x_8	15.0		$-2.000000x_2$	$-3.000000x_3$	$+3.000000x_4$	$-2.000000x_5$	$-2.000000x_6$ $-3.000000x_7$
x_9	13.0		$+2.000000x_2$		$-2.000000x_4$	$+3.000000x_5$	$+1.000000x_6$ $+3.000000x_7$
x_{10}	1.0		$+1.000000x_2$	$-3.000000x_3$	$+1.000000x_4$	$+1.000000x_5$	$+1.000000x_6$ $-3.000000x_7$
x_{11}	6.0	$-3.000000x_1$	$-2.000000x_2$	$-3.000000x_3$	$+3.000000x_4$	$-2.000000x_5$	$-1.000000x_6$ $-2.000000x_7$
x_{12}	12.0	$-3.000000x_1$	$+2.000000x_2$	$+3.000000x_3$	$+3.000000x_4$	$+2.000000x_5$	$+1.000000x_6$ $+1.000000x_7$
x_{13}	14.0	$-2.000000x_1$	$-2.000000x_2$	$-3.000000x_3$	$-3.000000x_4$		$+1.000000x_6$ $+1.000000x_7$
x_{14}	5.0	$+1.000000x_1$	$-3.000000x_2$	$+1.000000x_3$	$+2.000000x_4$	$+1.000000x_5$	$+2.000000x_6$ $-2.000000x_7$
x_{15}	11.0	$+2.000000x_1$	$-2.000000x_2$		$+3.000000x_4$	$+1.000000x_5$	
x_{16}	11.0	$-2.000000x_1$	$-2.000000x_2$	$-2.000000x_3$	$-2.000000x_4$	$+1.000000x_5$	$-2.000000x_6$ $-3.000000x_7$
x_{17}	7.0		$+1.000000x_2$	$+1.000000x_3$		$-1.000000x_5$	$+3.000000x_6$ $+3.000000x_7$
z	0.0		$+2.000000x_2$	$-2.000000x_3$		$-1.000000x_5$	$-2.000000x_7$

No initialization required –¿ Proceed to Optimize.

x_8	15.0		$-2.000000x_2$	$-3.000000x_3$	$+3.000000x_4$	$-2.000000x_5$	$-2.000000x_6$ $-3.000000x_7$
x_9	13.0		$+2.000000x_2$		$-2.000000x_4$	$+3.000000x_5$	$+1.000000x_6$ $+3.000000x_7$
x_{10}	1.0		$+1.000000x_2$	$-3.000000x_3$	$+1.000000x_4$	$+1.000000x_5$	$+1.000000x_6$ $-3.000000x_7$
x_{11}	6.0	$-3.000000x_1$	$-2.000000x_2$	$-3.000000x_3$	$+3.000000x_4$	$-2.000000x_5$	$-1.000000x_6$ $-2.000000x_7$
x_{12}	12.0	$-3.000000x_1$	$+2.000000x_2$	$+3.000000x_3$	$+3.000000x_4$	$+2.000000x_5$	$+1.000000x_6$ $+1.000000x_7$
x_{13}	14.0	$-2.000000x_1$	$-2.000000x_2$	$-3.000000x_3$	$-3.000000x_4$		$+1.000000x_6$ $+1.000000x_7$
x_{14}	5.0	$+1.000000x_1$	$-3.000000x_2$	$+1.000000x_3$	$+2.000000x_4$	$+1.000000x_5$	$+2.000000x_6$ $-2.000000x_7$
x_{15}	11.0	$+2.000000x_1$	$-2.000000x_2$		$+3.000000x_4$	$+1.000000x_5$	
x_{16}	11.0	$-2.000000x_1$	$-2.000000x_2$	$-2.000000x_3$	$-2.000000x_4$	$+1.000000x_5$	$-2.000000x_6$ $-3.000000x_7$
x_{17}	7.0		$+1.000000x_2$	$+1.000000x_3$		$-1.000000x_5$	$+3.000000x_6$ $+3.000000x_7$
z	0.0		$+2.000000x_2$	$-2.000000x_3$		$-1.000000x_5$	$-2.000000x_7$

