x_9	2.0	$+1.000000x_1$	$-3.000000x_2$	$-2.000000x_3$		$-2.000000x_5$	$-3.000000x_6$	$-2.000000x_7$	$-3.000000x_8$
x_{10}	15.0	$-2.000000x_1$	$-3.000000x_2$	$+1.000000x_3$	$+2.000000x_4$			$+2.000000x_7$	$-2.000000x_8$
x_{11}	2.0	$+1.000000x_1$	$+1.000000x_2$	$+1.000000x_3$	$+1.000000x_4$		$-3.000000x_6$	$-2.000000x_7$	$+3.000000x_8$
x_{12}	12.0	$+2.000000x_1$	$-3.000000x_2$				$+1.000000x_6$	$-3.000000x_7$	$+3.000000x_8$
x_{13}	10.0		$+2.000000x_2$		$-1.000000x_4$	$-1.000000x_5$	$+1.000000x_6$	$-1.000000x_7$	$-3.000000x_8$
x_{14}	1.0	$+3.000000x_1$		$+3.000000x_3$	$+1.000000x_4$	$+2.000000x_5$	$-3.000000x_6$	$-3.000000x_7$	$+3.000000x_8$
x_{15}	2.0		$-3.000000x_2$	$+2.000000x_3$	$-2.000000x_4$	$+2.000000x_5$	$+2.000000x_6$	$-3.000000x_7$	
x_{16}	13.0	$+1.000000x_1$	$+3.000000x_2$	$-1.000000x_3$	$-1.000000x_4$	$+2.000000x_5$	$+1.000000x_6$	$+1.000000x_7$	$+2.000000x_8$
x_{17}	9.0	$-3.000000x_1$	$-3.000000x_2$	$+3.000000x_3$	$-3.000000x_4$	$+1.000000x_5$	$-2.000000x_6$	$+3.000000x_7$	$+3.000000x_8$
x_{18}	2.0	$-1.000000x_1$			$+2.000000x_4$	$-3.000000x_5$	$-2.000000x_6$		$+1.000000x_8$
x_{19}	1.0	$-1.000000x_1$		$-3.000000x_3$	$+2.000000x_4$	$-2.000000x_5$	$+1.000000x_6$	$+2.000000x_7$	$+1.000000x_8$
x_{20}	12.0	$-1.000000x_1$	$-1.000000x_2$	$+1.000000x_3$	$+1.000000x_4$	$-1.000000x_5$	$-3.000000x_6$	$-2.000000x_7$	$-1.000000x_8$
x_{21}	5.0	$-2.000000x_1$	$+3.000000x_2$	$+3.000000x_3$		$-3.000000x_5$	$-3.000000x_6$	$+1.000000x_7$	
x_{22}	14.0	$+2.000000x_1$	$+1.000000x_2$	$-1.000000x_3$	$+1.000000x_4$	$-2.000000x_5$	$+2.000000x_6$	$-3.000000x_7$	
x_{23}	3.0	$+1.000000x_1$	$+1.000000x_2$	$-1.000000x_3$	$+3.000000x_4$	$-2.000000x_5$	$+2.000000x_6$	$-3.000000x_7$	
z	0.0	$-1.000000x_1$	$+1.000000x_2$	$-2.000000x_3$	$+1.000000x_4$	$+2.000000x_5$	$-1.000000x_6$	$-1.000000x_7$	$-2.000000x_8$

No initialization required –¿ Proceed to Optimize.

