x_8	6.0	$+2.000000x_1$	$-3.000000x_2$	$+1.000000x_3$	$+3.000000x_4$	$+2.000000x_5$	$-2.000000x_6$	$+3.000000x_7$
x_9	5.0	$-3.000000x_1$		$+1.000000x_3$	$-1.000000x_4$	$+1.000000x_5$	$-2.000000x_6$	$+1.000000x_7$
x_{10}	9.0	$-1.000000x_1$	$-1.000000x_2$			$-2.000000x_5$		$-2.000000x_7$
x_{11}	10.0	$+3.000000x_1$	$-1.000000x_2$	$-2.000000x_3$	$+3.000000x_4$	$-1.000000x_5$	$-1.000000x_6$	$+3.000000x_7$
x_{12}	14.0	$-1.000000x_1$		$+1.000000x_3$	$-1.000000x_4$		$+2.000000x_6$	
x_{13}	2.0	$+1.000000x_1$		$-2.000000x_3$	$+3.000000x_4$	$+3.000000x_5$		$-1.000000x_7$
x_{14}	1.0		$-1.000000x_2$	$+3.000000x_3$		$-2.000000x_5$	$-3.000000x_6$	$+3.000000x_7$
x_{15}	4.0	$+1.000000x_1$	$+1.000000x_2$	$-3.000000x_3$	$+3.000000x_4$	$+2.000000x_5$	$+2.000000x_6$	$+2.000000x_7$
x_{16}	14.0		$+2.000000x_2$	$+3.000000x_3$	$+3.000000x_4$	$-2.000000x_5$	$-1.000000x_6$	$+3.000000x_7$
x_{17}	5.0	$+2.000000x_1$	$-2.000000x_2$	$+2.000000x_3$	$-2.000000x_4$	$-2.000000x_5$	$+1.000000x_6$	$-1.000000x_7$
z	0.0	$+2.000000x_1$	$+1.000000x_2$	$-2.000000x_3$	$+2.000000x_4$	$+1.000000x_5$	$-1.000000x_6$	$-2.000000x_7$

No initialization required –¿ Proceed to Optimize.

x_8	6.0	$+2.000000x_1$	$-3.000000x_2$	$+1.000000x_3$	$+3.000000x_4$	$+2.000000x_5$	$-2.000000x_6$	$+3.000000x_7$
x_9	5.0	$-3.000000x_1$		$+1.000000x_3$	$-1.000000x_4$	$+1.000000x_5$	$-2.000000x_6$	$+1.000000x_7$
x_{10}	9.0	$-1.000000x_1$	$-1.000000x_2$			$-2.000000x_5$		$-2.000000x_7$
x_{11}	10.0	$+3.000000x_1$	$-1.000000x_2$	$-2.000000x_3$	$+3.000000x_4$	$-1.000000x_5$	$-1.000000x_6$	$+3.000000x_7$
x_{12}	14.0	$-1.000000x_1$		$+1.000000x_3$	$-1.000000x_4$		$+2.000000x_6$	
x_{13}	2.0	$+1.000000x_1$		$-2.000000x_3$	$+3.000000x_4$	$+3.000000x_5$		$-1.000000x_7$
x_{14}	1.0		$-1.000000x_2$	$+3.000000x_3$		$-2.000000x_5$	$-3.000000x_6$	$+3.000000x_7$
x_{15}	4.0	$+1.000000x_1$	$+1.000000x_2$	$-3.000000x_3$	$+3.000000x_4$	$+2.000000x_5$	$+2.000000x_6$	$+2.000000x_7$
x_{16}	14.0		$+2.000000x_2$	$+3.000000x_3$	$+3.000000x_4$	$-2.000000x_5$	$-1.000000x_6$	$+3.000000x_7$
x_{17}	5.0	$+2.000000x_1$	$-2.000000x_2$	$+2.000000x_3$	$-2.000000x_4$	$-2.000000x_5$	$+1.000000x_6$	$-1.000000x_7$
z	0.0	$+2.000000x_1$	$+1.000000x_2$	$-2.000000x_3$	$+2.000000x_4$	$+1.000000x_5$	$-1.000000x_6$	$-2.000000x_7$