x_2 enters and x_{14} leaves

x_8	11.6666666667	$-0.666667x_1$	$+0.666667x_{14}$	$-3.666667x_3$	$+1.666667x_4$	$-2.666667x_5$	$-3.333333x_6$ $-1.666667x_7$
x_9	16.3333333333	$+0.666667x_1$	$-0.666667x_{14}$	$+0.666667x_3$	$-0.666667x_4$	$+3.666667x_5$	$+2.333333x_6$ $+1.666667x_7$
x_{10}	2.66666666667	$+0.333333x_1$	$-0.333333x_{14}$	$-2.666667x_3$	$+1.666667x_4$	$+1.333333x_5$	$+1.666667x_6$ $-3.666667x_7$
x_{11}	2.66666666667	$-3.666667x_1$	$+0.666667x_{14}$	$-3.666667x_3$	$+1.666667x_4$	$-2.666667x_5$	$-2.333333x_6$ $-0.666667x_7$
x_{12}	15.3333333333	$-2.333333x_1$	$-0.666667x_{14}$	$+3.666667x_3$	$+4.333333x_4$	$+2.666667x_5$	$+2.333333x_6$ $-0.333333x_7$
x_{13}	10.6666666667	$-2.666667x_1$	$+0.666667x_{14}$	$-3.666667x_3$	$-4.333333x_4$	$-0.666667x_5$	$-0.333333x_6$ $+2.333333x_7$
x_2	1.66666666667	$+0.333333x_1$	$-0.333333x_{14}$	$+0.333333x_3$	$+0.666667x_4$	$+0.333333x_5$	$+0.666667x_6$ $-0.666667x_7$
x_{15}	7.66666666667	$+1.333333x_1$	$+0.666667x_{14}$	$-0.666667x_3$	$+1.666667x_4$	$+0.333333x_5$	$-1.333333x_6$ $+1.333333x_7$
x_{16}	7.66666666667	$-2.666667x_1$	$+0.666667x_{14}$	$-2.666667x_3$	$-3.333333x_4$	$+0.333333x_5$	$-3.333333x_6$ $-1.666667x_7$
x_{17}	8.66666666667	$+0.333333x_1$	$-0.333333x_{14}$	$+1.333333x_3$	$+0.666667x_4$	$-0.666667x_5$	$+3.666667x_6$ $+2.333333x_7$
z	3.33333333333	$+0.666667x_1$	$-0.666667x_{14}$	$-1.333333x_3$	$+1.333333x_4$	$-0.333333x_5$	$+1.333333x_6$ $-3.333333x_7$

x_1 enters and x_{11} leaves

x_8	11.1818181818	$+0.181818x_{11}$	$+0.545455x_{14}$	$-3.000000x_3$	$+1.363636x_4$	$-2.181818x_5$	$-2.909091x_6$	$-1.545455x_7$
x_9	16.8181818182	$-0.181818x_{11}$	$-0.545455x_{14}$		$-0.363636x_4$	$+3.181818x_5$	$+1.909091x_6$	$+1.545455x_7$
x_{10}	2.90909090909	$-0.090909x_{11}$	$-0.272727x_{14}$	$-3.000000x_3$	$+1.818182x_4$	$+1.090909x_5$	$+1.454545x_6$	$-3.727273x_7$
x_1	0.727272727273	$-0.272727x_{11}$	$+0.181818x_{14}$	$-1.000000x_3$	$+0.454545x_4$	$-0.727273x_5$	$-0.636364x_6$	$-0.181818x_7$
x_{12}	13.6363636364	$+0.636364x_{11}$	$-1.090909x_{14}$	$+6.000000x_3$	$+3.272727x_4$	$+4.363636x_5$	$+3.818182x_6$	$+0.090909x_7$
x_{13}	8.72727272727	$+0.727273x_{11}$	$+0.181818x_{14}$	$-1.000000x_3$	$-5.545455x_4$	$+1.272727x_5$	$+1.363636x_6$	$+2.818182x_7$
x_2	1.90909090909	$-0.090909x_{11}$	$-0.272727x_{14}$		$+0.818182x_4$	$+0.090909x_5$	$+0.454545x_6$	$-0.727273x_7$
x_{15}	8.63636363636	$-0.363636x_{11}$	$+0.909091x_{14}$	$-2.000000x_3$	$+2.272727x_4$	$-0.636364x_5$	$-2.181818x_6$	$+1.090909x_7$
x_{16}	5.72727272727	$+0.727273x_{11}$	$+0.181818x_{14}$		$-4.545455x_4$	$+2.272727x_5$	$-1.636364x_6$	$-1.181818x_7$
x_{17}	8.90909090909	$-0.090909x_{11}$	$-0.272727x_{14}$	$+1.000000x_3$	$+0.818182x_4$	$-0.909091x_5$	$+3.454545x_6$	$+2.272727x_7$
z	3.81818181818	$-0.181818x_{11}$	$-0.545455x_{14}$	$-2.000000x_3$	$+1.636364x_4$	$-0.818182x_5$	$+0.909091x_6$	$-3.454545x_7$

