x_8	13.0		$-2.000000x_2$	$-1.000000x_3$	$-3.000000x_4$	$+3.000000x_5$	$+2.000000x_7$
x_9	11.0	$+2.000000x_1$	$-2.000000x_2$	$+3.000000x_3$	$+1.000000x_4$	$-2.000000x_5$	$-2.000000x_6$ $-3.000000x_7$
x_{10}	4.0	$-1.000000x_1$	$-2.000000x_2$	$-3.000000x_3$		$-2.000000x_5$	$-1.000000x_6$ $+3.000000x_7$
x_{11}	11.0	$+3.000000x_1$	$+3.000000x_2$	$-3.000000x_3$	$+1.000000x_4$	$+3.000000x_5$	$-3.000000x_6$ $-1.000000x_7$
x_{12}	9.0	$+1.000000x_1$	$-3.000000x_2$	$+2.000000x_3$	$-3.000000x_4$	$-1.000000x_5$	$+1.000000x_6$
x_{13}	4.0	$-3.000000x_1$	$+1.000000x_2$	$+2.000000x_3$	$-3.000000x_4$	$-2.000000x_5$	$-3.000000x_6$ $+1.000000x_7$
x_{14}	14.0	$+1.000000x_1$	$-2.000000x_2$	$+1.000000x_3$	$-1.000000x_4$	$+1.000000x_5$	$+2.000000x_6$ $+2.000000x_7$
x_{15}	14.0	$+1.000000x_1$	$+1.000000x_2$	$-3.000000x_3$	$+3.000000x_4$		$+1.000000x_6$ $+3.000000x_7$
x_{16}	12.0	$+3.000000x_1$	$-3.000000x_2$	$-1.000000x_3$	$+3.000000x_4$	$+3.000000x_5$	$-2.000000x_6$ $+1.000000x_7$
x_{17}	7.0	$+3.000000x_1$	$+1.000000x_2$	$-1.000000x_3$	$+2.000000x_4$	$+2.000000x_5$	$+2.000000x_6$ $-1.000000x_7$
z	0.0		$-2.000000x_2$		$+1.000000x_4$		$+2.000000x_6$

No initialization required –¿ Proceed to Optimize.

x_8	13.0		$-2.000000x_2$	$-1.000000x_3$	$-3.000000x_4$	$+3.000000x_5$	$+2.000000x_7$
x_9	11.0	$+2.000000x_1$	$-2.000000x_2$	$+3.000000x_3$	$+1.000000x_4$	$-2.000000x_5$	$-2.000000x_6$ $-3.000000x_7$
x_{10}	4.0	$-1.000000x_1$	$-2.000000x_2$	$-3.000000x_3$		$-2.000000x_5$	$-1.000000x_6$ $+3.000000x_7$
x_{11}	11.0	$+3.000000x_1$	$+3.000000x_2$	$-3.000000x_3$	$+1.000000x_4$	$+3.000000x_5$	$-3.000000x_6$ $-1.000000x_7$
x_{12}	9.0	$+1.000000x_1$	$-3.000000x_2$	$+2.000000x_3$	$-3.000000x_4$	$-1.000000x_5$	$+1.000000x_6$
x_{13}	4.0	$-3.000000x_1$	$+1.000000x_2$	$+2.000000x_3$	$-3.000000x_4$	$-2.000000x_5$	$-3.000000x_6$ $+1.000000x_7$
x_{14}	14.0	$+1.000000x_1$	$-2.000000x_2$	$+1.000000x_3$	$-1.000000x_4$	$+1.000000x_5$	$+2.000000x_6$ $+2.000000x_7$
x_{15}	14.0	$+1.000000x_1$	$+1.000000x_2$	$-3.000000x_3$	$+3.000000x_4$		$+1.000000x_6$ $+3.000000x_7$
x_{16}	12.0	$+3.000000x_1$	$-3.000000x_2$	$-1.000000x_3$	$+3.000000x_4$	$+3.000000x_5$	$-2.000000x_6$ $+1.000000x_7$
x_{17}	7.0	$+3.000000x_1$	$+1.000000x_2$	$-1.000000x_3$	$+2.000000x_4$	$+2.000000x_5$	$+2.000000x_6$ $-1.000000x_7$
z	0.0		$-2.000000x_2$		$+1.000000x_4$		$+2.000000x_6$

