x_8	5.0	$+1.000000x_1$	$+3.000000x_2$	$+3.000000x_3$		$+3.000000x_5$	$+3.000000x_6$ $+2.000000x_7$
x_9	12.0	$+3.000000x_1$	$+1.000000x_2$	$-1.000000x_3$	$-3.000000x_4$		$+1.000000x_6$ $+3.000000x_7$
x_{10}	9.0	$+2.000000x_1$	$-1.000000x_2$	$+3.000000x_3$	$-1.000000x_4$	$+1.000000x_5$	$+3.000000x_6$ $+3.000000x_7$
x_{11}	4.0	$+1.000000x_1$	$-1.000000x_2$	$+1.000000x_3$	$+2.000000x_4$	$-1.000000x_5$	$-2.000000x_6$ $-3.000000x_7$
x_{12}	7.0	$+2.000000x_1$	$-1.000000x_2$	$-2.000000x_3$	$+3.000000x_4$	$+3.000000x_5$	$+2.000000x_6$ $+1.000000x_7$
x_{13}	9.0	$-3.000000x_1$	$+1.000000x_2$	$-2.000000x_3$	$+3.000000x_4$	$+3.000000x_5$	$-2.000000x_7$
x_{14}	12.0	$-2.000000x_1$	$-3.000000x_2$	$+1.000000x_3$	$-3.000000x_4$	$+2.000000x_5$	$+1.000000x_6$ $-1.000000x_7$
x_{15}	10.0	$+3.000000x_1$	$-3.000000x_2$	$-1.000000x_3$	$+1.000000x_4$	$-1.000000x_5$	$+1.000000x_6$ $+3.000000x_7$
x_{16}	1.0	$-3.000000x_1$	$-1.000000x_2$	$-2.000000x_3$	$-3.000000x_4$	$+3.000000x_5$	$-3.000000x_6$ $+1.000000x_7$
x_{17}	1.0	$-2.000000x_1$	$+3.000000x_2$	$+1.000000x_3$	$-1.000000x_4$	$-3.000000x_5$	$+3.000000x_7$
z	0.0	$+1.000000x_1$	$-1.000000x_2$	$+2.000000x_3$		$+1.000000x_5$	$+1.000000x_6$ $-2.000000x_7$

No initialization required –¿ Proceed to Optimize.

x_8	5.0	$+1.000000x_1$	$+3.000000x_2$	$+3.000000x_3$		$+3.000000x_5$	$+3.000000x_6$ $+2.000000x_7$
x_9	12.0	$+3.000000x_1$	$+1.000000x_2$	$-1.000000x_3$	$-3.000000x_4$		$+1.000000x_6$ $+3.000000x_7$
x_{10}	9.0	$+2.000000x_1$	$-1.000000x_2$	$+3.000000x_3$	$-1.000000x_4$	$+1.000000x_5$	$+3.000000x_6$ $+3.000000x_7$
x_{11}	4.0	$+1.000000x_1$	$-1.000000x_2$	$+1.000000x_3$	$+2.000000x_4$	$-1.000000x_5$	$-2.000000x_6$ $-3.000000x_7$
x_{12}	7.0	$+2.000000x_1$	$-1.000000x_2$	$-2.000000x_3$	$+3.000000x_4$	$+3.000000x_5$	$+2.000000x_6$ $+1.000000x_7$
x_{13}	9.0	$-3.000000x_1$	$+1.000000x_2$	$-2.000000x_3$	$+3.000000x_4$	$+3.000000x_5$	$-2.000000x_7$
x_{14}	12.0	$-2.000000x_1$	$-3.000000x_2$	$+1.000000x_3$	$-3.000000x_4$	$+2.000000x_5$	$+1.000000x_6$ $-1.000000x_7$
x_{15}	10.0	$+3.000000x_1$	$-3.000000x_2$	$-1.000000x_3$	$+1.000000x_4$	$-1.000000x_5$	$+1.000000x_6$ $+3.000000x_7$
x_{16}	1.0	$-3.000000x_1$	$-1.000000x_2$	$-2.000000x_3$	$-3.000000x_4$	$+3.000000x_5$	$-3.000000x_6$ $+1.000000x_7$
x_{17}	1.0	$-2.000000x_1$	$+3.000000x_2$	$+1.000000x_3$	$-1.000000x_4$	$-3.000000x_5$	$+3.000000x_7$
z	0.0	$+1.000000x_1$	$-1.000000x_2$	$+2.000000x_3$		$+1.000000x_5$	$+1.000000x_6$ $-2.000000x_7$