x_4 enters and x_{16} leaves

x_8	12.9	$+0.400000x_{11}$	$+0.600000x_{14}$	$-3.000000x_3$	$-0.300000x_{16}$	$-1.500000x_5$	$-3.400000x_6$	$-1.900000x_7$
x_9	16.36	$-0.240000x_{11}$	$-0.560000x_{14}$		$+0.080000x_{16}$	$+3.000000x_5$	$+2.040000x_6$	$+1.640000x_7$
x_{10}	5.2	$+0.200000x_{11}$	$-0.200000x_{14}$	$-3.000000x_3$	$-0.400000x_{16}$	$+2.000000x_5$	$+0.800000x_6$	$-4.200000x_7$
x_1	1.3	$-0.200000x_{11}$	$+0.200000x_{14}$	$-1.000000x_3$	$-0.100000x_{16}$	$-0.500000x_5$	$-0.800000x_6$	$-0.300000x_7$
x_{12}	17.76	$+1.160000x_{11}$	$-0.960000x_{14}$	$+6.000000x_3$	$-0.720000x_{16}$	$+6.000000x_5$	$+2.640000x_6$	$-0.760000x_7$
x_{13}	1.74	$-0.160000x_{11}$	$-0.040000x_{14}$	$-1.000000x_3$	$+1.220000x_{16}$	$-1.500000x_5$	$+3.360000x_6$	$+4.260000x_7$
x_2	2.94	$+0.040000x_{11}$	$-0.240000x_{14}$		$-0.180000x_{16}$	$+0.500000x_5$	$+0.160000x_6$	$-0.940000x_7$
x_{15}	11.5	$+0.000000x_{11}$	$+1.000000x_{14}$	$-2.000000x_3$	$-0.500000x_{16}$	$+0.500000x_5$	$-3.000000x_6$	$+0.500000x_7$
x_4	1.26	$+0.160000x_{11}$	$+0.040000x_{14}$		$-0.220000x_{16}$	$+0.500000x_5$	$-0.360000x_6$	$-0.260000x_7$
x_{17}	9.94	$+0.040000x_{11}$	$-0.240000x_{14}$	$+1.000000x_3$	$-0.180000x_{16}$	$-0.500000x_5$	$+3.160000x_6$	$+2.060000x_7$
z	5.88	$+0.080000x_{11}$	$-0.480000x_{14}$	$-2.000000x_3$	$-0.360000x_{16}$	$+0.000000x_5$	$+0.320000x_6$	$-3.880000x_7$

