x_8	4.0	$-3.000000x_1$	$+3.000000x_2$	$-3.000000x_3$	$+1.000000x_4$			
x_9	3.0	$-3.000000x_1$	$-1.000000x_2$	$+1.000000x_3$	$+2.000000x_4$	$-2.000000x_5$	$+2.000000x_6$	$+2.000000x_7$
x_{10}	1.0	$-3.000000x_1$	$+2.000000x_2$	$-1.000000x_3$	$+2.000000x_4$	$-2.000000x_5$	$+1.000000x_6$	$+2.000000x_7$
x_{11}	5.0	$+1.000000x_1$	$+2.000000x_2$	$+1.000000x_3$	$-2.000000x_4$	$-1.000000x_5$	$-1.000000x_6$	$-3.000000x_7$
x_{12}	1.0	$+3.000000x_1$	$+2.000000x_2$	$-2.000000x_3$		$-1.000000x_5$	$-3.000000x_6$	$+1.000000x_7$
x_{13}	4.0		$-3.000000x_2$	$+3.000000x_3$	$+3.000000x_4$	$+1.000000x_5$	$-3.000000x_6$	$+3.000000x_7$
x_{14}	3.0	$-2.000000x_1$	$-3.000000x_2$	$-2.000000x_3$	$+3.000000x_4$	$+2.000000x_5$	$+3.000000x_6$	
x_{15}	4.0	$+3.000000x_1$	$+2.000000x_2$	$-3.000000x_3$	$-1.000000x_4$	$-2.000000x_5$	$+3.000000x_6$	
x_{16}	7.0	$-3.000000x_1$		$+2.000000x_3$	$-2.000000x_4$	$-1.000000x_5$	$-3.000000x_6$	$+3.000000x_7$
x_{17}	14.0	$+3.000000x_1$	$-3.000000x_2$	$+3.000000x_3$	$+3.000000x_4$	$-1.000000x_5$	$+3.000000x_6$	$-3.000000x_7$
z	0.0	$-1.000000x_1$	$+2.000000x_2$	$-2.000000x_3$	$-1.000000x_4$		$-1.000000x_6$	$-1.000000x_7$

No initialization required –¿ Proceed to Optimize.

x_8	4.0	$-3.000000x_1$	$+3.000000x_2$	$-3.000000x_3$	$+1.000000x_4$			
x_9	3.0	$-3.000000x_1$	$-1.000000x_2$	$+1.000000x_3$	$+2.000000x_4$	$-2.000000x_5$	$+2.000000x_6$	$+2.000000x_7$
x_{10}	1.0	$-3.000000x_1$	$+2.000000x_2$	$-1.000000x_3$	$+2.000000x_4$	$-2.000000x_5$	$+1.000000x_6$	$+2.000000x_7$
x_{11}	5.0	$+1.000000x_1$	$+2.000000x_2$	$+1.000000x_3$	$-2.000000x_4$	$-1.000000x_5$	$-1.000000x_6$	$-3.000000x_7$
x_{12}	1.0	$+3.000000x_1$	$+2.000000x_2$	$-2.000000x_3$		$-1.000000x_5$	$-3.000000x_6$	$+1.000000x_7$
x_{13}	4.0		$-3.000000x_2$	$+3.000000x_3$	$+3.000000x_4$	$+1.000000x_5$	$-3.000000x_6$	$+3.000000x_7$
x_{14}	3.0	$-2.000000x_1$	$-3.000000x_2$	$-2.000000x_3$	$+3.000000x_4$	$+2.000000x_5$	$+3.000000x_6$	
x_{15}	4.0	$+3.000000x_1$	$+2.000000x_2$	$-3.000000x_3$	$-1.000000x_4$	$-2.000000x_5$	$+3.000000x_6$	
x_{16}	7.0	$-3.000000x_1$		$+2.000000x_3$	$-2.000000x_4$	$-1.000000x_5$	$-3.000000x_6$	$+3.000000x_7$
x_{17}	14.0	$+3.000000x_1$	$-3.000000x_2$	$+3.000000x_3$	$+3.000000x_4$	$-1.000000x_5$	$+3.000000x_6$	$-3.000000x_7$
z	0.0	$-1.000000x_1$	$+2.000000x_2$	$-2.000000x_3$	$-1.000000x_4$		$-1.000000x_6$	$-1.000000x_7$

