x_8	12.0	$-3.000000x_1$	$-3.000000x_2$	$-3.000000x_3$		$-2.000000x_5$	$+1.000000x_7$
x_9	2.0		$-1.000000x_2$	$+1.000000x_3$	$+2.000000x_4$	$-1.000000x_5$	$+3.000000x_7$
x_{10}	15.0	$-1.000000x_1$	$-1.000000x_2$	$-1.000000x_3$			$-3.000000x_7$
x_{11}	7.0	$+1.000000x_1$	$-1.000000x_2$		$+1.000000x_4$	$+2.000000x_5$	$-1.000000x_6$ $-1.000000x_7$
x_{12}	7.0		$-1.000000x_2$	$-3.000000x_3$	$-3.000000x_4$	$-1.000000x_5$	$+1.000000x_7$
x_{13}	5.0	$+2.000000x_1$	$+3.000000x_2$	$+2.000000x_3$	$+1.000000x_4$	$+2.000000x_5$	$+2.000000x_6$ $+2.000000x_7$
x_{14}	5.0	$+2.000000x_1$	$-1.000000x_2$	$+2.000000x_3$	$+1.000000x_4$	$-1.000000x_5$	$-1.000000x_7$
x_{15}	9.0	$-3.000000x_1$	$+1.000000x_2$		$-1.000000x_4$	$+1.000000x_5$	$-2.000000x_6$ $-3.000000x_7$
x_{16}	4.0	$-2.000000x_1$	$+1.000000x_2$	$+3.000000x_3$	$-2.000000x_4$		$+1.000000x_6$ $+1.000000x_7$
x_{17}	12.0	$+3.000000x_1$	$-3.000000x_2$		$-1.000000x_4$		$+2.000000x_6$ $+2.000000x_7$
z	0.0	$+2.000000x_1$	$-2.000000x_2$	$+1.000000x_3$	$+2.000000x_4$		$-2.000000x_7$

No initialization required –¿ Proceed to Optimize.

x_8	12.0	$-3.000000x_1$	$-3.000000x_2$	$-3.000000x_3$		$-2.000000x_5$	$+1.000000x_7$
x_9	2.0		$-1.000000x_2$	$+1.000000x_3$	$+2.000000x_4$	$-1.000000x_5$	$+3.000000x_7$
x_{10}	15.0	$-1.000000x_1$	$-1.000000x_2$	$-1.000000x_3$			$-3.000000x_7$
x_{11}	7.0	$+1.000000x_1$	$-1.000000x_2$		$+1.000000x_4$	$+2.000000x_5$	$-1.000000x_6$ $-1.000000x_7$
x_{12}	7.0		$-1.000000x_2$	$-3.000000x_3$	$-3.000000x_4$	$-1.000000x_5$	$+1.000000x_7$
x_{13}	5.0	$+2.000000x_1$	$+3.000000x_2$	$+2.000000x_3$	$+1.000000x_4$	$+2.000000x_5$	$+2.000000x_6$ $+2.000000x_7$
x_{14}	5.0	$+2.000000x_1$	$-1.000000x_2$	$+2.000000x_3$	$+1.000000x_4$	$-1.000000x_5$	$-1.000000x_7$
x_{15}	9.0	$-3.000000x_1$	$+1.000000x_2$		$-1.000000x_4$	$+1.000000x_5$	$-2.000000x_6$ $-3.000000x_7$
x_{16}	4.0	$-2.000000x_1$	$+1.000000x_2$	$+3.000000x_3$	$-2.000000x_4$		$+1.000000x_6$ $+1.000000x_7$
x_{17}	12.0	$+3.000000x_1$	$-3.000000x_2$		$-1.000000x_4$		$+2.000000x_6$ $+2.000000x_7$
z	0.0	$+2.000000x_1$	$-2.000000x_2$	$+1.000000x_3$	$+2.000000x_4$		$-2.000000x_7$

