x_9	8.0	$-3.000000x_1$	$+2.000000x_2$	$+3.000000x_3$	$+1.000000x_4$	$-3.000000x_5$	$-1.000000x_6$	$-1.000000x_7$	
x_{10}	12.0	$+3.000000x_1$	$-1.000000x_2$	$-1.000000x_3$	$-1.000000x_4$	$-3.000000x_5$	$-1.000000x_6$	$+2.000000x_7$	$-3.000000x_8$
x_{11}	4.0	$-2.000000x_1$	$-2.000000x_2$	$+1.000000x_3$	$+3.000000x_4$	$-3.000000x_5$		$-3.000000x_7$	
x_{12}	8.0	$-2.000000x_1$		$-3.000000x_3$	$+3.000000x_4$	$+3.000000x_5$	$+2.000000x_6$	$+3.000000x_7$	$+3.000000x_8$
x_{13}	9.0	$-2.000000x_1$		$-1.000000x_3$	$-2.000000x_4$	$+1.000000x_5$	$-1.000000x_6$	$-1.000000x_7$	$-2.000000x_8$
x_{14}	11.0		$-1.000000x_2$				$-1.000000x_6$	$+1.000000x_7$	$+1.000000x_8$
x_{15}	4.0		$+1.000000x_2$	$-3.000000x_3$	$+1.000000x_4$	$-2.000000x_5$			$+3.000000x_8$
x_{16}	15.0	$-3.000000x_1$	$+1.000000x_2$	$+1.000000x_3$	$-1.000000x_4$	$-1.000000x_5$			$-2.000000x_8$
x_{17}	10.0	$+2.000000x_1$	$+1.000000x_2$	$-1.000000x_3$	$+2.000000x_4$		$-1.000000x_6$	$+1.000000x_7$	$-1.000000x_8$
x_{18}	2.0	$+3.000000x_1$	$+2.000000x_2$	$+3.000000x_3$	$+1.000000x_4$	$+1.000000x_5$	$-2.000000x_6$	$-1.000000x_7$	$+2.000000x_8$
x_{19}	3.0	$+1.000000x_1$	$-2.000000x_2$	$+3.000000x_3$	$+2.000000x_4$		$+3.000000x_6$	$+2.000000x_7$	$+2.000000x_8$
x_{20}	5.0	$+1.000000x_1$	$-3.000000x_2$	$+2.000000x_3$	$+3.000000x_4$	$+1.000000x_5$		$+1.000000x_7$	$-2.000000x_8$
x_{21}	9.0	$-2.000000x_1$		$-1.000000x_3$	$+2.000000x_4$	$-1.000000x_5$	$-1.000000x_6$	$+3.000000x_7$	
x_{22}	13.0	$+2.000000x_1$	$+1.000000x_2$		$+2.000000x_4$	$-2.000000x_5$	$+2.000000x_6$		$+3.000000x_8$
x_{23}	13.0	$+1.000000x_1$	$-1.000000x_2$	$+1.000000x_3$	$+3.000000x_4$	$-3.000000x_5$	$+1.000000x_6$	$-1.000000x_7$	$-1.000000x_8$
z	0.0	$-1.000000x_1$	$-2.000000x_2$	$-2.000000x_3$	$-1.000000x_4$	$+2.000000x_5$	$+1.000000x_6$		$-2.000000x_8$

No initialization required –¿ Proceed to Optimize.

