x_8	4.0	$-3.000000x_1$	$-2.000000x_2$	$+2.000000x_3$	$-1.000000x_4$	$+3.000000x_5$	$+1.000000x_6$	$+3.000000x_7$
x_9	13.0	$+3.000000x_1$		$-3.000000x_3$	$-3.000000x_4$	$+1.000000x_5$	$+3.000000x_6$	$-2.000000x_7$
x_{10}	15.0	$-1.000000x_1$	$+2.000000x_2$	$+2.000000x_3$	$+3.000000x_4$	$+1.000000x_5$		$+1.000000x_7$
x_{11}	2.0	$-3.000000x_1$	$-2.000000x_2$	$+2.000000x_3$		$-3.000000x_5$	$-1.000000x_6$	$-1.000000x_7$
x_{12}	2.0		$-3.000000x_2$	$-2.000000x_3$	$+2.000000x_4$	$+2.000000x_5$	$-3.000000x_6$	$+3.000000x_7$
x_{13}	13.0	$+1.000000x_1$	$+1.000000x_2$	$+1.000000x_3$	$+2.000000x_4$	$+2.000000x_5$	$+1.000000x_6$	
x_{14}	3.0	$+2.000000x_1$	$-1.000000x_2$		$+3.000000x_4$	$+1.000000x_5$	$-3.000000x_6$	$+2.000000x_7$
x_{15}	9.0		$-1.000000x_2$	$-3.000000x_3$	$-2.000000x_4$	$-3.000000x_5$	$-3.000000x_6$	$+2.000000x_7$
x_{16}	3.0	$-1.000000x_1$	$-2.000000x_2$	$+1.000000x_3$	$-1.000000x_4$	$-1.000000x_5$	$-3.000000x_6$	$+2.000000x_7$
x_{17}	12.0	$-1.000000x_1$	$+3.000000x_2$	$+1.000000x_3$			$-1.000000x_6$	
z	0.0	$+1.000000x_1$	$-1.000000x_2$	$+2.000000x_3$		$-1.000000x_5$	$+1.000000x_6$	$+1.000000x_7$

No initialization required –¿ Proceed to Optimize.

x_8	4.0	$-3.000000x_1$	$-2.000000x_2$	$+2.000000x_3$	$-1.000000x_4$	$+3.000000x_5$	$+1.000000x_6$	$+3.000000x_7$
x_9	13.0	$+3.000000x_1$		$-3.000000x_3$	$-3.000000x_4$	$+1.000000x_5$	$+3.000000x_6$	$-2.000000x_7$
x_{10}	15.0	$-1.000000x_1$	$+2.000000x_2$	$+2.000000x_3$	$+3.000000x_4$	$+1.000000x_5$		$+1.000000x_7$
x_{11}	2.0	$-3.000000x_1$	$-2.000000x_2$	$+2.000000x_3$		$-3.000000x_5$	$-1.000000x_6$	$-1.000000x_7$
x_{12}	2.0		$-3.000000x_2$	$-2.000000x_3$	$+2.000000x_4$	$+2.000000x_5$	$-3.000000x_6$	$+3.000000x_7$
x_{13}	13.0	$+1.000000x_1$	$+1.000000x_2$	$+1.000000x_3$	$+2.000000x_4$	$+2.000000x_5$	$+1.000000x_6$	
x_{14}	3.0	$+2.000000x_1$	$-1.000000x_2$		$+3.000000x_4$	$+1.000000x_5$	$-3.000000x_6$	$+2.000000x_7$
x_{15}	9.0		$-1.000000x_2$	$-3.000000x_3$	$-2.000000x_4$	$-3.000000x_5$	$-3.000000x_6$	$+2.000000x_7$
x_{16}	3.0	$-1.000000x_1$	$-2.000000x_2$	$+1.000000x_3$	$-1.000000x_4$	$-1.000000x_5$	$-3.000000x_6$	$+2.000000x_7$
x_{17}	12.0	$-1.000000x_1$	$+3.000000x_2$	$+1.000000x_3$			$-1.000000x_6$	
z	0.0	$+1.000000x_1$	$-1.000000x_2$	$+2.000000x_3$		$-1.000000x_5$	$+1.000000x_6$	$+1.000000x_7$