x_2 enters and x_{14} leaves

x_8	7.0	$-5.000000x_1$	$-1.000000x_{14}$	$-5.000000x_3$	$+4.000000x_4$	$+2.000000x_5$	$+3.000000x_6$	
x_9	2.0	$-2.333333x_1$	$+0.333333x_{14}$	$+1.666667x_3$	$+1.000000x_4$	$-2.666667x_5$	$+1.000000x_6$	$+2.000000x_7$
x_{10}	3.0	$-4.333333x_1$	$-0.666667x_{14}$	$-2.333333x_3$	$+4.000000x_4$	$-0.666667x_5$	$+3.000000x_6$	$+2.000000x_7$
x_{11}	7.0	$-0.333333x_1$	$-0.666667x_{14}$	$-0.333333x_3$		$+0.333333x_5$	$+1.000000x_6$	$-3.000000x_7$
x_{12}	3.0	$+1.666667x_1$	$-0.666667x_{14}$	$-3.333333x_3$	$+2.000000x_4$	$+0.333333x_5$	$-1.000000x_6$	$+1.000000x_7$
x_{13}	1.0	$+2.000000x_1$	$+1.000000x_{14}$	$+5.000000x_3$		$-1.000000x_5$	$-6.000000x_6$	$+3.000000x_7$
x_2	1.0	$-0.666667x_1$	$-0.333333x_{14}$	$-0.666667x_3$	$+1.000000x_4$	$+0.666667x_5$	$+1.000000x_6$	
x_{15}	6.0	$+1.666667x_1$	$-0.666667x_{14}$	$-4.333333x_3$	$+1.000000x_4$	$-0.666667x_5$	$+5.000000x_6$	
x_{16}	7.0	$-3.000000x_1$		$+2.000000x_3$	$-2.000000x_4$	$-1.000000x_5$	$-3.000000x_6$	$+3.000000x_7$
x_{17}	11.0	$+5.000000x_1$	$+1.000000x_{14}$	$+5.000000x_3$		$-3.000000x_5$		$-3.000000x_7$
z	2.0	$-2.333333x_1$	$-0.666667x_{14}$	$-3.333333x_3$	$+1.000000x_4$	$+1.333333x_5$	$+1.000000x_6$	$-1.000000x_7$

x_4 enters and x_{16} leaves

x_8	21.0	$-11.000000x_1$	$-1.000000x_{14}$	$-1.000000x_3$	$-2.000000x_{16}$		$-3.000000x_6$	$+6.000000x_7$
x_9	5.5	$-3.833333x_1$	$+0.333333x_{14}$	$+2.666667x_3$	$-0.500000x_{16}$	$-3.166667x_5$	$-0.500000x_6$	$+3.500000x_7$
x_{10}	17.0	$-10.333333x_1$	$-0.666667x_{14}$	$+1.666667x_3$	$-2.000000x_{16}$	$-2.666667x_5$	$-3.000000x_6$	$+8.000000x_7$
x_{11}	7.0	$-0.333333x_1$	$-0.666667x_{14}$	$-0.333333x_3$		$+0.333333x_5$	$+1.000000x_6$	$-3.000000x_7$
x_{12}	10.0	$-1.333333x_1$	$-0.666667x_{14}$	$-1.333333x_3$	$-1.000000x_{16}$	$-0.666667x_5$	$-4.000000x_6$	$+4.000000x_7$
x_{13}	1.0	$+2.000000x_1$	$+1.000000x_{14}$	$+5.000000x_3$		$-1.000000x_5$	$-6.000000x_6$	$+3.000000x_7$
x_2	4.5	$-2.166667x_1$	$-0.333333x_{14}$	$+0.333333x_3$	$-0.500000x_{16}$	$+0.166667x_5$	$-0.500000x_6$	$+1.500000x_7$
x_{15}	9.5	$+0.166667x_1$	$-0.666667x_{14}$	$-3.333333x_3$	$-0.500000x_{16}$	$-1.166667x_5$	$+3.500000x_6$	$+1.500000x_7$
x_4	3.5	$-1.500000x_1$		$+1.000000x_3$	$-0.500000x_{16}$	$-0.500000x_5$	$-1.500000x_6$	$+1.500000x_7$
x_{17}	11.0	$+5.000000x_1$	$+1.000000x_{14}$	$+5.000000x_3$		$-3.000000x_5$		$-3.000000x_7$
z	5.5	$-3.833333x_1$	$-0.666667x_{14}$	$-2.333333x_3$	$-0.500000x_{16}$	$+0.833333x_5$	$-0.500000x_6$	$+0.500000x_7$