x_9	8.0	$-3.000000x_1$	$+2.000000x_2$	$+3.000000x_3$	$+1.000000x_4$	$-3.000000x_5$	$-1.000000x_6$	$-1.000000x_7$	
x_{10}	12.0	$+3.000000x_1$	$-1.000000x_2$	$-1.000000x_3$	$-1.000000x_4$	$-3.000000x_5$	$-1.000000x_6$	$+2.000000x_7$	$-3.000000x_8$
x_{11}	4.0	$-2.000000x_1$	$-2.000000x_2$	$+1.000000x_3$	$+3.000000x_4$	$-3.000000x_5$		$-3.000000x_7$	
x_{12}	8.0	$-2.000000x_1$		$-3.000000x_3$	$+3.000000x_4$	$+3.000000x_5$	$+2.000000x_6$	$+3.000000x_7$	$+3.000000x_8$
x_{13}	9.0	$-2.000000x_1$		$-1.000000x_3$	$-2.000000x_4$	$+1.000000x_5$	$-1.000000x_6$	$-1.000000x_7$	$-2.000000x_8$
x_{14}	11.0		$-1.000000x_2$				$-1.000000x_6$	$+1.000000x_7$	$+1.000000x_8$
x_{15}	4.0		$+1.000000x_2$	$-3.000000x_3$	$+1.000000x_4$	$-2.000000x_5$			$+3.000000x_8$
x_{16}	15.0	$-3.000000x_1$	$+1.000000x_2$	$+1.000000x_3$	$-1.000000x_4$	$-1.000000x_5$			$-2.000000x_8$
x_{17}	10.0	$+2.000000x_1$	$+1.000000x_2$	$-1.000000x_3$	$+2.000000x_4$		$-1.000000x_6$	$+1.000000x_7$	$-1.000000x_8$
x_{18}	2.0	$+3.000000x_1$	$+2.000000x_2$	$+3.000000x_3$	$+1.000000x_4$	$+1.000000x_5$	$-2.000000x_6$	$-1.000000x_7$	$+2.000000x_8$
x_{19}	3.0	$+1.000000x_1$	$-2.000000x_2$	$+3.000000x_3$	$+2.000000x_4$		$+3.000000x_6$	$+2.000000x_7$	$+2.000000x_8$
x_{20}	5.0	$+1.000000x_1$	$-3.000000x_2$	$+2.000000x_3$	$+3.000000x_4$	$+1.000000x_5$		$+1.000000x_7$	$-2.000000x_8$
x_{21}	9.0	$-2.000000x_1$		$-1.000000x_3$	$+2.000000x_4$	$-1.000000x_5$	$-1.000000x_6$	$+3.000000x_7$	
x_{22}	13.0	$+2.000000x_1$	$+1.000000x_2$		$+2.000000x_4$	$-2.000000x_5$	$+2.000000x_6$		$+3.000000x_8$
x_{23}	13.0	$+1.000000x_1$	$-1.000000x_2$	$+1.000000x_3$	$+3.000000x_4$	$-3.000000x_5$	$+1.000000x_6$	$-1.000000x_7$	$-1.000000x_8$
z	0.0	$-1.000000x_1$	$-2.000000x_2$	$-2.000000x_3$	$-1.000000x_4$	$+2.000000x_5$	$+1.000000x_6$		$-2.000000x_8$

x_5 enters and x_{11} leaves

x_9	4.0	$-1.000000x_1$	$+4.000000x_2$	$+2.000000x_3$	$-2.000000x_4$	$+1.000000x_{11}$	$-1.000000x_6$	$+2.000000x_7$	
x_{10}	8.0	$+5.000000x_1$	$+1.000000x_2$	$-2.000000x_3$	$-4.000000x_4$	$+1.000000x_{11}$	$-1.000000x_6$	$+5.000000x_7$	-3.000
x_5	1.33333333333	$-0.666667x_1$	$-0.666667x_2$	$+0.333333x_3$	$+1.000000x_4$	$-0.333333x_{11}$		$-1.000000x_7$	
x_{12}	12.0	$-4.000000x_1$	$-2.000000x_2$	$-2.000000x_3$	$+6.000000x_4$	$-1.000000x_{11}$	$+2.000000x_6$		$+3.000$
x_{13}	10.3333333333	$-2.666667x_1$	$-0.666667x_2$	$-0.666667x_3$	$-1.000000x_4$	$-0.333333x_{11}$	$-1.000000x_6$	$-2.000000x_7$	-2.000
x_{14}	11.0		$-1.000000x_2$				$-1.000000x_6$	$+1.000000x_7$	$+1.000$
x_{15}	1.33333333333	$+1.333333x_1$	$+2.333333x_2$	$-3.666667x_3$	$-1.000000x_4$	$+0.666667x_{11}$		$+2.000000x_7$	$+3.000$
x_{16}	13.6666666667	$-2.333333x_1$	$+1.666667x_2$	$+0.666667x_3$	$-2.000000x_4$	$+0.333333x_{11}$		$+1.000000x_7$	-2.000
x_{17}	10.0	$+2.000000x_1$	$+1.000000x_2$	$-1.000000x_3$	$+2.000000x_4$		$-1.000000x_6$	$+1.000000x_7$	-1.000
x_{18}	3.33333333333	$+2.333333x_1$	$+1.333333x_2$	$+3.333333x_3$	$+2.000000x_4$	$-0.333333x_{11}$	$-2.000000x_6$	$-2.000000x_7$	$+2.000$
x_{19}	3.0	$+1.000000x_1$	$-2.000000x_2$	$+3.000000x_3$	$+2.000000x_4$		$+3.000000x_6$	$+2.000000x_7$	$+2.000$
x_{20}	6.33333333333	$+0.333333x_1$	$-3.666667x_2$	$+2.333333x_3$	$+4.000000x_4$	$-0.333333x_{11}$			-2.000
x_{21}	7.66666666667	$-1.333333x_1$	$+0.666667x_2$	$-1.333333x_3$	$+1.000000x_4$	$+0.333333x_{11}$	$-1.000000x_6$	$+4.000000x_7$	
x_{22}	10.3333333333	$+3.333333x_1$	$+2.333333x_2$	$-0.666667x_3$		$+0.666667x_{11}$	$+2.000000x_6$	$+2.000000x_7$	$+3.000$
x_{23}	9.0	$+3.000000x_1$	$+1.000000x_2$			$+1.000000x_{11}$	$+1.000000x_6$	$+2.000000x_7$	-1.000
z	2.66666666667	$-2.333333x_1$	$-3.333333x_2$	$-1.333333x_3$	$+1.000000x_4$	$-0.666667x_{11}$	$+1.000000x_6$	$-2.000000x_7$	-2.000