x_4 enters and x_{13} leaves

x_8	9.0	$+3.000000x_1$	$-3.000000x_2$	$-3.000000x_3$	$+1.000000x_{13}$	$+5.000000x_5$	$+3.000000x_6$ $+1.000000x_7$
x_9	12.3333333333	$+1.000000x_1$	$-1.666667x_2$	$+3.666667x_3$	$-0.333333x_{13}$	$-2.666667x_5$	$-3.000000x_6$ $-2.666667x_7$
x_{10}	4.0	$-1.000000x_1$	$-2.000000x_2$	$-3.000000x_3$		$-2.000000x_5$	$-1.000000x_6$ $+3.000000x_7$
x_{11}	12.3333333333	$+2.000000x_1$	$+3.333333x_2$	$-2.333333x_3$	$-0.333333x_{13}$	$+2.333333x_5$	$-4.000000x_6$ $-0.666667x_7$
x_{12}	5.0	$+4.000000x_1$	$-4.000000x_2$		$+1.000000x_{13}$	$+1.000000x_5$	$+4.000000x_6$ $-1.000000x_7$
x_4	1.33333333333	$-1.000000x_1$	$+0.333333x_2$	$+0.666667x_3$	$-0.333333x_{13}$	$-0.666667x_5$	$-1.000000x_6$ $+0.333333x_7$
x_{14}	12.6666666667	$+2.000000x_1$	$-2.333333x_2$	$+0.333333x_3$	$+0.333333x_{13}$	$+1.666667x_5$	$+3.000000x_6$ $+1.666667x_7$
x_{15}	18.0	$-2.000000x_1$	$+2.000000x_2$	$-1.000000x_3$	$-1.000000x_{13}$	$-2.000000x_5$	$-2.000000x_6$ $+4.000000x_7$
x_{16}	16.0		$-2.000000x_2$	$+1.000000x_3$	$-1.000000x_{13}$	$+1.000000x_5$	$-5.000000x_6$ $+2.000000x_7$
x_{17}	9.66666666667	$+1.000000x_1$	$+1.666667x_2$	$+0.333333x_3$	$-0.666667x_{13}$	$+0.666667x_5$	$-0.333333x_7$
z	1.33333333333	$-1.000000x_1$	$-1.666667x_2$	$+0.666667x_3$	$-0.333333x_{13}$	$-0.666667x_5$	$+1.000000x_6$ $+0.333333x_7$

x_3 enters and x_{10} leaves

x_8	5.0	$+4.000000x_1 -1.000000x_2 +1.000000x_{10} +1.000000x_{13} +7.000000x_5 +4.000000x_6 -2.000000x_7$
x_9	17.2222222222	$-0.222222x_1 -4.111111x_2 -1.222222x_{10} -0.333333x_{13} -5.111111x_5 -4.222222x_6 +1.000000x_7$
x_3	1.33333333333	$-0.333333x_1 -0.666667x_2 -0.333333x_{10} -0.666667x_5 -0.333333x_6 +1.000000x_7$
x_{11}	9.22222222222	$+2.777778x_1 +4.888889x_2 +0.777778x_{10} -0.333333x_{13} +3.888889x_5 -3.222222x_6 -3.000000x_7$
x_{12}	5.0	$+4.000000x_1 -4.000000x_2 +1.000000x_{13} +1.000000x_5 +4.000000x_6 -1.000000x_7$
x_4	2.22222222222	$-1.222222x_1 -0.111111x_2 -0.222222x_{10} -0.333333x_{13} -1.111111x_5 -1.222222x_6 +1.000000x_7$
x_{14}	13.1111111111	$+1.888889x_1 -2.555556x_2 -0.111111x_{10} +0.333333x_{13} +1.444444x_5 +2.888889x_6 +2.000000x_7$
x_{15}	16.6666666667	$-1.666667x_1 +2.666667x_2 +0.333333x_{10} -1.000000x_{13} -1.333333x_5 -1.666667x_6 +3.000000x_7$
x_{16}	17.3333333333	$-0.333333x_1 -2.666667x_2 -0.333333x_{10} -1.000000x_{13} +0.333333x_5 -5.333333x_6 +3.000000x_7$
x_{17}	10.1111111111	$+0.888889x_1 +1.444444x_2 -0.111111x_{10} -0.666667x_{13} +0.444444x_5 -0.111111x_6 -0.000000x_7$
z	2.22222222222	$-1.222222x_1 -2.111111x_2 -0.222222x_{10} -0.333333x_{13} -1.111111x_5 +0.777778x_6 +1.000000x_7$