x_1 enters and x_{11} leaves

x_8	2.0	$+1.000000x_{11}$			$-1.000000x_4$	$+6.000000x_5$	$+2.000000x_6$	$+4.000000x_7$
x_9	15.0	$-1.000000x_{11}$	$-2.000000x_2$	$-1.000000x_3$	$-3.000000x_4$	$-2.000000x_5$	$+2.000000x_6$	$-3.000000x_7$
x_{10}	14.3333333333	$+0.333333x_{11}$	$+2.666667x_2$	$+1.333333x_3$	$+3.000000x_4$	$+2.000000x_5$	$+0.333333x_6$	$+1.333333x_7$
x_1	0.666666666667	$-0.333333x_{11}$	$-0.666667x_2$	$+0.666667x_3$		$-1.000000x_5$	$-0.333333x_6$	$-0.333333x_7$
x_{12}	2.0		$-3.000000x_2$	$-2.000000x_3$	$+2.000000x_4$	$+2.000000x_5$	$-3.000000x_6$	$+3.000000x_7$
x_{13}	13.6666666667	$-0.333333x_{11}$	$+0.333333x_2$	$+1.666667x_3$	$+2.000000x_4$	$+1.000000x_5$	$+0.666667x_6$	$-0.333333x_7$
x_{14}	4.33333333333	$-0.666667x_{11}$	$-2.333333x_2$	$+1.333333x_3$	$+3.000000x_4$	$-1.000000x_5$	$-3.666667x_6$	$+1.333333x_7$
x_{15}	9.0		$-1.000000x_2$	$-3.000000x_3$	$-2.000000x_4$	$-3.000000x_5$	$-3.000000x_6$	$+2.000000x_7$
x_{16}	2.33333333333	$+0.333333x_{11}$	$-1.333333x_2$	$+0.333333x_3$	$-1.000000x_4$		$-2.666667x_6$	$+2.333333x_7$
x_{17}	11.3333333333	$+0.333333x_{11}$	$+3.666667x_2$	$+0.333333x_3$		$+1.000000x_5$	$-0.666667x_6$	$+0.333333x_7$
z	0.666666666667	$-0.333333x_{11}$	$-1.666667x_2$	$+2.666667x_3$		$-2.000000x_5$	$+0.666667x_6$	$+0.666667x_7$

x_3 enters and x_{12} leaves

x_8	2.0	$+1.000000x_{11}$			$-1.000000x_4$	$+6.000000x_5$	$+2.000000x_6$ $+4.000000x_7$
x_9	14.0	$-1.000000x_{11}$	$-0.500000x_2$	$+0.500000x_{12}$	$-4.000000x_4$	$-3.000000x_5$	$+3.500000x_6$ $-4.500000x_7$
x_{10}	15.6666666667	$+0.333333x_{11}$	$+0.666667x_2$	$-0.666667x_{12}$	$+4.333333x_4$	$+3.333333x_5$	$-1.666667x_6$ $+3.333333x_7$
x_1	1.33333333333	$-0.333333x_{11}$	$-1.666667x_2$	$-0.333333x_{12}$	$+0.666667x_4$	$-0.333333x_5$	$-1.333333x_6$ $+0.666667x_7$
x_3	1.0		$-1.500000x_2$	$-0.500000x_{12}$	$+1.000000x_4$	$+1.000000x_5$	$-1.500000x_6$ $+1.500000x_7$
x_{13}	15.3333333333	$-0.333333x_{11}$	$-2.166667x_2$	$-0.833333x_{12}$	$+3.666667x_4$	$+2.666667x_5$	$-1.833333x_6$ $+2.166667x_7$
x_{14}	5.66666666667	$-0.666667x_{11}$	$-4.333333x_2$	$-0.666667x_{12}$	$+4.333333x_4$	$+0.333333x_5$	$-5.666667x_6$ $+3.333333x_7$
x_{15}	6.0		$+3.500000x_2$	$+1.500000x_{12}$	$-5.000000x_4$	$-6.000000x_5$	$+1.500000x_6$ $-2.500000x_7$
x_{16}	2.66666666667	$+0.333333x_{11}$	$-1.833333x_2$	$-0.166667x_{12}$	$-0.666667x_4$	$+0.333333x_5$	$-3.166667x_6$ $+2.833333x_7$
x_{17}	11.6666666667	$+0.333333x_{11}$	$+3.166667x_2$	$-0.166667x_{12}$	$+0.333333x_4$	$+1.333333x_5$	$-1.166667x_6$ $+0.833333x_7$
z	3.33333333333	$-0.333333x_{11}$	$-5.666667x_2$	$-1.333333x_{12}$	$+2.666667x_4$	$+0.666667x_5$	$-3.333333x_6$ $+4.666667x_7$