x_4 enters and x_{15} leaves

x_9	1.33333333333	$-3.666667x_1$	$-0.666667x_2$	$+9.333333x_3$	$+2.000000x_{15}$	$-0.333333x_{11}$	$-1.000000x_6$	$-2.000000x_7$	-6
x_{10}	2.66666666667	$-0.333333x_1$	$-8.333333x_2$	$+12.666667x_3$	$+4.000000x_{15}$	$-1.666667x_{11}$	$-1.000000x_6$	$-3.000000x_7$	-1
x_5	2.66666666667	$+0.666667x_1$	$+1.666667x_2$	$-3.333333x_3$	$-1.000000x_{15}$	$+0.333333x_{11}$		$+1.000000x_7$	$+3$
x_{12}	20.0	$+4.000000x_1$	$+12.000000x_2$	$-24.000000x_3$	$-6.000000x_{15}$	$+3.000000x_{11}$	$+2.000000x_6$	$+12.000000x_7$	$+2$
x_{13}	9.0	$-4.000000x_1$	$-3.000000x_2$	$+3.000000x_3$	$+1.000000x_{15}$	$-1.000000x_{11}$	$-1.000000x_6$	$-4.000000x_7$	-5
x_{14}	11.0		$-1.000000x_2$				$-1.000000x_6$	$+1.000000x_7$	$+1$
x_4	1.33333333333	$+1.333333x_1$	$+2.333333x_2$	$-3.666667x_3$	$-1.000000x_{15}$	$+0.666667x_{11}$		$+2.000000x_7$	$+3$
x_{16}	11.0	$-5.000000x_1$	$-3.000000x_2$	$+8.000000x_3$	$+2.000000x_{15}$	$-1.000000x_{11}$		$-3.000000x_7$	-8
x_{17}	12.6666666667	$+4.666667x_1$	$+5.666667x_2$	$-8.333333x_3$	$-2.000000x_{15}$	$+1.333333x_{11}$	$-1.000000x_6$	$+5.000000x_7$	$+5$
x_{18}	6.0	$+5.000000x_1$	$+6.000000x_2$	$-4.000000x_3$	$-2.000000x_{15}$	$+1.000000x_{11}$	$-2.000000x_6$	$+2.000000x_7$	$+8$
x_{19}	5.66666666667	$+3.666667x_1$	$+2.666667x_2$	$-4.333333x_3$	$-2.000000x_{15}$	$+1.333333x_{11}$	$+3.000000x_6$	$+6.000000x_7$	$+8$
x_{20}	11.6666666667	$+5.666667x_1$	$+5.666667x_2$	$-12.333333x_3$	$-4.000000x_{15}$	$+2.333333x_{11}$		$+8.000000x_7$	$+1$
x_{21}	9.0	$-0.000000x_1$	$+3.000000x_2$	$-5.000000x_3$	$-1.000000x_{15}$	$+1.000000x_{11}$	$-1.000000x_6$	$+6.000000x_7$	$+3$
x_{22}	10.3333333333	$+3.333333x_1$	$+2.333333x_2$	$-0.666667x_3$		$+0.666667x_{11}$	$+2.000000x_6$	$+2.000000x_7$	$+3$
x_{23}	9.0	$+3.000000x_1$	$+1.000000x_2$			$+1.000000x_{11}$	$+1.000000x_6$	$+2.000000x_7$	-1
z	4.0	$-1.000000x_1$	$-1.000000x_2$	$-5.000000x_3$	$-1.000000x_{15}$		$+1.000000x_6$		$+1$