x_9	2.0	$+1.000000x_1$	$-3.000000x_2$	$-2.000000x_3$		$-2.000000x_5$	$-3.000000x_6$	$-2.000000x_7$	$-3.000000x_8$
x_{10}	15.0	$-2.000000x_1$	$-3.000000x_2$	$+1.000000x_3$	$+2.000000x_4$			$+2.000000x_7$	$-2.000000x_8$
x_{11}	2.0	$+1.000000x_1$	$+1.000000x_2$	$+1.000000x_3$	$+1.000000x_4$		$-3.000000x_6$	$-2.000000x_7$	$+3.000000x_8$
x_{12}	12.0	$+2.000000x_1$	$-3.000000x_2$				$+1.000000x_6$	$-3.000000x_7$	$+3.000000x_8$
x_{13}	10.0		$+2.000000x_2$		$-1.000000x_4$	$-1.000000x_5$	$+1.000000x_6$	$-1.000000x_7$	$-3.000000x_8$
x_{14}	1.0	$+3.000000x_1$		$+3.000000x_3$	$+1.000000x_4$	$+2.000000x_5$	$-3.000000x_6$	$-3.000000x_7$	$+3.000000x_8$
x_{15}	2.0		$-3.000000x_2$	$+2.000000x_3$	$-2.000000x_4$	$+2.000000x_5$	$+2.000000x_6$	$-3.000000x_7$	
x_{16}	13.0	$+1.000000x_1$	$+3.000000x_2$	$-1.000000x_3$	$-1.000000x_4$	$+2.000000x_5$	$+1.000000x_6$	$+1.000000x_7$	$+2.000000x_8$
x_{17}	9.0	$-3.000000x_1$	$-3.000000x_2$	$+3.000000x_3$	$-3.000000x_4$	$+1.000000x_5$	$-2.000000x_6$	$+3.000000x_7$	$+3.000000x_8$
x_{18}	2.0	$-1.000000x_1$			$+2.000000x_4$	$-3.000000x_5$	$-2.000000x_6$		$+1.000000x_8$
x_{19}	1.0	$-1.000000x_1$		$-3.000000x_3$	$+2.000000x_4$	$-2.000000x_5$	$+1.000000x_6$	$+2.000000x_7$	$+1.000000x_8$
x_{20}	12.0	$-1.000000x_1$	$-1.000000x_2$	$+1.000000x_3$	$+1.000000x_4$	$-1.000000x_5$	$-3.000000x_6$	$-2.000000x_7$	$-1.000000x_8$
x_{21}	5.0	$-2.000000x_1$	$+3.000000x_2$	$+3.000000x_3$		$-3.000000x_5$	$-3.000000x_6$	$+1.000000x_7$	
x_{22}	14.0	$+2.000000x_1$	$+1.000000x_2$	$-1.000000x_3$	$+1.000000x_4$	$-2.000000x_5$	$+2.000000x_6$	$-3.000000x_7$	
x_{23}	3.0	$+1.000000x_1$	$+1.000000x_2$	$-1.000000x_3$	$+3.000000x_4$	$-2.000000x_5$	$+2.000000x_6$	$-3.000000x_7$	
z	0.0	$-1.000000x_1$	$+1.000000x_2$	$-2.000000x_3$	$+1.000000x_4$	$+2.000000x_5$	$-1.000000x_6$	$-1.000000x_7$	$-2.000000x_8$