x_5 enters and x_{13} leaves

x_8	21.0	$-11.000000x_1$	$-1.000000x_{14}$	$-1.000000x_3$	$-2.000000x_{16}$		$-3.000000x_6$	$+6.000000x_7$
x_9	2.33333333333	$-10.166667x_1$	$-2.833333x_{14}$	$-13.166667x_3$	$-0.500000x_{16}$	$+3.166667x_{13}$	$+18.500000x_6$	$-6.000000x_7$
x_{10}	14.3333333333	$-15.666667x_1$	$-3.333333x_{14}$	$-11.666667x_3$	$-2.000000x_{16}$	$+2.666667x_{13}$	$+13.000000x_6$	
x_{11}	7.33333333333	$+0.333333x_1$	$-0.333333x_{14}$	$+1.333333x_3$		$-0.333333x_{13}$	$-1.000000x_6$	$-2.000000x_7$
x_{12}	9.33333333333	$-2.666667x_1$	$-1.333333x_{14}$	$-4.666667x_3$	$-1.000000x_{16}$	$+0.666667x_{13}$		$+2.000000x_7$
x_5	1.0	$+2.000000x_1$	$+1.000000x_{14}$	$+5.000000x_3$		$-1.000000x_{13}$	$-6.000000x_6$	$+3.000000x_7$
x_2	4.66666666667	$-1.833333x_1$	$-0.166667x_{14}$	$+1.166667x_3$	$-0.500000x_{16}$	$-0.166667x_{13}$	$-1.500000x_6$	$+2.000000x_7$
x_{15}	8.33333333333	$-2.166667x_1$	$-1.833333x_{14}$	$-9.166667x_3$	$-0.500000x_{16}$	$+1.166667x_{13}$	$+10.500000x_6$	$-2.000000x_7$
x_4	3.0	$-2.500000x_1$	$-0.500000x_{14}$	$-1.500000x_3$	$-0.500000x_{16}$	$+0.500000x_{13}$	$+1.500000x_6$	
x_{17}	8.0	$-1.000000x_1$	$-2.000000x_{14}$	$-10.000000x_3$		$+3.000000x_{13}$	$+18.000000x_6$	$-12.000000x_7$
z	6.33333333333	$-2.166667x_1$	$+0.166667x_{14}$	$+1.833333x_3$	$-0.500000x_{16}$	$-0.833333x_{13}$	$-5.500000x_6$	$+3.000000x_7$