x_6 enters and x_9 leaves

x_6	1.33333333333	$-3.666667x_1$	$-0.666667x_2$	$+9.333333x_3$	$+2.000000x_{15}$	$-0.333333x_{11}$	$-1.000000x_9$	$-2.000000x_7$	-6
x_{10}	1.33333333333	$+3.333333x_1$	$-7.666667x_2$	$+3.333333x_3$	$+2.000000x_{15}$	$-1.333333x_{11}$	$+1.000000x_9$	$-1.000000x_7$	-9
x_5	2.66666666667	$+0.666667x_1$	$+1.666667x_2$	$-3.333333x_3$	$-1.000000x_{15}$	$+0.333333x_{11}$		$+1.000000x_7$	$+3$
x_{12}	22.6666666667	$-3.333333x_1$	$+10.666667x_2$	$-5.333333x_3$	$-2.000000x_{15}$	$+2.333333x_{11}$	$-2.000000x_9$	$+8.000000x_7$	$+9$
x_{13}	7.66666666667	$-0.333333x_1$	$-2.333333x_2$	$-6.333333x_3$	$-1.000000x_{15}$	$-0.666667x_{11}$	$+1.000000x_9$	$-2.000000x_7$	$+1$
x_{14}	9.66666666667	$+3.666667x_1$	$-0.333333x_2$	$-9.333333x_3$	$-2.000000x_{15}$	$+0.333333x_{11}$	$+1.000000x_9$	$+3.000000x_7$	$+7$
x_4	1.33333333333	$+1.333333x_1$	$+2.333333x_2$	$-3.666667x_3$	$-1.000000x_{15}$	$+0.666667x_{11}$		$+2.000000x_7$	$+3$
x_{16}	11.0	$-5.000000x_1$	$-3.000000x_2$	$+8.000000x_3$	$+2.000000x_{15}$	$-1.000000x_{11}$		$-3.000000x_7$	-8
x_{17}	11.3333333333	$+8.333333x_1$	$+6.333333x_2$	$-17.666667x_3$	$-4.000000x_{15}$	$+1.666667x_{11}$	$+1.000000x_9$	$+7.000000x_7$	$+1$
x_{18}	3.33333333333	$+12.333333x_1$	$+7.333333x_2$	$-22.666667x_3$	$-6.000000x_{15}$	$+1.666667x_{11}$	$+2.000000x_9$	$+6.000000x_7$	$+2$
x_{19}	9.66666666667	$-7.333333x_1$	$+0.666667x_2$	$+23.666667x_3$	$+4.000000x_{15}$	$+0.333333x_{11}$	$-3.000000x_9$		-1
x_{20}	11.6666666667	$+5.666667x_1$	$+5.666667x_2$	$-12.333333x_3$	$-4.000000x_{15}$	$+2.333333x_{11}$		$+8.000000x_7$	$+1$
x_{21}	7.66666666667	$+3.666667x_1$	$+3.666667x_2$	$-14.333333x_3$	$-3.000000x_{15}$	$+1.333333x_{11}$	$+1.000000x_9$	$+8.000000x_7$	$+9$
x_{22}	13.0	$-4.000000x_1$	$+1.000000x_2$	$+18.000000x_3$	$+4.000000x_{15}$	$+0.000000x_{11}$	$-2.000000x_9$	$-2.000000x_7$	-9
x_{23}	10.3333333333	$-0.666667x_1$	$+0.333333x_2$	$+9.333333x_3$	$+2.000000x_{15}$	$+0.666667x_{11}$	$-1.000000x_9$		-7
z	5.33333333333	$-4.666667x_1$	$-1.666667x_2$	$+4.333333x_3$	$+1.000000x_{15}$	$-0.333333x_{11}$	$-1.000000x_9$	$-2.000000x_7$	-5