x_5 enters and x_{13} leaves

x_8	11.16	$+0.560000x_{11}$	$+0.640000x_{14}$	$-2.000000x_3$	$-1.520000x_{16}$	$+1.000000x_{13}$	$-6.760000x_6$	$-6.160000x_7$
x_9	19.84	$-0.560000x_{11}$	$-0.640000x_{14}$	$-2.000000x_3$	$+2.520000x_{16}$	$-2.000000x_{13}$	$+8.760000x_6$	$+10.160000x_7$
x_{10}	7.52	$-0.013333x_{11}$	$-0.253333x_{14}$	$-4.333333x_3$	$+1.226667x_{16}$	$-1.333333x_{13}$	$+5.280000x_6$	$+1.480000x_7$
x_1	0.72	$-0.146667x_{11}$	$+0.213333x_{14}$	$-0.666667x_3$	$-0.506667x_{16}$	$+0.333333x_{13}$	$-1.920000x_6$	$-1.720000x_7$
x_{12}	24.72	$+0.520000x_{11}$	$-1.120000x_{14}$	$+2.000000x_3$	$+4.160000x_{16}$	$-4.000000x_{13}$	$+16.080000x_6$	$+16.280000x_7$
x_5	1.16	$-0.106667x_{11}$	$-0.026667x_{14}$	$-0.666667x_3$	$+0.813333x_{16}$	$-0.666667x_{13}$	$+2.240000x_6$	$+2.840000x_7$
x_2	3.52	$-0.013333x_{11}$	$-0.253333x_{14}$	$-0.333333x_3$	$+0.226667x_{16}$	$-0.333333x_{13}$	$+1.280000x_6$	$+0.480000x_7$
x_{15}	12.08	$-0.053333x_{11}$	$+0.986667x_{14}$	$-2.333333x_3$	$-0.093333x_{16}$	$-0.333333x_{13}$	$-1.880000x_6$	$+1.920000x_7$
x_4	1.84	$+0.106667x_{11}$	$+0.026667x_{14}$	$-0.333333x_3$	$+0.186667x_{16}$	$-0.333333x_{13}$	$+0.760000x_6$	$+1.160000x_7$
x_{17}	9.36	$+0.093333x_{11}$	$-0.226667x_{14}$	$+1.333333x_3$	$-0.586667x_{16}$	$+0.333333x_{13}$	$+2.040000x_6$	$+0.640000x_7$
z	5.88	$+0.080000x_{11}$	$-0.480000x_{14}$	$-2.000000x_3$	$-0.360000x_{16}$	$-0.000000x_{13}$	$+0.320000x_6$	$-3.880000x_7$

x_6 enters and x_1 leaves

x_8	8.625	$+1.076389x_{11} -0.111111x_{14} +0.347222x_3 +0.263889x_{16} -0.173611x_{13} +3.520833x_1 -0.104167x_7$
x_9	23.125	$-1.229167x_{11} +0.333333x_{14} -5.041667x_3 +0.208333x_{16} -0.479167x_{13} -4.562500x_1 +2.312500x_7$
x_{10}	9.5	$-0.416667x_{11} +0.333333x_{14} -6.166667x_3 -0.166667x_{16} -0.416667x_{13} -2.750000x_1 -3.250000x_7$
x_6	0.375	$-0.076389x_{11} +0.111111x_{14} -0.347222x_3 -0.263889x_{16} +0.173611x_{13} -0.520833x_1 -0.895833x_7$
x_{12}	30.75	$-0.708333x_{11} +0.666667x_{14} -3.583333x_3 -0.083333x_{16} -1.208333x_{13} -8.375000x_1 +1.875000x_7$
x_5	2.0	$-0.277778x_{11} +0.222222x_{14} -1.444444x_3 +0.222222x_{16} -0.277778x_{13} -1.166667x_1 +0.833333x_7$
x_2	4.0	$-0.111111x_{11} -0.111111x_{14} -0.777778x_3 -0.111111x_{16} -0.111111x_{13} -0.666667x_1 -0.666667x_7$
x_{15}	11.375	$+0.090278x_{11} +0.777778x_{14} -1.680556x_3 +0.402778x_{16} -0.659722x_{13} +0.979167x_1 +3.604167x_7$
x_4	2.125	$+0.048611x_{11} +0.111111x_{14} -0.597222x_3 -0.013889x_{16} -0.201389x_{13} -0.395833x_1 +0.479167x_7$
x_{17}	10.125	$-0.062500x_{11} +0.000000x_{14} +0.625000x_3 -1.125000x_{16} +0.687500x_{13} -1.062500x_1 -1.187500x_7$
z	6.0	$+0.055556x_{11} -0.444444x_{14} -2.111111x_3 -0.444444x_{16} +0.055556x_{13} -0.166667x_1 -4.166667x_7$