x_2 enters and x_9 leaves

x_2	0.666666666667	$+0.333333x_1$	$-0.333333x_9$	$-0.666667x_3$		$-0.666667x_5$	$-1.000000x_6$	$-0.666667x_7$ -1.000
x_{10}	13.0	$-3.000000x_1$	$+1.000000x_9$	$+3.000000x_3$	$+2.000000x_4$	$+2.000000x_5$	$+3.000000x_6$	$+4.000000x_7$ $+1.000$
x_{11}	2.66666666667	$+1.333333x_1$	$-0.333333x_9$	$+0.333333x_3$	$+1.000000x_4$	$-0.666667x_5$	$-4.000000x_6$	$-2.666667x_7$ $+2.000$
x_{12}	10.0	$+1.000000x_1$	$+1.000000x_9$	$+2.000000x_3$		$+2.000000x_5$	$+4.000000x_6$	$-1.000000x_7$ $+6.000$
x_{13}	11.3333333333	$+0.666667x_1$	$-0.666667x_9$	$-1.333333x_3$	$-1.000000x_4$	$-2.333333x_5$	$-1.000000x_6$	$-2.333333x_7$ -5.000
x_{14}	1.0	$+3.000000x_1$		$+3.000000x_3$	$+1.000000x_4$	$+2.000000x_5$	$-3.000000x_6$	$-3.000000x_7$ $+3.000$
x_{15}	0.0	$-1.000000x_1$	$+1.000000x_9$	$+4.000000x_3$	$-2.000000x_4$	$+4.000000x_5$	$+5.000000x_6$	$-1.000000x_7$ $+3.000$
x_{16}	15.0	$+2.000000x_1$	$-1.000000x_9$	$-3.000000x_3$	$-1.000000x_4$		$-2.000000x_6$	$-1.000000x_7$ -1.000
x_{17}	7.0	$-4.000000x_1$	$+1.000000x_9$	$+5.000000x_3$	$-3.000000x_4$	$+3.000000x_5$	$+1.000000x_6$	$+5.000000x_7$ $+6.000$
x_{18}	2.0	$-1.000000x_1$			$+2.000000x_4$	$-3.000000x_5$	$-2.000000x_6$	$+1.000$
x_{19}	1.0	$-1.000000x_1$		$-3.000000x_3$	$+2.000000x_4$	$-2.000000x_5$	$+1.000000x_6$	$+2.000000x_7$ $+1.000$
x_{20}	11.3333333333	$-1.333333x_1$	$+0.333333x_9$	$+1.666667x_3$	$+1.000000x_4$	$-0.333333x_5$	$-2.000000x_6$	$-1.333333x_7$
x_{21}	7.0	$-1.000000x_1$	$-1.000000x_9$	$+1.000000x_3$		$-5.000000x_5$	$-6.000000x_6$	$-1.000000x_7$ -3.000
x_{22}	14.6666666667	$+2.333333x_1$	$-0.333333x_9$	$-1.666667x_3$	$+1.000000x_4$	$-2.666667x_5$	$+1.000000x_6$	$-3.666667x_7$ -1.000
x_{23}	3.66666666667	$+1.333333x_1$	$-0.333333x_9$	$-1.666667x_3$	$+3.000000x_4$	$-2.666667x_5$	$+1.000000x_6$	$-3.666667x_7$ -1.000
z	0.666666666667	$-0.666667x_1$	$-0.333333x_9$	$-2.666667x_3$	$+1.000000x_4$	$+1.333333x_5$	$-2.000000x_6$	$-1.666667x_7$ -3.000