x_3 enters and x_{18} leaves

x_6	2.70588235294	$+1.411765x_1$	$+2.352941x_2$	$-0.411765x_{18}$	$-0.470588x_{15}$	$+0.352941x_{11}$	$-0.176471x_9$	$+0.470588x_7$	$+2.$
x_{10}	1.82352941176	$+5.147059x_1$	$-6.588235x_2$	$-0.147059x_{18}$	$+1.117647x_{15}$	$-1.088235x_{11}$	$+1.294118x_9$	$-0.117647x_7$	$-6.$
x_5	2.17647058824	$-1.147059x_1$	$+0.588235x_2$	$+0.147059x_{18}$	$-0.117647x_{15}$	$+0.088235x_{11}$	$-0.294118x_9$	$+0.117647x_7$	$+0.$
x_{12}	21.8823529412	$-6.235294x_1$	$+8.941176x_2$	$+0.235294x_{18}$	$-0.588235x_{15}$	$+1.941176x_{11}$	$-2.470588x_9$	$+6.588235x_7$	$+4.$
x_{13}	6.73529411765	$-3.779412x_1$	$-4.382353x_2$	$+0.279412x_{18}$	$+0.676471x_{15}$	$-1.132353x_{11}$	$+0.441176x_9$	$-3.676471x_7$	$-4.$
x_{14}	8.29411764706	$-1.411765x_1$	$-3.352941x_2$	$+0.411765x_{18}$	$+0.470588x_{15}$	$-0.352941x_{11}$	$+0.176471x_9$	$+0.529412x_7$	$-1.$
x_4	0.794117647059	$-0.661765x_1$	$+1.147059x_2$	$+0.161765x_{18}$	$-0.029412x_{15}$	$+0.397059x_{11}$	$-0.323529x_9$	$+1.029412x_7$	$-0.$
x_{16}	12.1764705882	$-0.647059x_1$	$-0.411765x_2$	$-0.352941x_{18}$	$-0.117647x_{15}$	$-0.411765x_{11}$	$+0.705882x_9$	$-0.882353x_7$	$-0.$
x_{17}	8.73529411765	$-1.279412x_1$	$+0.617647x_2$	$+0.779412x_{18}$	$+0.676471x_{15}$	$+0.367647x_{11}$	$-0.558824x_9$	$+2.323529x_7$	$-4.$
x_3	0.147058823529	$+0.544118x_1$	$+0.323529x_2$	$-0.044118x_{18}$	$-0.264706x_{15}$	$+0.073529x_{11}$	$+0.088235x_9$	$+0.264706x_7$	$+0.$
x_{19}	13.1470588235	$+5.544118x_1$	$+8.323529x_2$	$-1.044118x_{18}$	$-2.264706x_{15}$	$+2.073529x_{11}$	$-0.911765x_9$	$+6.264706x_7$	$+10.$
x_{20}	9.85294117647	$-1.044118x_1$	$+1.676471x_2$	$+0.544118x_{18}$	$-0.735294x_{15}$	$+1.426471x_{11}$	$-1.088235x_9$	$+4.735294x_7$	$-0.$
x_{21}	5.55882352941	$-4.132353x_1$	$-0.970588x_2$	$+0.632353x_{18}$	$+0.794118x_{15}$	$+0.279412x_{11}$	$-0.264706x_9$	$+4.205882x_7$	$-3.$
x_{22}	15.6470588235	$+5.794118x_1$	$+6.823529x_2$	$-0.794118x_{18}$	$-0.764706x_{15}$	$+1.323529x_{11}$	$-0.411765x_9$	$+2.764706x_7$	$+6.$
x_{23}	11.7058823529	$+4.411765x_1$	$+3.352941x_2$	$-0.411765x_{18}$	$-0.470588x_{15}$	$+1.352941x_{11}$	$-0.176471x_9$	$+2.470588x_7$	$+1.$
z	5.97058823529	$-2.308824x_1$	$-0.264706x_2$	$-0.191176x_{18}$	$-0.147059x_{15}$	$-0.014706x_{11}$	$-0.617647x_9$	$-0.852941x_7$	$-1.$

x_{-1} enters and Final Dictionary Solution: 5.97058823529 Num Pivots: 4