x_1 enters and x_{16} leaves

x_8	5.33333333333	$-0.333333x_{16}$	$+2.666667x_2$	$+2.333333x_3$	$-1.000000x_4$	$+4.000000x_5$	$+2.000000x_6$ $+2.333333x_7$
x_9	13.0	$-1.000000x_{16}$		$-3.000000x_3$	$-6.000000x_4$	$+3.000000x_5$	$-2.000000x_6$ $+4.000000x_7$
x_{10}	9.66666666667	$-0.666667x_{16}$	$-1.666667x_2$	$+1.666667x_3$	$-3.000000x_4$	$+3.000000x_5$	$+1.000000x_6$ $+3.666667x_7$
x_{11}	4.33333333333	$-0.333333x_{16}$	$-1.333333x_2$	$+0.333333x_3$	$+1.000000x_4$		$-3.000000x_6$ $-2.666667x_7$
x_{12}	7.66666666667	$-0.666667x_{16}$	$-1.666667x_2$	$-3.333333x_3$	$+1.000000x_4$	$+5.000000x_5$	$+1.666667x_7$
x_{13}	8.0	$+1.000000x_{16}$	$+2.000000x_2$		$+6.000000x_4$		$+3.000000x_6$ $-3.000000x_7$
x_{14}	11.3333333333	$+0.666667x_{16}$	$-2.333333x_2$	$+2.333333x_3$	$-1.000000x_4$		$+3.000000x_6$ $-1.666667x_7$
x_{15}	11.0	$-1.000000x_{16}$	$-4.000000x_2$	$-3.000000x_3$	$-2.000000x_4$	$+2.000000x_5$	$-2.000000x_6$ $+4.000000x_7$
x_1	0.333333333333	$-0.333333x_{16}$	$-0.333333x_2$	$-0.666667x_3$	$-1.000000x_4$	$+1.000000x_5$	$-1.000000x_6$ $+0.333333x_7$
x_{17}	0.333333333333	$+0.666667x_{16}$	$+3.666667x_2$	$+2.333333x_3$	$+1.000000x_4$	$-5.000000x_5$	$+2.000000x_6$ $+2.333333x_7$
z	0.333333333333	$-0.333333x_{16}$	$-1.333333x_2$	$+1.333333x_3$	$-1.000000x_4$	$+2.000000x_5$	$-1.666667x_7$

x_3 enters and x_1 leaves

x_8	6.5	$-1.500000x_{16}$	$+1.500000x_2$	$-3.500000x_1$	$-4.500000x_4$	$+7.500000x_5$	$-1.500000x_6$	$+3.500000x_7$
x_9	11.5	$+0.500000x_{16}$	$+1.500000x_2$	$+4.500000x_1$	$-1.500000x_4$	$-1.500000x_5$	$+2.500000x_6$	$+2.500000x_7$
x_{10}	10.5	$-1.500000x_{16}$	$-2.500000x_2$	$-2.500000x_1$	$-5.500000x_4$	$+5.500000x_5$	$-1.500000x_6$	$+4.500000x_7$
x_{11}	4.5	$-0.500000x_{16}$	$-1.500000x_2$	$-0.500000x_1$	$+0.500000x_4$	$+0.500000x_5$	$-3.500000x_6$	$-2.500000x_7$
x_{12}	6.0	$+1.000000x_{16}$		$+5.000000x_1$	$+6.000000x_4$		$+5.000000x_6$	
x_{13}	8.0	$+1.000000x_{16}$	$+2.000000x_2$		$+6.000000x_4$		$+3.000000x_6$	$-3.000000x_7$
x_{14}	12.5	$-0.500000x_{16}$	$-3.500000x_2$	$-3.500000x_1$	$-4.500000x_4$	$+3.500000x_5$	$-0.500000x_6$	$-0.500000x_7$
x_{15}	9.5	$+0.500000x_{16}$	$-2.500000x_2$	$+4.500000x_1$	$+2.500000x_4$	$-2.500000x_5$	$+2.500000x_6$	$+2.500000x_7$
x_3	0.5	$-0.500000x_{16}$	$-0.500000x_2$	$-1.500000x_1$	$-1.500000x_4$	$+1.500000x_5$	$-1.500000x_6$	$+0.500000x_7$
x_{17}	1.5	$-0.500000x_{16}$	$+2.500000x_2$	$-3.500000x_1$	$-2.500000x_4$	$-1.500000x_5$	$-1.500000x_6$	$+3.500000x_7$
z	1.0	$-1.000000x_{16}$	$-2.000000x_2$	$-2.000000x_1$	$-3.000000x_4$	$+4.000000x_5$	$-2.000000x_6$	$-1.000000x_7$