x_3 enters and x_9 leaves

x_8	20.8227848101	$-10.227848x_1$	$-0.784810x_{14}$	$+0.075949x_9$	$-1.962025x_{16}$	$-0.240506x_{13}$	$-4.405063x_6$	$+6.455696x_7$
x_3	0.177215189873	$-0.772152x_1$	$-0.215190x_{14}$	$-0.075949x_9$	$-0.037975x_{16}$	$+0.240506x_{13}$	$+1.405063x_6$	$-0.455696x_7$
x_{10}	12.2658227848	$-6.658228x_1$	$-0.822785x_{14}$	$+0.886076x_9$	$-1.556962x_{16}$	$-0.139241x_{13}$	$-3.392405x_6$	$+5.316456x_7$
x_{11}	7.56962025316	$-0.696203x_1$	$-0.620253x_{14}$	$-0.101266x_9$	$-0.050633x_{16}$	$-0.012658x_{13}$	$+0.873418x_6$	$-2.607595x_7$
x_{12}	8.50632911392	$+0.936709x_1$	$-0.329114x_{14}$	$+0.354430x_9$	$-0.822785x_{16}$	$-0.455696x_{13}$	$-6.556962x_6$	$+4.126582x_7$
x_5	1.88607594937	$-1.860759x_1$	$-0.075949x_{14}$	$-0.379747x_9$	$-0.189873x_{16}$	$+0.202532x_{13}$	$+1.025316x_6$	$+0.721519x_7$
x_2	4.87341772152	$-2.734177x_1$	$-0.417722x_{14}$	$-0.088608x_9$	$-0.544304x_{16}$	$+0.113924x_{13}$	$+0.139241x_6$	$+1.468354x_7$
x_{15}	6.70886075949	$+4.911392x_1$	$+0.139241x_{14}$	$+0.696203x_9$	$-0.151899x_{16}$	$-1.037975x_{13}$	$-2.379747x_6$	$+2.177215x_7$
x_4	2.73417721519	$-1.341772x_1$	$-0.177215x_{14}$	$+0.113924x_9$	$-0.443038x_{16}$	$+0.139241x_{13}$	$-0.607595x_6$	$+0.683544x_7$
x_{17}	6.22784810127	$+6.721519x_1$	$+0.151899x_{14}$	$+0.759494x_9$	$+0.379747x_{16}$	$+0.594937x_{13}$	$+3.949367x_6$	$-7.443038x_7$
z	6.6582278481	$-3.582278x_1$	$-0.227848x_{14}$	$-0.139241x_9$	$-0.569620x_{16}$	$-0.392405x_{13}$	$-2.924051x_6$	$+2.164557x_7$

x_7 enters and x_3 leaves

x_8	23.3333333333	$-21.166667x_1 -3.833333x_{14} -1.000000x_9 -2.500000x_{16} +3.166667x_{13} +15.500000x_6 -14.166667x_3$
x_7	0.388888888889	$-1.694444x_1 -0.472222x_{14} -0.166667x_9 -0.083333x_{16} +0.527778x_{13} +3.083333x_6 -2.194444x_3$
x_{10}	14.3333333333	$-15.666667x_1 -3.333333x_{14} +0.000000x_9 -2.000000x_{16} +2.666667x_{13} +13.000000x_6 -11.666667x_3$
x_{11}	6.55555555556	$+3.722222x_1 +0.611111x_{14} +0.333333x_9 +0.166667x_{16} -1.388889x_{13} -7.166667x_6 +5.722222x_3$
x_{12}	10.1111111111	$-6.055556x_1 -2.277778x_{14} -0.333333x_9 -1.166667x_{16} +1.722222x_{13} +6.166667x_6 -9.055556x_3$
x_5	2.16666666667	$-3.083333x_1 -0.416667x_{14} -0.500000x_9 -0.250000x_{16} +0.583333x_{13} +3.250000x_6 -1.583333x_3$
x_2	5.44444444444	$-5.222222x_1 -1.111111x_{14} -0.333333x_9 -0.666667x_{16} +0.888889x_{13} +4.666667x_6 -3.222222x_3$
x_{15}	7.55555555556	$+1.222222x_1 -0.888889x_{14} +0.333333x_9 -0.333333x_{16} +0.111111x_{13} +4.333333x_6 -4.777778x_3$
x_4	3.0	$-2.500000x_1 -0.500000x_{14} -0.000000x_9 -0.500000x_{16} +0.500000x_{13} +1.500000x_6 -1.500000x_3$
x_{17}	3.33333333333	$+19.333333x_1 +3.666667x_{14} +2.000000x_9 +1.000000x_{16} -3.333333x_{13} -19.000000x_6 +16.333333x_3$
z	7.5	$-7.250000x_1 -1.250000x_{14} -0.500000x_9 -0.750000x_{16} +0.750000x_{13} +3.750000x_6 -4.750000x_3$