x_1 enters and x_9 leaves

x_8	9.33333333333	$-0.666667x_9$	$-3.000000x_2$	$+1.666667x_3$	$+2.333333x_4$	$+2.666667x_5$	$-3.333333x_6$	$+3.666667x_7$
x_1	1.66666666667	$-0.333333x_9$		$+0.333333x_3$	$-0.333333x_4$	$+0.333333x_5$	$-0.666667x_6$	$+0.333333x_7$
x_{10}	7.33333333333	$+0.333333x_9$	$-1.000000x_2$	$-0.333333x_3$	$+0.333333x_4$	$-2.333333x_5$	$+0.666667x_6$	$-2.333333x_7$
x_{11}	15.0	$-1.000000x_9$	$-1.000000x_2$	$-1.000000x_3$	$+2.000000x_4$		$-3.000000x_6$	$+4.000000x_7$
x_{12}	12.3333333333	$+0.333333x_9$		$+0.666667x_3$	$-0.666667x_4$	$-0.333333x_5$	$+2.666667x_6$	$-0.333333x_7$
x_{13}	3.66666666667	$-0.333333x_9$		$-1.666667x_3$	$+2.666667x_4$	$+3.333333x_5$	$-0.666667x_6$	$-0.666667x_7$
x_{14}	1.0		$-1.000000x_2$	$+3.000000x_3$		$-2.000000x_5$	$-3.000000x_6$	$+3.000000x_7$
x_{15}	5.66666666667	$-0.333333x_9$	$+1.000000x_2$	$-2.666667x_3$	$+2.666667x_4$	$+2.333333x_5$	$+1.333333x_6$	$+2.333333x_7$
x_{16}	14.0		$+2.000000x_2$	$+3.000000x_3$	$+3.000000x_4$	$-2.000000x_5$	$-1.000000x_6$	$+3.000000x_7$
x_{17}	8.33333333333	$-0.666667x_9$	$-2.000000x_2$	$+2.666667x_3$	$-2.666667x_4$	$-1.333333x_5$	$-0.333333x_6$	$-0.333333x_7$
z	3.33333333333	$-0.666667x_9$	$+1.000000x_2$	$-1.333333x_3$	$+1.333333x_4$	$+1.666667x_5$	$-2.333333x_6$	$-1.333333x_7$

x_2 enters and x_{14} leaves

x_8	6.33333333333	$-0.666667x_9$	$+3.000000x_{14}$	$-7.333333x_3$	$+2.333333x_4$	$+8.666667x_5$	$+5.666667x_6$	$-5.333333x_7$
x_1	1.66666666667	$-0.333333x_9$		$+0.333333x_3$	$-0.333333x_4$	$+0.333333x_5$	$-0.666667x_6$	$+0.333333x_7$
x_{10}	6.33333333333	$+0.333333x_9$	$+1.000000x_{14}$	$-3.333333x_3$	$+0.333333x_4$	$-0.333333x_5$	$+3.666667x_6$	$-5.333333x_7$
x_{11}	14.0	$-1.000000x_9$	$+1.000000x_{14}$	$-4.000000x_3$	$+2.000000x_4$	$+2.000000x_5$		$+1.000000x_7$
x_{12}	12.3333333333	$+0.333333x_9$		$+0.666667x_3$	$-0.666667x_4$	$-0.333333x_5$	$+2.666667x_6$	$-0.333333x_7$
x_{13}	3.66666666667	$-0.333333x_9$		$-1.666667x_3$	$+2.666667x_4$	$+3.333333x_5$	$-0.666667x_6$	$-0.666667x_7$
x_2	1.0		$-1.000000x_{14}$	$+3.000000x_3$		$-2.000000x_5$	$-3.000000x_6$	$+3.000000x_7$
x_{15}	6.66666666667	$-0.333333x_9$	$-1.000000x_{14}$	$+0.333333x_3$	$+2.666667x_4$	$+0.333333x_5$	$-1.666667x_6$	$+5.333333x_7$
x_{16}	16.0		$-2.000000x_{14}$	$+9.000000x_3$	$+3.000000x_4$	$-6.000000x_5$	$-7.000000x_6$	$+9.000000x_7$
x_{17}	6.33333333333	$-0.666667x_9$	$+2.000000x_{14}$	$-3.333333x_3$	$-2.666667x_4$	$+2.666667x_5$	$+5.666667x_6$	$-6.333333x_7$
z	4.33333333333	$-0.666667x_9$	$-1.000000x_{14}$	$+1.666667x_3$	$+1.333333x_4$	$-0.333333x_5$	$-5.333333x_6$	$+1.666667x_7$