x_5 enters and x_{17} leaves

x_8	14.0	$-4.000000x_{16}$	$+14.000000x_2$	$-21.000000x_1$	$-17.000000x_4$	$-5.000000x_{17}$	$-9.000000x_6$	$+21.000000x_7$
x_9	10.0	$+1.000000x_{16}$	$-1.000000x_2$	$+8.000000x_1$	$+1.000000x_4$	$+1.000000x_{17}$	$+4.000000x_6$	$-1.000000x_7$
x_{10}	16.0	$-3.333333x_{16}$	$+6.666667x_2$	$-15.333333x_1$	$-14.666667x_4$	$-3.666667x_{17}$	$-7.000000x_6$	$+17.333333x_7$
x_{11}	5.0	$-0.666667x_{16}$	$-0.666667x_2$	$-1.666667x_1$	$-0.333333x_4$	$-0.333333x_{17}$	$-4.000000x_6$	$-1.333333x_7$
x_{12}	6.0	$+1.000000x_{16}$		$+5.000000x_1$	$+6.000000x_4$		$+5.000000x_6$	
x_{13}	8.0	$+1.000000x_{16}$	$+2.000000x_2$		$+6.000000x_4$		$+3.000000x_6$	$-3.000000x_7$
x_{14}	16.0	$-1.666667x_{16}$	$+2.333333x_2$	$-11.666667x_1$	$-10.333333x_4$	$-2.333333x_{17}$	$-4.000000x_6$	$+7.666667x_7$
x_{15}	7.0	$+1.333333x_{16}$	$-6.666667x_2$	$+10.333333x_1$	$+6.666667x_4$	$+1.666667x_{17}$	$+5.000000x_6$	$-3.333333x_7$
x_3	2.0	$-1.000000x_{16}$	$+2.000000x_2$	$-5.000000x_1$	$-4.000000x_4$	$-1.000000x_{17}$	$-3.000000x_6$	$+4.000000x_7$
x_5	1.0	$-0.333333x_{16}$	$+1.666667x_2$	$-2.333333x_1$	$-1.666667x_4$	$-0.666667x_{17}$	$-1.000000x_6$	$+2.333333x_7$
z	5.0	$-2.333333x_{16}$	$+4.666667x_2$	$-11.333333x_1$	$-9.666667x_4$	$-2.666667x_{17}$	$-6.000000x_6$	$+8.333333x_7$