x_4 enters and x_{15} leaves

x_8	0.8	$+1.000000x_{11}$	$-0.700000x_2$	$-0.300000x_{12}$	$+0.200000x_{15}$	$+7.200000x_5$	$+1.700000x_6$ $+4.500000x_7$
x_9	9.2	$-1.000000x_{11}$	$-3.300000x_2$	$-0.700000x_{12}$	$+0.800000x_{15}$	$+1.800000x_5$	$+2.300000x_6$ $-2.500000x_7$
x_{10}	20.8666666667	$+0.333333x_{11}$	$+3.700000x_2$	$+0.633333x_{12}$	$-0.866667x_{15}$	$-1.866667x_5$	$-0.366667x_6$ $+1.166667x_7$
x_1	2.13333333333	$-0.333333x_{11}$	$-1.200000x_2$	$-0.133333x_{12}$	$-0.133333x_{15}$	$-1.133333x_5$	$-1.133333x_6$ $+0.333333x_7$
x_3	2.2		$-0.800000x_2$	$-0.200000x_{12}$	$-0.200000x_{15}$	$-0.200000x_5$	$-1.200000x_6$ $+1.000000x_7$
x_{13}	19.7333333333	$-0.333333x_{11}$	$+0.400000x_2$	$+0.266667x_{12}$	$-0.733333x_{15}$	$-1.733333x_5$	$-0.733333x_6$ $+0.333333x_7$
x_{14}	10.8666666667	$-0.666667x_{11}$	$-1.300000x_2$	$+0.633333x_{12}$	$-0.866667x_{15}$	$-4.866667x_5$	$-4.366667x_6$ $+1.166667x_7$
x_4	1.2		$+0.700000x_2$	$+0.300000x_{12}$	$-0.200000x_{15}$	$-1.200000x_5$	$+0.300000x_6$ $-0.500000x_7$
x_{16}	1.86666666667	$+0.333333x_{11}$	$-2.300000x_2$	$-0.366667x_{12}$	$+0.133333x_{15}$	$+1.133333x_5$	$-3.366667x_6$ $+3.166667x_7$
x_{17}	12.0666666667	$+0.333333x_{11}$	$+3.400000x_2$	$-0.066667x_{12}$	$-0.066667x_{15}$	$+0.933333x_5$	$-1.066667x_6$ $+0.666667x_7$
z	6.53333333333	$-0.333333x_{11}$	$-3.800000x_2$	$-0.533333x_{12}$	$-0.533333x_{15}$	$-2.533333x_5$	$-2.533333x_6$ $+3.333333x_7$