x_4 enters and x_{15} leaves

x_2	0.666666666667	$+0.333333x_1$	$-0.333333x_9$	$-0.666667x_3$		$-0.666667x_5$	$-1.000000x_6$	$-0.666667x_7$ -1.000
x_{10}	13.0	$-4.000000x_1$	$+2.000000x_9$	$+7.000000x_3$	$-1.000000x_{15}$	$+6.000000x_5$	$+8.000000x_6$	$+3.000000x_7$ $+4.000$
x_{11}	2.66666666667	$+0.833333x_1$	$+0.166667x_9$	$+2.333333x_3$	$-0.500000x_{15}$	$+1.333333x_5$	$-1.500000x_6$	$-3.166667x_7$ $+3.500$
x_{12}	10.0	$+1.000000x_1$	$+1.000000x_9$	$+2.000000x_3$		$+2.000000x_5$	$+4.000000x_6$	$-1.000000x_7$ $+6.000$
x_{13}	11.3333333333	$+1.166667x_1$	$-1.166667x_9$	$-3.333333x_3$	$+0.500000x_{15}$	$-4.333333x_5$	$-3.500000x_6$	$-1.833333x_7$ -6.500
x_{14}	1.0	$+2.500000x_1$	$+0.500000x_9$	$+5.000000x_3$	$-0.500000x_{15}$	$+4.000000x_5$	$-0.500000x_6$	$-3.500000x_7$ $+4.500$
x_4	0.0	$-0.500000x_1$	$+0.500000x_9$	$+2.000000x_3$	$-0.500000x_{15}$	$+2.000000x_5$	$+2.500000x_6$	$-0.500000x_7$ $+1.500$
x_{16}	15.0	$+2.500000x_1$	$-1.500000x_9$	$-5.000000x_3$	$+0.500000x_{15}$	$-2.000000x_5$	$-4.500000x_6$	$-0.500000x_7$ -2.500
x_{17}	7.0	$-2.500000x_1$	$-0.500000x_9$	$-1.000000x_3$	$+1.500000x_{15}$	$-3.000000x_5$	$-6.500000x_6$	$+6.500000x_7$ $+1.500$
x_{18}	2.0	$-2.000000x_1$	$+1.000000x_9$	$+4.000000x_3$	$-1.000000x_{15}$	$+1.000000x_5$	$+3.000000x_6$	$-1.000000x_7$ $+4.000$
x_{19}	1.0	$-2.000000x_1$	$+1.000000x_9$	$+1.000000x_3$	$-1.000000x_{15}$	$+2.000000x_5$	$+6.000000x_6$	$+1.000000x_7$ $+4.000$
x_{20}	11.3333333333	$-1.833333x_1$	$+0.833333x_9$	$+3.666667x_3$	$-0.500000x_{15}$	$+1.666667x_5$	$+0.500000x_6$	$-1.833333x_7$ $+1.500$
x_{21}	7.0	$-1.000000x_1$	$-1.000000x_9$	$+1.000000x_3$		$-5.000000x_5$	$-6.000000x_6$	$-1.000000x_7$ -3.000
x_{22}	14.6666666667	$+1.833333x_1$	$+0.166667x_9$	$+0.333333x_3$	$-0.500000x_{15}$	$-0.666667x_5$	$+3.500000x_6$	$-4.166667x_7$ $+0.500$
x_{23}	3.66666666667	$-0.166667x_1$	$+1.166667x_9$	$+4.333333x_3$	$-1.500000x_{15}$	$+3.333333x_5$	$+8.500000x_6$	$-5.166667x_7$ $+3.500$
z	0.666666666667	$-1.166667x_1$	$+0.166667x_9$	$-0.666667x_3$	$-0.500000x_{15}$	$+3.333333x_5$	$+0.500000x_6$	$-2.166667x_7$ -1.500

x_5 enters and x_2 leaves

x_5	1.0	$+0.500000x_1$	$-0.500000x_9$	$-1.000000x_3$		$-1.500000x_2$	$-1.500000x_6$	$-1.000000x_7$ $-1.500000x_8$
x_{10}	19.0	$-1.000000x_1$	$-1.000000x_9$	$+1.000000x_3$	$-1.000000x_{15}$	$-9.000000x_2$	$-1.000000x_6$	$-3.000000x_7$ $-5.000000x_8$
x_{11}	4.0	$+1.500000x_1$	$-0.500000x_9$	$+1.000000x_3$	$-0.500000x_{15}$	$-2.000000x_2$	$-3.500000x_6$	$-4.500000x_7$ $+1.500000x_8$
x_{12}	12.0	$+2.000000x_1$				$-3.000000x_2$	$+1.000000x_6$	$-3.000000x_7$ $+3.000000x_8$
x_{13}	7.0	$-1.000000x_1$	$+1.000000x_9$	$+1.000000x_3$	$+0.500000x_{15}$	$+6.500000x_2$	$+3.000000x_6$	$+2.500000x_7$
x_{14}	5.0	$+4.500000x_1$	$-1.500000x_9$	$+1.000000x_3$	$-0.500000x_{15}$	$-6.000000x_2$	$-6.500000x_6$	$-7.500000x_7$ $-1.500000x_8$
x_4	2.0	$+0.500000x_1$	$-0.500000x_9$		$-0.500000x_{15}$	$-3.000000x_2$	$-0.500000x_6$	$-2.500000x_7$ $-1.500000x_8$
x_{16}	13.0	$+1.500000x_1$	$-0.500000x_9$	$-3.000000x_3$	$+0.500000x_{15}$	$+3.000000x_2$	$-1.500000x_6$	$+1.500000x_7$ $+0.500000x_8$
x_{17}	4.0	$-4.000000x_1$	$+1.000000x_9$	$+2.000000x_3$	$+1.500000x_{15}$	$+4.500000x_2$	$-2.000000x_6$	$+9.500000x_7$ $+6.000000x_8$
x_{18}	3.0	$-1.500000x_1$	$+0.500000x_9$	$+3.000000x_3$	$-1.000000x_{15}$	$-1.500000x_2$	$+1.500000x_6$	$-2.000000x_7$ $+2.500000x_8$
x_{19}	3.0	$-1.000000x_1$		$-1.000000x_3$	$-1.000000x_{15}$	$-3.000000x_2$	$+3.000000x_6$	$-1.000000x_7$ $+1.000000x_8$
x_{20}	13.0	$-1.000000x_1$		$+2.000000x_3$	$-0.500000x_{15}$	$-2.500000x_2$	$-2.000000x_6$	$-3.500000x_7$ $-1.000000x_8$
x_{21}	2.0	$-3.500000x_1$	$+1.500000x_9$	$+6.000000x_3$		$+7.500000x_2$	$+1.500000x_6$	$+4.000000x_7$ $+4.500000x_8$
x_{22}	14.0	$+1.500000x_1$	$+0.500000x_9$	$+1.000000x_3$	$-0.500000x_{15}$	$+1.000000x_2$	$+4.500000x_6$	$-3.500000x_7$ $+1.500000x_8$
x_{23}	7.0	$+1.500000x_1$	$-0.500000x_9$	$+1.000000x_3$	$-1.500000x_{15}$	$-5.000000x_2$	$+3.500000x_6$	$-8.500000x_7$ $-1.500000x_8$
z	4.0	$+0.500000x_1$	$-1.500000x_9$	$-4.000000x_3$	$-0.500000x_{15}$	$-5.000000x_2$	$-4.500000x_6$	$-5.500000x_7$ $-6.500000x_8$