x_6 enters and x_{17} leaves

x_8	26.0526315789	$-5.394737x_1 -0.842105x_{14} +0.631579x_9 -1.684211x_{16} +0.447368x_{13} -0.815789x_{17} -0.842105x_3$
x_7	0.929824561404	$+1.442982x_1 +0.122807x_{14} +0.157895x_9 +0.078947x_{16} -0.013158x_{13} -0.162281x_{17} +0.456140x_3$
x_{10}	16.6140350877	$-2.438596x_1 -0.824561x_{14} +1.368421x_9 -1.315789x_{16} +0.385965x_{13} -0.684211x_{17} -0.491228x_3$
x_{11}	5.29824561404	$-3.570175x_1 -0.771930x_{14} -0.421053x_9 -0.210526x_{16} -0.131579x_{13} +0.377193x_{17} -0.438596x_3$
x_{12}	11.1929824561	$+0.219298x_1 -1.087719x_{14} +0.315789x_9 -0.842105x_{16} +0.640351x_{13} -0.324561x_{17} -3.754386x_3$
x_5	2.73684210526	$+0.223684x_1 +0.210526x_{14} -0.157895x_9 -0.078947x_{16} +0.013158x_{13} -0.171053x_{17} +1.210526x_3$
x_2	6.26315789474	$-0.473684x_1 -0.210526x_{14} +0.157895x_9 -0.421053x_{16} +0.070175x_{13} -0.245614x_{17} +0.789474x_3$
x_{15}	8.31578947368	$+5.631579x_1 -0.052632x_{14} +0.789474x_9 -0.105263x_{16} -0.649123x_{13} -0.228070x_{17} -1.052632x_3$
x_4	3.26315789474	$-0.973684x_1 -0.210526x_{14} +0.157895x_9 -0.421053x_{16} +0.236842x_{13} -0.078947x_{17} -0.210526x_3$
x_6	0.175438596491	$+1.017544x_1 +0.192982x_{14} +0.105263x_9 +0.052632x_{16} -0.175439x_{13} -0.052632x_{17} +0.859649x_3$
z	8.15789473684	$-3.434211x_1 -0.526316x_{14} -0.105263x_9 -0.552632x_{16} +0.092105x_{13} -0.197368x_{17} -1.526316x_3$

x_{13} enters and x_6 leaves

x_8	26.5	$-2.800000x_1 -0.350000x_{14} +0.900000x_9 -1.550000x_{16} -2.550000x_6 -0.950000x_{17} +1.350000x_3$
x_7	0.916666666667	$+1.366667x_1 +0.108333x_{14} +0.150000x_9 +0.075000x_{16} +0.075000x_6 -0.158333x_{17} +0.391667x_3$
x_{10}	17.0	$-0.200000x_1 -0.400000x_{14} +1.600000x_9 -1.200000x_{16} -2.200000x_6 -0.800000x_{17} +1.400000x_3$
x_{11}	5.16666666667	$-4.333333x_1 -0.916667x_{14} -0.500000x_9 -0.250000x_{16} +0.750000x_6 +0.416667x_{17} -1.083333x_3$
x_{12}	11.8333333333	$+3.933333x_1 -0.383333x_{14} +0.700000x_9 -0.650000x_{16} -3.650000x_6 -0.516667x_{17} -0.616667x_3$
x_5	2.75	$+0.300000x_1 +0.225000x_{14} -0.150000x_9 -0.075000x_{16} -0.075000x_6 -0.175000x_{17} +1.275000x_3$
x_2	6.33333333333	$-0.066667x_1 -0.133333x_{14} +0.200000x_9 -0.400000x_{16} -0.400000x_6 -0.266667x_{17} +1.133333x_3$
x_{15}	7.66666666667	$+1.866667x_1 -0.766667x_{14} +0.400000x_9 -0.300000x_{16} +3.700000x_6 -0.033333x_{17} -4.233333x_3$
x_4	3.5	$+0.400000x_1 +0.050000x_{14} +0.300000x_9 -0.350000x_{16} -1.350000x_6 -0.150000x_{17} +0.950000x_3$
x_{13}	1.0	$+5.800000x_1 +1.100000x_{14} +0.600000x_9 +0.300000x_{16} -5.700000x_6 -0.300000x_{17} +4.900000x_3$
z	8.25	$-2.900000x_1 -0.425000x_{14} -0.050000x_9 -0.525000x_{16} -0.525000x_6 -0.225000x_{17} -1.075000x_3$

x_{-1} enters and Final Dictionary Solution: 8.25 Num Pivots: 7