x_3 enters and x_8 leaves

x_3	0.863636363636	$-0.090909x_9$	$+0.409091x_{14}$	$-0.136364x_8$	$+0.318182x_4$	$+1.181818x_5$	$+0.772727x_6$	$-0.727273x_7$
x_1	1.95454545455	$-0.363636x_9$	$+0.136364x_{14}$	$-0.045455x_8$	$-0.227273x_4$	$+0.727273x_5$	$-0.409091x_6$	$+0.090909x_7$
x_{10}	3.45454545455	$+0.636364x_9$	$-0.363636x_{14}$	$+0.454545x_8$	$-0.727273x_4$	$-4.272727x_5$	$+1.090909x_6$	$-2.909091x_7$
x_{11}	10.5454545455	$-0.636364x_9$	$-0.636364x_{14}$	$+0.545455x_8$	$+0.727273x_4$	$-2.727273x_5$	$-3.090909x_6$	$+3.909091x_7$
x_{12}	12.9090909091	$+0.272727x_9$	$+0.272727x_{14}$	$-0.090909x_8$	$-0.454545x_4$	$+0.454545x_5$	$+3.181818x_6$	$-0.818182x_7$
x_{13}	2.22727272727	$-0.181818x_9$	$-0.681818x_{14}$	$+0.227273x_8$	$+2.136364x_4$	$+1.363636x_5$	$-1.954545x_6$	$+0.545455x_7$
x_2	3.59090909091	$-0.272727x_9$	$+0.227273x_{14}$	$-0.409091x_8$	$+0.954545x_4$	$+1.545455x_5$	$-0.681818x_6$	$+0.818182x_7$
x_{15}	6.95454545455	$-0.363636x_9$	$-0.863636x_{14}$	$-0.045455x_8$	$+2.772727x_4$	$+0.727273x_5$	$-1.409091x_6$	$+5.090909x_7$
x_{16}	23.7727272727	$-0.818182x_9$	$+1.681818x_{14}$	$-1.227273x_8$	$+5.863636x_4$	$+4.636364x_5$	$-0.045455x_6$	$+2.454545x_7$
x_{17}	3.45454545455	$-0.363636x_9$	$+0.636364x_{14}$	$+0.454545x_8$	$-3.727273x_4$	$-1.272727x_5$	$+3.090909x_6$	$-3.909091x_7$
z	5.77272727273	$-0.818182x_9$	$-0.318182x_{14}$	$-0.227273x_8$	$+1.863636x_4$	$+1.636364x_5$	$-4.045455x_6$	$+0.454545x_7$

x_4 enters and x_{17} leaves

x_3	1.15853658537	$-0.121951x_9$	$+0.463415x_{14}$	$-0.097561x_8$	$-0.085366x_{17}$	$+1.073171x_5$	$+1.036585x_6$	$-1.060976x_7$
x_1	1.74390243902	$-0.341463x_9$	$+0.097561x_{14}$	$-0.073171x_8$	$+0.060976x_{17}$	$+0.804878x_5$	$-0.597561x_6$	$+0.329268x_7$
x_{10}	2.78048780488	$+0.707317x_9$	$-0.487805x_{14}$	$+0.365854x_8$	$+0.195122x_{17}$	$-4.024390x_5$	$+0.487805x_6$	$-2.146341x_7$
x_{11}	11.2195121951	$-0.707317x_9$	$-0.512195x_{14}$	$+0.634146x_8$	$-0.195122x_{17}$	$-2.975610x_5$	$-2.487805x_6$	$+3.146341x_7$
x_{12}	12.487804878	$+0.317073x_9$	$+0.195122x_{14}$	$-0.146341x_8$	$+0.121951x_{17}$	$+0.609756x_5$	$+2.804878x_6$	$-0.341463x_7$
x_{13}	4.20731707317	$-0.390244x_9$	$-0.317073x_{14}$	$+0.487805x_8$	$-0.573171x_{17}$	$+0.634146x_5$	$-0.182927x_6$	$-1.695122x_7$
x_2	4.4756097561	$-0.365854x_9$	$+0.390244x_{14}$	$-0.292683x_8$	$-0.256098x_{17}$	$+1.219512x_5$	$+0.109756x_6$	$-0.182927x_7$
x_{15}	9.5243902439	$-0.634146x_9$	$-0.390244x_{14}$	$+0.292683x_8$	$-0.743902x_{17}$	$-0.219512x_5$	$+0.890244x_6$	$+2.182927x_7$
x_{16}	29.2073170732	$-1.390244x_9$	$+2.682927x_{14}$	$-0.512195x_8$	$-1.573171x_{17}$	$+2.634146x_5$	$+4.817073x_6$	$-3.695122x_7$
x_4	0.926829268293	$-0.097561x_9$	$+0.170732x_{14}$	$+0.121951x_8$	$-0.268293x_{17}$	$-0.341463x_5$	$+0.829268x_6$	$-1.048780x_7$
z	7.5	$-1.000000x_9$	$-0.000000x_{14}$	$+0.000000x_8$	$-0.500000x_{17}$	$+1.000000x_5$	$-2.500000x_6$	$-1.500000x_7$