x_7 enters and x_4 leaves

x_8	11.6	$+1.000000x_{11}$	$+5.600000x_2$	$+2.400000x_{12}$	$-1.600000x_{15}$	$-3.600000x_5$	$+4.400000x_6$ $-9.000000x_4$
x_9	3.2	$-1.000000x_{11}$	$-6.800000x_2$	$-2.200000x_{12}$	$+1.800000x_{15}$	$+7.800000x_5$	$+0.800000x_6$ $+5.000000x_4$
x_{10}	23.6666666667	$+0.333333x_{11}$	$+5.333333x_2$	$+1.333333x_{12}$	$-1.333333x_{15}$	$-4.666667x_5$	$+0.333333x_6$ $-2.333333x_4$
x_1	2.93333333333	$-0.333333x_{11}$	$-0.733333x_2$	$+0.066667x_{12}$	$-0.266667x_{15}$	$-1.933333x_5$	$-0.933333x_6$ $-0.666667x_4$
x_3	4.6		$+0.600000x_2$	$+0.400000x_{12}$	$-0.600000x_{15}$	$-2.600000x_5$	$-0.600000x_6$ $-2.000000x_4$
x_{13}	20.5333333333	$-0.333333x_{11}$	$+0.866667x_2$	$+0.466667x_{12}$	$-0.866667x_{15}$	$-2.533333x_5$	$-0.533333x_6$ $-0.666667x_4$
x_{14}	13.6666666667	$-0.666667x_{11}$	$+0.333333x_2$	$+1.333333x_{12}$	$-1.333333x_{15}$	$-7.666667x_5$	$-3.666667x_6$ $-2.333333x_4$
x_7	2.4		$+1.400000x_2$	$+0.600000x_{12}$	$-0.400000x_{15}$	$-2.400000x_5$	$+0.600000x_6$ $-2.000000x_4$
x_{16}	9.46666666667	$+0.333333x_{11}$	$+2.133333x_2$	$+1.533333x_{12}$	$-1.133333x_{15}$	$-6.466667x_5$	$-1.466667x_6$ $-6.333333x_4$
x_{17}	13.6666666667	$+0.333333x_{11}$	$+4.333333x_2$	$+0.333333x_{12}$	$-0.333333x_{15}$	$-0.666667x_5$	$-0.666667x_6$ $-1.333333x_4$
z	14.5333333333	$-0.333333x_{11}$	$+0.866667x_2$	$+1.466667x_{12}$	$-1.866667x_{15}$	$-10.533333x_5$	$-0.533333x_6$ $-6.666667x_4$

x_2 enters and x_9 leaves

x_8	14.2352941176	$+0.176471x_{11} -0.823529x_9 +0.588235x_{12} -0.117647x_{15} +2.823529x_5 +5.058824x_6 -4.882353x_4$
x_2	0.470588235294	$-0.147059x_{11} -0.147059x_9 -0.323529x_{12} +0.264706x_{15} +1.147059x_5 +0.117647x_6 +0.735294x_4$
x_{10}	26.1764705882	$-0.450980x_{11} -0.784314x_9 -0.392157x_{12} +0.078431x_{15} +1.450980x_5 +0.960784x_6 +1.588235x_4$
x_1	2.58823529412	$-0.225490x_{11} +0.107843x_9 +0.303922x_{12} -0.460784x_{15} -2.774510x_5 -1.019608x_6 -1.205882x_4$
x_3	4.88235294118	$-0.088235x_{11} -0.088235x_9 +0.205882x_{12} -0.441176x_{15} -1.911765x_5 -0.529412x_6 -1.558824x_4$
x_{13}	20.9411764706	$-0.460784x_{11} -0.127451x_9 +0.186275x_{12} -0.637255x_{15} -1.539216x_5 -0.431373x_6 -0.029412x_4$
x_{14}	13.8235294118	$-0.715686x_{11} -0.049020x_9 +1.225490x_{12} -1.245098x_{15} -7.284314x_5 -3.627451x_6 -2.088235x_4$
x_7	3.05882352941	$-0.205882x_{11} -0.205882x_9 +0.147059x_{12} -0.029412x_{15} -0.794118x_5 +0.764706x_6 -0.970588x_4$
x_{16}	10.4705882353	$+0.019608x_{11} -0.313725x_9 +0.843137x_{12} -0.568627x_{15} -4.019608x_5 -1.215686x_6 -4.764706x_4$
x_{17}	15.7058823529	$-0.303922x_{11} -0.637255x_9 -1.068627x_{12} +0.813725x_{15} +4.303922x_5 -0.156863x_6 +1.852941x_4$
z	14.9411764706	$-0.460784x_{11} -0.127451x_9 +1.186275x_{12} -1.637255x_{15} -9.539216x_5 -0.431373x_6 -6.029412x_4$