x_6 enters and x_4 leaves

x_8	12.2727272727	$-1.363636x_2 +0.272727x_{10} -0.090909x_{13} +3.363636x_5 -3.272727x_4 +1.272727x_7$
x_9	9.54545454545	$+4.000000x_1 -3.727273x_2 -0.454545x_{10} +0.818182x_{13} -1.272727x_5 +3.454545x_4 -2.454545x_7$
x_3	0.727272727273	$-0.636364x_2 -0.272727x_{10} +0.090909x_{13} -0.363636x_5 +0.272727x_4 +0.727273x_7$
x_{11}	3.36363636364	$+6.000000x_1 +5.181818x_2 +1.363636x_{10} +0.545455x_{13} +6.818182x_5 +2.636364x_4 -5.636364x_7$
x_{12}	12.2727272727	$-4.363636x_2 -0.727273x_{10} -0.090909x_{13} -2.636364x_5 -3.272727x_4 +2.272727x_7$
x_6	1.81818181818	$-1.000000x_1 -0.090909x_2 -0.181818x_{10} -0.272727x_{13} -0.909091x_5 -0.818182x_4 +0.818182x_7$
x_{14}	18.3636363636	$-1.000000x_1 -2.818182x_2 -0.636364x_{10} -0.454545x_{13} -1.181818x_5 -2.363636x_4 +4.363636x_7$
x_{15}	13.6363636364	$+2.818182x_2 +0.636364x_{10} -0.545455x_{13} +0.181818x_5 +1.363636x_4 +1.636364x_7$
x_{16}	7.63636363636	$+5.000000x_1 -2.181818x_2 +0.636364x_{10} +0.454545x_{13} +5.181818x_5 +4.363636x_4 -1.363636x_7$
x_{17}	9.90909090909	$+1.000000x_1 +1.454545x_2 -0.090909x_{10} -0.636364x_{13} +0.545455x_5 +0.090909x_4 -0.090909x_7$
z	3.63636363636	$-2.000000x_1 -2.181818x_2 -0.363636x_{10} -0.545455x_{13} -1.818182x_5 -0.636364x_4 +1.636364x_7$

x_7 enters and x_{11} leaves

x_8	13.0322580645	$+1.354839x_1 -0.193548x_2 +0.580645x_{10} +0.032258x_{13} +4.903226x_5 -2.677419x_4 -0.225806x_{11}$
x_9	8.08064516129	$+1.387097x_1 -5.983871x_2 -1.048387x_{10} +0.580645x_{13} -4.241935x_5 +2.306452x_4 +0.435484x_{11}$
x_3	1.16129032258	$+0.774194x_1 +0.032258x_2 -0.096774x_{10} +0.161290x_{13} +0.516129x_5 +0.612903x_4 -0.129032x_{11}$
x_7	0.596774193548	$+1.064516x_1 +0.919355x_2 +0.241935x_{10} +0.096774x_{13} +1.209677x_5 +0.467742x_4 -0.177419x_{11}$
x_{12}	13.6290322581	$+2.419355x_1 -2.274194x_2 -0.177419x_{10} +0.129032x_{13} +0.112903x_5 -2.209677x_4 -0.403226x_{11}$
x_6	2.3064516129	$-0.129032x_1 +0.661290x_2 +0.016129x_{10} -0.193548x_{13} +0.080645x_5 -0.435484x_4 -0.145161x_{11}$
x_{14}	20.9677419355	$+3.645161x_1 +1.193548x_2 +0.419355x_{10} -0.032258x_{13} +4.096774x_5 -0.322581x_4 -0.774194x_{11}$
x_{15}	14.6129032258	$+1.741935x_1 +4.322581x_2 +1.032258x_{10} -0.387097x_{13} +2.161290x_5 +2.129032x_4 -0.290323x_{11}$
x_{16}	6.82258064516	$+3.548387x_1 -3.435484x_2 +0.306452x_{10} +0.322581x_{13} +3.532258x_5 +3.725806x_4 +0.241935x_{11}$
x_{17}	9.85483870968	$+0.903226x_1 +1.370968x_2 -0.112903x_{10} -0.645161x_{13} +0.435484x_5 +0.048387x_4 +0.016129x_{11}$
z	4.61290322581	$-0.258065x_1 -0.677419x_2 +0.032258x_{10} -0.387097x_{13} +0.161290x_5 +0.129032x_4 -0.290323x_{11}$