x_2 enters and x_{15} leaves

x_8	28.7	$-1.200000x_{16}$	$-2.100000x_{15}$	$+0.700000x_1$	$-3.000000x_4$	$-1.500000x_{17}$	$+1.500000x_6$	$+14.000000x_7$
x_9	8.95	$+0.800000x_{16}$	$+0.150000x_{15}$	$+6.450000x_1$	$-0.000000x_4$	$+0.750000x_{17}$	$+3.250000x_6$	$-0.500000x_7$
x_{10}	23.0	$-2.000000x_{16}$	$-1.000000x_{15}$	$-5.000000x_1$	$-8.000000x_4$	$-2.000000x_{17}$	$-2.000000x_6$	$+14.000000x_7$
x_{11}	4.3	$-0.800000x_{16}$	$+0.100000x_{15}$	$-2.700000x_1$	$-1.000000x_4$	$-0.500000x_{17}$	$-4.500000x_6$	$-1.000000x_7$
x_{12}	6.0	$+1.000000x_{16}$		$+5.000000x_1$	$+6.000000x_4$		$+5.000000x_6$	
x_{13}	10.1	$+1.400000x_{16}$	$-0.300000x_{15}$	$+3.100000x_1$	$+8.000000x_4$	$+0.500000x_{17}$	$+4.500000x_6$	$-4.000000x_7$
x_{14}	18.45	$-1.200000x_{16}$	$-0.350000x_{15}$	$-8.050000x_1$	$-8.000000x_4$	$-1.750000x_{17}$	$-2.250000x_6$	$+6.500000x_7$
x_2	1.05	$+0.200000x_{16}$	$-0.150000x_{15}$	$+1.550000x_1$	$+1.000000x_4$	$+0.250000x_{17}$	$+0.750000x_6$	$-0.500000x_7$
x_3	4.1	$-0.600000x_{16}$	$-0.300000x_{15}$	$-1.900000x_1$	$-2.000000x_4$	$-0.500000x_{17}$	$-1.500000x_6$	$+3.000000x_7$
x_5	2.75		$-0.250000x_{15}$	$+0.250000x_1$		$-0.250000x_{17}$	$+0.250000x_6$	$+1.500000x_7$
z	9.9	$-1.400000x_{16}$	$-0.700000x_{15}$	$-4.100000x_1$	$-5.000000x_4$	$-1.500000x_{17}$	$-2.500000x_6$	$+6.000000x_7$

x_7 enters and x_2 leaves

x_8	58.1	$+4.400000x_{16}$	$-6.300000x_{15}$	$+44.100000x_1$	$+25.000000x_4$	$+5.500000x_{17}$	$+22.500000x_6$	$-28.000000x_2$
x_9	7.9	$+0.600000x_{16}$	$+0.300000x_{15}$	$+4.900000x_1$	$-1.000000x_4$	$+0.500000x_{17}$	$+2.500000x_6$	$+1.000000x_2$
x_{10}	52.4	$+3.600000x_{16}$	$-5.200000x_{15}$	$+38.400000x_1$	$+20.000000x_4$	$+5.000000x_{17}$	$+19.000000x_6$	$-28.000000x_2$
x_{11}	2.2	$-1.200000x_{16}$	$+0.400000x_{15}$	$-5.800000x_1$	$-3.000000x_4$	$-1.000000x_{17}$	$-6.000000x_6$	$+2.000000x_2$
x_{12}	6.0	$+1.000000x_{16}$		$+5.000000x_1$	$+6.000000x_4$		$+5.000000x_6$	
x_{13}	1.7	$-0.200000x_{16}$	$+0.900000x_{15}$	$-9.300000x_1$	$-0.000000x_4$	$-1.500000x_{17}$	$-1.500000x_6$	$+8.000000x_2$
x_{14}	32.1	$+1.400000x_{16}$	$-2.300000x_{15}$	$+12.100000x_1$	$+5.000000x_4$	$+1.500000x_{17}$	$+7.500000x_6$	$-13.000000x_2$
x_7	2.1	$+0.400000x_{16}$	$-0.300000x_{15}$	$+3.100000x_1$	$+2.000000x_4$	$+0.500000x_{17}$	$+1.500000x_6$	$-2.000000x_2$
x_3	10.4	$+0.600000x_{16}$	$-1.200000x_{15}$	$+7.400000x_1$	$+4.000000x_4$	$+1.000000x_{17}$	$+3.000000x_6$	$-6.000000x_2$
x_5	5.9	$+0.600000x_{16}$	$-0.700000x_{15}$	$+4.900000x_1$	$+3.000000x_4$	$+0.500000x_{17}$	$+2.500000x_6$	$-3.000000x_2$
z	22.5	$+1.000000x_{16}$	$-2.500000x_{15}$	$+14.500000x_1$	$+7.000000x_4$	$+1.500000x_{17}$	$+6.500000x_6$	$-12.000000x_2$