x_{12} enters and x_2 leaves

x_8	15.0909090909	$-0.090909x_{11} -1.090909x_9 -1.818182x_2 +0.363636x_{15} +4.909091x_5 +5.272727x_6 -3.545455x_4$
x_{12}	1.45454545455	$-0.454545x_{11} -0.454545x_9 -3.090909x_2 +0.818182x_{15} +3.545455x_5 +0.363636x_6 +2.272727x_4$
x_{10}	25.6060606061	$-0.272727x_{11} -0.606061x_9 +1.212121x_2 -0.242424x_{15} +0.060606x_5 +0.818182x_6 +0.696970x_4$
x_1	3.0303030303	$-0.363636x_{11} -0.030303x_9 -0.939394x_2 -0.212121x_{15} -1.696970x_5 -0.909091x_6 -0.515152x_4$
x_3	5.18181818182	$-0.181818x_{11} -0.181818x_9 -0.636364x_2 -0.272727x_{15} -1.181818x_5 -0.454545x_6 -1.090909x_4$
x_{13}	21.2121212121	$-0.545455x_{11} -0.212121x_9 -0.575758x_2 -0.484848x_{15} -0.878788x_5 -0.363636x_6 +0.393939x_4$
x_{14}	15.6060606061	$-1.272727x_{11} -0.606061x_9 -3.787879x_2 -0.242424x_{15} -2.939394x_5 -3.181818x_6 +0.696970x_4$
x_7	3.27272727273	$-0.272727x_{11} -0.272727x_9 -0.454545x_2 +0.090909x_{15} -0.272727x_5 +0.818182x_6 -0.636364x_4$
x_{16}	11.696969697	$-0.363636x_{11} -0.696970x_9 -2.606061x_2 +0.121212x_{15} -1.030303x_5 -0.909091x_6 -2.848485x_4$
x_{17}	14.1515151515	$+0.181818x_{11} -0.151515x_9 +3.303030x_2 -0.060606x_{15} +0.515152x_5 -0.545455x_6 -0.575758x_4$
z	16.6666666667	$-1.000000x_{11} -0.666667x_9 -3.666667x_2 -0.666667x_{15} -5.333333x_5 +0.000000x_6 -3.333333x_4$

x_6 enters and x_1 leaves

x_8	32.6666666667	$-2.200000x_{11} -1.266667x_9 -7.266667x_2 -0.866667x_{15} -4.933333x_5 -5.800000x_1 -6.533333x_4$
x_{12}	2.66666666667	$-0.600000x_{11} -0.466667x_9 -3.466667x_2 +0.733333x_{15} +2.866667x_5 -0.400000x_1 +2.066667x_4$
x_{10}	28.3333333333	$-0.600000x_{11} -0.633333x_9 +0.366667x_2 -0.433333x_{15} -1.466667x_5 -0.900000x_1 +0.233333x_4$
x_6	3.33333333333	$-0.400000x_{11} -0.033333x_9 -1.033333x_2 -0.233333x_{15} -1.866667x_5 -1.100000x_1 -0.566667x_4$
x_3	3.66666666667	$+0.000000x_{11} -0.166667x_9 -0.166667x_2 -0.166667x_{15} -0.333333x_5 +0.500000x_1 -0.833333x_4$
x_{13}	20.0	$-0.400000x_{11} -0.200000x_9 -0.200000x_2 -0.400000x_{15} -0.200000x_5 +0.400000x_1 +0.600000x_4$
x_{14}	5.0	$-0.500000x_9 -0.500000x_2 +0.500000x_{15} +3.000000x_5 +3.500000x_1 +2.500000x_4$
x_7	6.0	$-0.600000x_{11} -0.300000x_9 -1.300000x_2 -0.100000x_{15} -1.800000x_5 -0.900000x_1 -1.100000x_4$
x_{16}	8.66666666667	$-0.000000x_{11} -0.666667x_9 -1.666667x_2 +0.333333x_{15} +0.666667x_5 +1.000000x_1 -2.333333x_4$
x_{17}	12.3333333333	$+0.400000x_{11} -0.133333x_9 +3.866667x_2 +0.066667x_{15} +1.533333x_5 +0.600000x_1 -0.266667x_4$
z	16.6666666667	$-1.000000x_{11} -0.666667x_9 -3.666667x_2 -0.666667x_{15} -5.333333x_5 -0.000000x_1 -3.333333x_4$

x_{-1} enters and Final Dictionary Solution: 16.6666666667 Num Pivots: 7