
x_{16}	21.0	$-0.400000x_{15}$	$-1.133333x_{14}$	$+3.266667x_1$	$-0.466667x_{17}$	$+4.333333x_5$	$-1.733333x_6$ $-1.866667x_7$
x_4	2.0	$-0.200000x_{15}$	$+0.266667x_{14}$	$-1.533333x_1$	$-0.066667x_{17}$	$+0.333333x_5$	$-0.533333x_6$ $-0.266667x_7$
z	13.0	$-0.800000x_{15}$	$-0.600000x_{14}$	$-2.800000x_1$	$-0.600000x_{17}$	$-0.000000x_5$	$+0.200000x_6$ $-4.400000x_7$

x_6 enters and x_{13} leaves

x_8	22.8333333333	$-0.000000x_{15}$	$+2.500000x_{14}$	$+7.500000x_1$	$+2.166667x_{17}$	$-10.166667x_5$	$-3.833333x_{13}$ $-1.666667x_7$
x_9	14.6	$+0.200000x_{15}$		$+6.800000x_1$	$+1.000000x_{17}$	$-2.800000x_5$	$-1.600000x_{13}$ $+2.600000x_7$
x_{10}	12.9666666667	$+0.600000x_{15}$	$+2.500000x_{14}$	$-0.100000x_1$	$+1.833333x_{17}$	$-5.233333x_5$	$-1.966667x_{13}$ $+3.466667x_7$
x_{11}	14.5	$-1.000000x_{15}$	$-2.500000x_{14}$	$-7.500000x_1$	$-2.500000x_{17}$	$+7.500000x_5$	$+2.500000x_{13}$ $-2.000000x_7$
x_{12}	20.4666666667	$-0.400000x_{15}$		$+4.400000x_1$	$+0.333333x_{17}$	$-2.733333x_5$	$-1.466667x_{13}$ $+1.466667x_7$
x_6	0.5	$-0.000000x_{15}$	$+0.500000x_{14}$	$+0.500000x_1$	$+0.500000x_{17}$	$-1.500000x_5$	$-0.500000x_{13}$ $-0.000000x_7$
x_2	6.4	$-0.200000x_{15}$	$+0.000000x_{14}$	$+0.200000x_1$	$-0.000000x_{17}$	$-0.200000x_5$	$-0.400000x_{13}$ $-0.600000x_7$
x_3	0.3	$-0.400000x_{15}$	$-0.500000x_{14}$	$-2.100000x_1$	$-0.500000x_{17}$	$+2.100000x_5$	$+0.700000x_{13}$ $-1.200000x_7$
x_{16}	20.1333333333	$-0.400000x_{15}$	$-2.000000x_{14}$	$+2.400000x_1$	$-1.333333x_{17}$	$+6.933333x_5$	$+0.866667x_{13}$ $-1.866667x_7$
x_4	1.73333333333	$-0.200000x_{15}$	$+0.000000x_{14}$	$-1.800000x_1$	$-0.333333x_{17}$	$+1.133333x_5$	$+0.266667x_{13}$ $-0.266667x_7$
z	13.1	$-0.800000x_{15}$	$-0.500000x_{14}$	$-2.700000x_1$	$-0.500000x_{17}$	$-0.300000x_5$	$-0.100000x_{13}$ $-4.400000x_7$

x_{-1} enters and Final Dictionary Solution: 13.1 Num Pivots: 5