x_1 enters and x_{13} leaves

x_8	66.1612903226	$+3.451613x_{16}$	$-2.032258x_{15}$	$-4.741935x_{13}$	$+25.000000x_4$	$-1.612903x_{17}$	$+15.387097x_6$	$+9.935484x_2$
x_9	8.79569892473	$+0.494624x_{16}$	$+0.774194x_{15}$	$-0.526882x_{13}$	$-1.000000x_4$	$-0.290323x_{17}$	$+1.709677x_6$	$+5.215054x_2$
x_{10}	59.4193548387	$+2.774194x_{16}$	$-1.483871x_{15}$	$-4.129032x_{13}$	$+20.000000x_4$	$-1.193548x_{17}$	$+12.806452x_6$	$+5.032258x_2$
x_{11}	1.13978494624	$-1.075269x_{16}$	$-0.161290x_{15}$	$+0.623656x_{13}$	$-3.000000x_4$	$-0.064516x_{17}$	$-5.064516x_6$	$-2.989247x_2$
x_{12}	6.91397849462	$+0.892473x_{16}$	$+0.483871x_{15}$	$-0.537634x_{13}$	$+6.000000x_4$	$-0.806452x_{17}$	$+4.193548x_6$	$+4.301075x_2$
x_1	0.182795698925	$-0.021505x_{16}$	$+0.096774x_{15}$	$-0.107527x_{13}$	$-0.000000x_4$	$-0.161290x_{17}$	$-0.161290x_6$	$+0.860215x_2$
x_{14}	34.311827957	$+1.139785x_{16}$	$-1.129032x_{15}$	$-1.301075x_{13}$	$+5.000000x_4$	$-0.451613x_{17}$	$+5.548387x_6$	$-2.591398x_2$
x_7	2.66666666667	$+0.333333x_{16}$		$-0.333333x_{13}$	$+2.000000x_4$	$+0.000000x_{17}$	$+1.000000x_6$	$+0.666667x_2$
x_3	11.752688172	$+0.440860x_{16}$	$-0.483871x_{15}$	$-0.795699x_{13}$	$+4.000000x_4$	$-0.193548x_{17}$	$+1.806452x_6$	$+0.365591x_2$
x_5	6.79569892473	$+0.494624x_{16}$	$-0.225806x_{15}$	$-0.526882x_{13}$	$+3.000000x_4$	$-0.290323x_{17}$	$+1.709677x_6$	$+1.215054x_2$
z	25.1505376344	$+0.688172x_{16}$	$-1.096774x_{15}$	$-1.559140x_{13}$	$+7.000000x_4$	$-0.838710x_{17}$	$+4.161290x_6$	$+0.473118x_2$