x_4 enters and x_8 leaves

x_4	4.86746987952	$+0.506024x_1$	$-0.072289x_2$	$+0.216867x_{10}$	$+0.012048x_{13}$	$+1.831325x_5$	$-0.373494x_8$	$-0.084337x_{11}$
x_9	19.3072289157	$+2.554217x_1$	$-6.150602x_2$	$-0.548193x_{10}$	$+0.608434x_{13}$	$-0.018072x_5$	$-0.861446x_8$	$+0.240964x_{11}$
x_3	4.14457831325	$+1.084337x_1$	$-0.012048x_2$	$+0.036145x_{10}$	$+0.168675x_{13}$	$+1.638554x_5$	$-0.228916x_8$	$-0.180723x_{11}$
x_7	2.8734939759	$+1.301205x_1$	$+0.885542x_2$	$+0.343373x_{10}$	$+0.102410x_{13}$	$+2.066265x_5$	$-0.174699x_8$	$-0.216867x_{11}$
x_{12}	2.8734939759	$+1.301205x_1$	$-2.114458x_2$	$-0.656627x_{10}$	$+0.102410x_{13}$	$-3.933735x_5$	$+0.825301x_8$	$-0.216867x_{11}$
x_6	0.186746987952	$-0.349398x_1$	$+0.692771x_2$	$-0.078313x_{10}$	$-0.198795x_{13}$	$-0.716867x_5$	$+0.162651x_8$	$-0.108434x_{11}$
x_{14}	19.3975903614	$+3.481928x_1$	$+1.216867x_2$	$+0.349398x_{10}$	$-0.036145x_{13}$	$+3.506024x_5$	$+0.120482x_8$	$-0.746988x_{11}$
x_{15}	24.9759036145	$+2.819277x_1$	$+4.168675x_2$	$+1.493976x_{10}$	$-0.361446x_{13}$	$+6.060241x_5$	$-0.795181x_8$	$-0.469880x_{11}$
x_{16}	24.9578313253	$+5.433735x_1$	$-3.704819x_2$	$+1.114458x_{10}$	$+0.367470x_{13}$	$+10.355422x_5$	$-1.391566x_8$	$-0.072289x_{11}$
x_{17}	10.0903614458	$+0.927711x_1$	$+1.367470x_2$	$-0.102410x_{10}$	$-0.644578x_{13}$	$+0.524096x_5$	$-0.018072x_8$	$+0.012048x_{11}$
z	5.24096385542	$-0.192771x_1$	$-0.686747x_2$	$+0.060241x_{10}$	$-0.385542x_{13}$	$+0.397590x_5$	$-0.048193x_8$	$-0.301205x_{11}$