x_5 enters and x_{10} leaves

x_3	1.9	$+0.066667x_9$	$+0.333333x_{14}$		$-0.033333x_{17}$	$-0.266667x_{10}$ $+1.166667x_6$ $-1.633333x_7$
x_1	2.3	$-0.200000x_9$	$-0.000000x_{14}$		$+0.100000x_{17}$	$-0.200000x_{10}$ $-0.500000x_6$ $-0.100000x_7$
x_5	0.690909090909	$+0.175758x_9$	$-0.121212x_{14}$	$+0.090909x_8$	$+0.048485x_{17}$	$-0.248485x_{10}$ $+0.121212x_6$ $-0.533333x_7$
x_{11}	9.16363636364	$-1.230303x_9$	$-0.151515x_{14}$	$+0.363636x_8$	$-0.339394x_{17}$	$+0.739394x_{10}$ $-2.848485x_6$ $+4.733333x_7$
x_{12}	12.9090909091	$+0.424242x_9$	$+0.121212x_{14}$	$-0.090909x_8$	$+0.151515x_{17}$	$-0.151515x_{10}$ $+2.878788x_6$ $-0.666667x_7$
x_{13}	4.64545454545	$-0.278788x_9$	$-0.393939x_{14}$	$+0.545455x_8$	$-0.542424x_{17}$	$-0.157576x_{10}$ $-0.106061x_6$ $-2.033333x_7$
x_2	5.31818181818	$-0.151515x_9$	$+0.242424x_{14}$	$-0.181818x_8$	$-0.196970x_{17}$	$-0.303030x_{10}$ $+0.257576x_6$ $-0.833333x_7$
x_{15}	9.37272727273	$-0.672727x_9$	$-0.363636x_{14}$	$+0.272727x_8$	$-0.754545x_{17}$	$+0.054545x_{10}$ $+0.863636x_6$ $+2.300000x_7$
x_{16}	31.0272727273	$-0.927273x_9$	$+2.363636x_{14}$	$-0.272727x_8$	$-1.445455x_{17}$	$-0.654545x_{10}$ $+5.136364x_6$ $-5.100000x_7$
x_4	0.690909090909	$-0.157576x_9$	$+0.212121x_{14}$	$+0.090909x_8$	$-0.284848x_{17}$	$+0.084848x_{10}$ $+0.787879x_6$ $-0.866667x_7$
z	8.19090909091	$-0.824242x_9$	$-0.121212x_{14}$	$+0.090909x_8$	$-0.451515x_{17}$	$-0.248485x_{10}$ $-2.378788x_6$ $-2.033333x_7$

x_8 enters and x_2 leaves

x_3	1.9	$+0.066667x_9$	$+0.333333x_{14}$		$-0.033333x_{17}$	$-0.266667x_{10}$ $+1.166667x_6$ $-1.633333x_7$
x_1	2.3	$-0.200000x_9$	$-0.000000x_{14}$		$+0.100000x_{17}$	$-0.200000x_{10}$ $-0.500000x_6$ $-0.100000x_7$
x_5	3.35	$+0.100000x_9$	$-0.000000x_{14}$	$-0.500000x_2$	$-0.050000x_{17}$	$-0.400000x_{10}$ $+0.250000x_6$ $-0.950000x_7$
x_{11}	19.8	$-1.533333x_9$	$+0.333333x_{14}$	$-2.000000x_2$	$-0.733333x_{17}$	$+0.133333x_{10}$ $-2.333333x_6$ $+3.066667x_7$
x_{12}	10.25	$+0.500000x_9$	$+0.000000x_{14}$	$+0.500000x_2$	$+0.250000x_{17}$	$-0.000000x_{10}$ $+2.750000x_6$ $-0.250000x_7$
x_{13}	20.6	$-0.733333x_9$	$+0.333333x_{14}$	$-3.000000x_2$	$-1.133333x_{17}$	$-1.066667x_{10}$ $+0.666667x_6$ $-4.533333x_7$
x_8	29.25	$-0.833333x_9$	$+1.333333x_{14}$	$-5.500000x_2$	$-1.083333x_{17}$	$-1.666667x_{10}$ $+1.416667x_6$ $-4.583333x_7$
x_{15}	17.35	$-0.900000x_9$	$-0.000000x_{14}$	$-1.500000x_2$	$-1.050000x_{17}$	$-0.400000x_{10}$ $+1.250000x_6$ $+1.050000x_7$
x_{16}	23.05	$-0.700000x_9$	$+2.000000x_{14}$	$+1.500000x_2$	$-1.150000x_{17}$	$-0.200000x_{10}$ $+4.750000x_6$ $-3.850000x_7$
x_4	3.35	$-0.233333x_9$	$+0.333333x_{14}$	$-0.500000x_2$	$-0.383333x_{17}$	$-0.066667x_{10}$ $+0.916667x_6$ $-1.283333x_7$
z	10.85	$-0.900000x_9$	$-0.000000x_{14}$	$-0.500000x_2$	$-0.550000x_{17}$	$-0.400000x_{10}$ $-2.250000x_6$ $-2.450000x_7$

x_{-1} enters and Final Dictionary Solution: 10.85 Num Pivots: 6