x_2 enters and x_{11} leaves

x_8	69.9496402878	$-0.122302x_{16}$	$-2.568345x_{15}$	$-2.669065x_{13}$	$+15.028777x_4$	$-1.827338x_{17}$	$-1.446043x_6$	$-3.323741x_{11}$
x_9	10.7841726619	$-1.381295x_{16}$	$+0.492806x_{15}$	$+0.561151x_{13}$	$-6.233813x_4$	$-0.402878x_{17}$	$-7.125899x_6$	$-1.744604x_{11}$
x_{10}	61.3381294964	$+0.964029x_{16}$	$-1.755396x_{15}$	$-3.079137x_{13}$	$+14.949640x_4$	$-1.302158x_{17}$	$+4.280576x_6$	$-1.683453x_{11}$
x_2	0.381294964029	$-0.359712x_{16}$	$-0.053957x_{15}$	$+0.208633x_{13}$	$-1.003597x_4$	$-0.021583x_{17}$	$-1.694245x_6$	$-0.334532x_{11}$
x_{12}	8.55395683453	$-0.654676x_{16}$	$+0.251799x_{15}$	$+0.359712x_{13}$	$+1.683453x_4$	$-0.899281x_{17}$	$-3.093525x_6$	$-1.438849x_{11}$
x_1	0.510791366906	$-0.330935x_{16}$	$+0.050360x_{15}$	$+0.071942x_{13}$	$-0.863309x_4$	$-0.179856x_{17}$	$-1.618705x_6$	$-0.287770x_{11}$
x_{14}	33.3237410072	$+2.071942x_{16}$	$-0.989209x_{15}$	$-1.841727x_{13}$	$+7.600719x_4$	$-0.395683x_{17}$	$+9.938849x_6$	$+0.866906x_{11}$
x_7	2.92086330935	$+0.093525x_{16}$	$-0.035971x_{15}$	$-0.194245x_{13}$	$+1.330935x_4$	$-0.014388x_{17}$	$-0.129496x_6$	$-0.223022x_{11}$
x_3	11.8920863309	$+0.309353x_{16}$	$-0.503597x_{15}$	$-0.719424x_{13}$	$+3.633094x_4$	$-0.201439x_{17}$	$+1.187050x_6$	$-0.122302x_{11}$
x_5	7.25899280576	$+0.057554x_{16}$	$-0.291367x_{15}$	$-0.273381x_{13}$	$+1.780576x_4$	$-0.316547x_{17}$	$-0.348921x_6$	$-0.406475x_{11}$
z	25.3309352518	$+0.517986x_{16}$	$-1.122302x_{15}$	$-1.460432x_{13}$	$+6.525180x_4$	$-0.848921x_{17}$	$+3.359712x_6$	$-0.158273x_{11}$

x_4 enters and x_2 leaves

x_8	75.6594982079	$-5.508961x_{16} -3.376344x_{15} +0.455197x_{13} -14.974910x_2 -2.150538x_{17} -26.817204x_6 -8.333333x_{11}$
x_9	8.41577060932	$+0.853047x_{16} +0.827957x_{15} -0.734767x_{13} +6.211470x_2 -0.268817x_{17} +3.397849x_6 +0.333333x_{11}$
x_{10}	67.017921147	$-4.394265x_{16} -2.559140x_{15} +0.028674x_{13} -14.896057x_2 -1.623656x_{17} -20.956989x_6 -6.666667x_{11}$
x_4	0.379928315412	$-0.358423x_{16} -0.053763x_{15} +0.207885x_{13} -0.996416x_2 -0.021505x_{17} -1.688172x_6 -0.333333x_{11}$
x_{12}	9.1935483871	$-1.258065x_{16} +0.161290x_{15} +0.709677x_{13} -1.677419x_2 -0.935484x_{17} -5.935484x_6 -2.000000x_{11}$
x_1	0.182795698925	$-0.021505x_{16} +0.096774x_{15} -0.107527x_{13} +0.860215x_2 -0.161290x_{17} -0.161290x_6 +0.000000x_{11}$
x_{14}	36.2114695341	$-0.652330x_{16} -1.397849x_{15} -0.261649x_{13} -7.573477x_2 -0.559140x_{17} -2.892473x_6 -1.666667x_{11}$
x_7	3.42652329749	$-0.383513x_{16} -0.107527x_{15} +0.082437x_{13} -1.326165x_2 -0.043011x_{17} -2.376344x_6 -0.666667x_{11}$
x_3	13.2724014337	$-0.992832x_{16} -0.698925x_{15} +0.035842x_{13} -3.620072x_2 -0.279570x_{17} -4.946237x_6 -1.333333x_{11}$
x_5	7.93548387097	$-0.580645x_{16} -0.387097x_{15} +0.096774x_{13} -1.774194x_2 -0.354839x_{17} -3.354839x_6 -1.000000x_{11}$
z	27.8100358423	$-1.820789x_{16} -1.473118x_{15} -0.103943x_{13} -6.501792x_2 -0.989247x_{17} -7.655914x_6 -2.333333x_{11}$

x_{-1} enters and Final Dictionary Solution: 27.8100358423 Num Pivots: 8