x_5 enters and x_6 leaves

x_4	5.34453781513	$-0.386555x_1$	$+1.697479x_2$	$+0.016807x_{10}$	$-0.495798x_{13}$	$-2.554622x_6$	$+0.042017x_8$	$-0.361345x_{11}$
x_9	19.3025210084	$+2.563025x_1$	$-6.168067x_2$	$-0.546218x_{10}$	$+0.613445x_{13}$	$+0.025210x_6$	$-0.865546x_8$	$+0.243697x_{11}$
x_3	4.57142857143	$+0.285714x_1$	$+1.571429x_2$	$-0.142857x_{10}$	$-0.285714x_{13}$	$-2.285714x_6$	$+0.142857x_8$	$-0.428571x_{11}$
x_7	3.41176470588	$+0.294118x_1$	$+2.882353x_2$	$+0.117647x_{10}$	$-0.470588x_{13}$	$-2.882353x_6$	$+0.294118x_8$	$-0.529412x_{11}$
x_{12}	1.8487394958	$+3.218487x_1$	$-5.915966x_2$	$-0.226891x_{10}$	$+1.193277x_{13}$	$+5.487395x_6$	$-0.067227x_8$	$+0.378151x_{11}$
x_5	0.260504201681	$-0.487395x_1$	$+0.966387x_2$	$-0.109244x_{10}$	$-0.277311x_{13}$	$-1.394958x_6$	$+0.226891x_8$	$-0.151261x_{11}$
x_{14}	20.3109243697	$+1.773109x_1$	$+4.605042x_2$	$-0.033613x_{10}$	$-1.008403x_{13}$	$-4.890756x_6$	$+0.915966x_8$	$-1.277311x_{11}$
x_{15}	26.5546218487	$-0.134454x_1$	$+10.025210x_2$	$+0.831933x_{10}$	$-2.042017x_{13}$	$-8.453782x_6$	$+0.579832x_8$	$-1.386555x_{11}$
x_{16}	27.6554621849	$+0.386555x_1$	$+6.302521x_2$	$-0.016807x_{10}$	$-2.504202x_{13}$	$-14.445378x_6$	$+0.957983x_8$	$-1.638655x_{11}$
x_{17}	10.2268907563	$+0.672269x_1$	$+1.873950x_2$	$-0.159664x_{10}$	$-0.789916x_{13}$	$-0.731092x_6$	$+0.100840x_8$	$-0.067227x_{11}$
z	5.34453781513	$-0.386555x_1$	$-0.302521x_2$	$+0.016807x_{10}$	$-0.495798x_{13}$	$-0.554622x_6$	$+0.042017x_8$	$-0.361345x_{11}$

x_8 enters and x_9 leaves

x_4	6.28155339806	$-0.262136x_1$	$+1.398058x_2$	$-0.009709x_{10}$	$-0.466019x_{13}$	$-2.553398x_6$	$-0.048544x_9$	$-0.349515x_{11}$
x_8	22.3009708738	$+2.961165x_1$	$-7.126214x_2$	$-0.631068x_{10}$	$+0.708738x_{13}$	$+0.029126x_6$	$-1.155340x_9$	$+0.281553x_{11}$
x_3	7.7572815534	$+0.708738x_1$	$+0.553398x_2$	$-0.233010x_{10}$	$-0.184466x_{13}$	$-2.281553x_6$	$-0.165049x_9$	$-0.388350x_{11}$
x_7	9.97087378641	$+1.165049x_1$	$+0.786408x_2$	$-0.067961x_{10}$	$-0.262136x_{13}$	$-2.873786x_6$	$-0.339806x_9$	$-0.446602x_{11}$
x_{12}	0.349514563107	$+3.019417x_1$	$-5.436893x_2$	$-0.184466x_{10}$	$+1.145631x_{13}$	$+5.485437x_6$	$+0.077670x_9$	$+0.359223x_{11}$
x_5	5.32038834951	$+0.184466x_1$	$-0.650485x_2$	$-0.252427x_{10}$	$-0.116505x_{13}$	$-1.388350x_6$	$-0.262136x_9$	$-0.087379x_{11}$
x_{14}	40.7378640777	$+4.485437x_1$	$-1.922330x_2$	$-0.611650x_{10}$	$-0.359223x_{13}$	$-4.864078x_6$	$-1.058252x_9$	$-1.019417x_{11}$
x_{15}	39.4854368932	$+1.582524x_1$	$+5.893204x_2$	$+0.466019x_{10}$	$-1.631068x_{13}$	$-8.436893x_6$	$-0.669903x_9$	$-1.223301x_{11}$
x_{16}	49.0194174757	$+3.223301x_1$	$-0.524272x_2$	$-0.621359x_{10}$	$-1.825243x_{13}$	$-14.417476x_6$	$-1.106796x_9$	$-1.368932x_{11}$
x_{17}	12.4757281553	$+0.970874x_1$	$+1.155340x_2$	$-0.223301x_{10}$	$-0.718447x_{13}$	$-0.728155x_6$	$-0.116505x_9$	$-0.038835x_{11}$
z	6.28155339806	$-0.262136x_1$	$-0.601942x_2$	$-0.009709x_{10}$	$-0.466019x_{13}$	$-0.553398x_6$	$-0.048544x_9$	$-0.349515x_{11}$

x_{-1} enters and Final Dictionary Solution: 6.28155339806 Num Pivots: 7