x_1 enters and x_{16} leaves

x_8	6.0	$+1.500000x_{16}$	$-4.500000x_2$	$-7.500000x_3$	$+3.000000x_4$	$-2.000000x_5$	$-1.500000x_6$ $-0.500000x_7$
x_9	2.0		$-1.000000x_2$	$+1.000000x_3$	$+2.000000x_4$	$-1.000000x_5$	$+3.000000x_7$
x_{10}	13.0	$+0.500000x_{16}$	$-1.500000x_2$	$-2.500000x_3$	$+1.000000x_4$		$-0.500000x_6$ $-3.500000x_7$
x_{11}	9.0	$-0.500000x_{16}$	$-0.500000x_2$	$+1.500000x_3$		$+2.000000x_5$	$-0.500000x_6$ $-0.500000x_7$
x_{12}	7.0		$-1.000000x_2$	$-3.000000x_3$	$-3.000000x_4$	$-1.000000x_5$	$+1.000000x_7$
x_{13}	9.0	$-1.000000x_{16}$	$+4.000000x_2$	$+5.000000x_3$	$-1.000000x_4$	$+2.000000x_5$	$+3.000000x_6$ $+3.000000x_7$
x_{14}	9.0	$-1.000000x_{16}$		$+5.000000x_3$	$-1.000000x_4$	$-1.000000x_5$	$+1.000000x_6$
x_{15}	3.0	$+1.500000x_{16}$	$-0.500000x_2$	$-4.500000x_3$	$+2.000000x_4$	$+1.000000x_5$	$-3.500000x_6$ $-4.500000x_7$
x_1	2.0	$-0.500000x_{16}$	$+0.500000x_2$	$+1.500000x_3$	$-1.000000x_4$		$+0.500000x_6$ $+0.500000x_7$
x_{17}	18.0	$-1.500000x_{16}$	$-1.500000x_2$	$+4.500000x_3$	$-4.000000x_4$		$+3.500000x_6$ $+3.500000x_7$
z	4.0	$-1.000000x_{16}$	$-1.000000x_2$	$+4.000000x_3$			$+1.000000x_6$ $-1.000000x_7$

x_3 enters and x_{15} leaves

x_8	1.0	$-1.000000x_{16} -3.666667x_2 +1.666667x_{15} -0.333333x_4 -3.666667x_5 +4.333333x_6 +7.000000x_7$
x_9	2.66666666667	$+0.333333x_{16} -1.111111x_2 -0.222222x_{15} +2.444444x_4 -0.777778x_5 -0.777778x_6 +2.000000x_7$
x_{10}	11.3333333333	$-0.333333x_{16} -1.222222x_2 +0.555556x_{15} -0.111111x_4 -0.555556x_5 +1.444444x_6 -1.000000x_7$
x_{11}	10.0	$-0.666667x_2 -0.333333x_{15} +0.666667x_4 +2.333333x_5 -1.666667x_6 -2.000000x_7$
x_{12}	5.0	$-1.000000x_{16} -0.666667x_2 +0.666667x_{15} -4.333333x_4 -1.666667x_5 +2.333333x_6 +4.000000x_7$
x_{13}	12.3333333333	$+0.666667x_{16} +3.444444x_2 -1.111111x_{15} +1.222222x_4 +3.111111x_5 -0.888889x_6 -2.000000x_7$
x_{14}	12.3333333333	$+0.666667x_{16} -0.555556x_2 -1.111111x_{15} +1.222222x_4 +0.111111x_5 -2.888889x_6 -5.000000x_7$
x_3	0.666666666667	$+0.333333x_{16} -0.111111x_2 -0.222222x_{15} +0.444444x_4 +0.222222x_5 -0.777778x_6 -1.000000x_7$
x_1	3.0	$+0.333333x_2 -0.333333x_{15} -0.333333x_4 +0.333333x_5 -0.666667x_6 -1.000000x_7$
x_{17}	21.0	$-2.000000x_2 -1.000000x_{15} -2.000000x_4 +1.000000x_5 -1.000000x_7$
z	6.66666666667	$+0.333333x_{16} -1.444444x_2 -0.888889x_{15} +1.777778x_4 +0.888889x_5 -2.111111x_6 -5.000000x_7$