x_{11} enters and x_6 leaves

x_8	13.9090909091	$-14.090909x_6 +1.454545x_{14} -4.545455x_3 -3.454545x_{16} +2.272727x_{13} -3.818182x_1 -12.727273x_7$
x_9	17.0909090909	$+16.090909x_6 -1.454545x_{14} +0.545455x_3 +4.454545x_{16} -3.272727x_{13} +3.818182x_1 +16.727273x_7$
x_{10}	7.45454545455	$+5.454545x_6 -0.272727x_{14} -4.272727x_3 +1.272727x_{16} -1.363636x_{13} +0.090909x_1 +1.636364x_7$
x_{11}	4.90909090909	$-13.090909x_6 +1.454545x_{14} -4.545455x_3 -3.454545x_{16} +2.272727x_{13} -6.818182x_1 -11.727273x_7$
x_{12}	27.2727272727	$+9.272727x_6 -0.363636x_{14} -0.363636x_3 +2.363636x_{16} -2.818182x_{13} -3.545455x_1 +10.181818x_7$
x_5	0.636363636364	$+3.636364x_6 -0.181818x_{14} -0.181818x_3 +1.181818x_{16} -0.909091x_{13} +0.727273x_1 +4.090909x_7$
x_2	3.45454545455	$+1.454545x_6 -0.272727x_{14} -0.272727x_3 +0.272727x_{16} -0.363636x_{13} +0.090909x_1 +0.636364x_7$
x_{15}	11.8181818182	$-1.181818x_6 +0.909091x_{14} -2.090909x_3 +0.090909x_{16} -0.454545x_{13} +0.363636x_1 +2.545455x_7$
x_4	2.36363636364	$-0.636364x_6 +0.181818x_{14} -0.818182x_3 -0.181818x_{16} -0.090909x_{13} -0.727273x_1 -0.090909x_7$
x_{17}	9.81818181818	$+0.818182x_6 -0.090909x_{14} +0.909091x_3 -0.909091x_{16} +0.545455x_{13} -0.636364x_1 -0.454545x_7$
z	6.27272727273	$-0.727273x_6 -0.363636x_{14} -2.363636x_3 -0.636364x_{16} +0.181818x_{13} -0.545455x_1 -4.818182x_7$

x_{13} enters and x_5 leaves

x_8	15.5	$-5.000000x_6 +1.000000x_{14} -5.000000x_3 -0.500000x_{16} -2.500000x_5 -2.000000x_1 -2.500000x_7$
x_9	14.8	$+3.000000x_6 -0.800000x_{14} +1.200000x_3 +0.200000x_{16} +3.600000x_5 +1.200000x_1 +2.000000x_7$
x_{10}	6.5	$-0.000000x_6 +0.000000x_{14} -4.000000x_3 -0.500000x_{16} +1.500000x_5 -1.000000x_1 -4.500000x_7$
x_{11}	6.5	$-4.000000x_6 +1.000000x_{14} -5.000000x_3 -0.500000x_{16} -2.500000x_5 -5.000000x_1 -1.500000x_7$
x_{12}	25.3	$-2.000000x_6 +0.200000x_{14} +0.200000x_3 -1.300000x_{16} +3.100000x_5 -5.800000x_1 -2.500000x_7$
x_{13}	0.7	$+4.000000x_6 -0.200000x_{14} -0.200000x_3 +1.300000x_{16} -1.100000x_5 +0.800000x_1 +4.500000x_7$
x_2	3.2	$-0.000000x_6 -0.200000x_{14} -0.200000x_3 -0.200000x_{16} +0.400000x_5 -0.200000x_1 -1.000000x_7$
x_{15}	11.5	$-3.000000x_6 +1.000000x_{14} -2.000000x_3 -0.500000x_{16} +0.500000x_5 -0.000000x_1 +0.500000x_7$
x_4	2.3	$-1.000000x_6 +0.200000x_{14} -0.800000x_3 -0.300000x_{16} +0.100000x_5 -0.800000x_1 -0.500000x_7$
x_{17}	10.2	$+3.000000x_6 -0.200000x_{14} +0.800000x_3 -0.200000x_{16} -0.600000x_5 -0.200000x_1 +2.000000x_7$
z	6.4	$-0.400000x_{14} -2.400000x_3 -0.400000x_{16} -0.200000x_5 -0.400000x_1 -4.000000x_7$

x_{-1} enters and Final Dictionary Solution: 6.4 Num Pivots: 7