x_4 enters and x_{12} leaves

x_8	0.615384615385	$-0.923077x_{16} -3.615385x_2 +1.615385x_{15} +0.076923x_{12} -3.538462x_5 +4.153846x_6 +6.692308x_7$
x_9	5.48717948718	$-0.230769x_{16} -1.487179x_2 +0.153846x_{15} -0.564103x_{12} -1.717949x_5 +0.538462x_6 +4.256410x_7$
x_{10}	11.2051282051	$-0.307692x_{16} -1.205128x_2 +0.538462x_{15} +0.025641x_{12} -0.512821x_5 +1.384615x_6 -1.102564x_7$
x_{11}	10.7692307692	$-0.153846x_{16} -0.769231x_2 -0.230769x_{15} -0.153846x_{12} +2.076923x_5 -1.307692x_6 -1.384615x_7$
x_4	1.15384615385	$-0.230769x_{16} -0.153846x_2 +0.153846x_{15} -0.230769x_{12} -0.384615x_5 +0.538462x_6 +0.923077x_7$
x_{13}	13.7435897436	$+0.384615x_{16} +3.256410x_2 -0.923077x_{15} -0.282051x_{12} +2.641026x_5 -0.230769x_6 -0.871795x_7$
x_{14}	13.7435897436	$+0.384615x_{16} -0.743590x_2 -0.923077x_{15} -0.282051x_{12} -0.358974x_5 -2.230769x_6 -3.871795x_7$
x_3	1.17948717949	$+0.230769x_{16} -0.179487x_2 -0.153846x_{15} -0.102564x_{12} +0.051282x_5 -0.538462x_6 -0.589744x_7$
x_1	2.61538461538	$+0.076923x_{16} +0.384615x_2 -0.384615x_{15} +0.076923x_{12} +0.461538x_5 -0.846154x_6 -1.307692x_7$
x_{17}	18.6923076923	$+0.461538x_{16} -1.692308x_2 -1.307692x_{15} +0.461538x_{12} +1.769231x_5 -1.076923x_6 -2.846154x_7$
z	8.71794871795	$-0.076923x_{16} -1.717949x_2 -0.615385x_{15} -0.410256x_{12} +0.205128x_5 -1.153846x_6 -3.358974x_7$

x_5 enters and x_8 leaves

x_5	0.173913043478	$-0.260870x_{16} -1.021739x_2 +0.456522x_{15} +0.021739x_{12} -0.282609x_8 +1.173913x_6 +1.891304x_7$
x_9	5.1884057971	$+0.217391x_{16} +0.268116x_2 -0.630435x_{15} -0.601449x_{12} +0.485507x_8 -1.478261x_6 +1.007246x_7$
x_{10}	11.115942029	$-0.173913x_{16} -0.681159x_2 +0.304348x_{15} +0.014493x_{12} +0.144928x_8 +0.782609x_6 -2.072464x_7$
x_{11}	11.1304347826	$-0.695652x_{16} -2.891304x_2 +0.717391x_{15} -0.108696x_{12} -0.586957x_8 +1.130435x_6 +2.543478x_7$
x_4	1.08695652174	$-0.130435x_{16} +0.239130x_2 -0.021739x_{15} -0.239130x_{12} +0.108696x_8 +0.086957x_6 +0.195652x_7$
x_{13}	14.2028985507	$-0.304348x_{16} +0.557971x_2 +0.282609x_{15} -0.224638x_{12} -0.746377x_8 +2.869565x_6 +4.123188x_7$
x_{14}	13.6811594203	$+0.478261x_{16} -0.376812x_2 -1.086957x_{15} -0.289855x_{12} +0.101449x_8 -2.652174x_6 -4.550725x_7$
x_3	1.1884057971	$+0.217391x_{16} -0.231884x_2 -0.130435x_{15} -0.101449x_{12} -0.014493x_8 -0.478261x_6 -0.492754x_7$
x_1	2.69565217391	$-0.043478x_{16} -0.086957x_2 -0.173913x_{15} +0.086957x_{12} -0.130435x_8 -0.304348x_6 -0.434783x_7$
x_{17}	19.0	$-0.000000x_{16} -3.500000x_2 -0.500000x_{15} +0.500000x_{12} -0.500000x_8 +1.000000x_6 +0.500000x_7$
z	8.75362318841	$-0.130435x_{16} -1.927536x_2 -0.521739x_{15} -0.405797x_{12} -0.057971x_8 -0.913043x_6 -2.971014x_7$

x_{-1} enters and Final Dictionary Solution: 8.75362318841 Num Pivots: 4