x_1 enters and x_{21} leaves

x_5	1.28571428571	$-0.142857x_{21}$	$-0.285714x_9$	$-0.142857x_3$		$-0.428571x_2$	$-1.285714x_6$	$-0.428571x_7$ -0.8
x_{10}	18.4285714286	$+0.285714x_{21}$	$-1.428571x_9$	$-0.714286x_3$	$-1.000000x_{15}$	$-11.142857x_2$	$-1.428571x_6$	$-4.142857x_7$ -6.2
x_{11}	4.85714285714	$-0.428571x_{21}$	$+0.142857x_9$	$+3.571429x_3$	$-0.500000x_{15}$	$+1.214286x_2$	$-2.857143x_6$	$-2.785714x_7$ $+3.4$
x_{12}	13.1428571429	$-0.571429x_{21}$	$+0.857143x_9$	$+3.428571x_3$		$+1.285714x_2$	$+1.857143x_6$	$-0.714286x_7$ $+5.5$
x_{13}	6.42857142857	$+0.285714x_{21}$	$+0.571429x_9$	$-0.714286x_3$	$+0.500000x_{15}$	$+4.357143x_2$	$+2.571429x_6$	$+1.357143x_7$ -1.2
x_{14}	7.57142857143	$-1.285714x_{21}$	$+0.428571x_9$	$+8.714286x_3$	$-0.500000x_{15}$	$+3.642857x_2$	$-4.571429x_6$	$-2.357143x_7$ $+4.2$
x_4	2.28571428571	$-0.142857x_{21}$	$-0.285714x_9$	$+0.857143x_3$	$-0.500000x_{15}$	$-1.928571x_2$	$-0.285714x_6$	$-1.928571x_7$ -0.8
x_{16}	13.8571428571	$-0.428571x_{21}$	$+0.142857x_9$	$-0.428571x_3$	$+0.500000x_{15}$	$+6.214286x_2$	$-0.857143x_6$	$+3.214286x_7$ $+2.4$
x_{17}	1.71428571429	$+1.142857x_{21}$	$-0.714286x_9$	$-4.857143x_3$	$+1.500000x_{15}$	$-4.071429x_2$	$-3.714286x_6$	$+4.928571x_7$ $+0.8$
x_{18}	2.14285714286	$+0.428571x_{21}$	$-0.142857x_9$	$+0.428571x_3$	$-1.000000x_{15}$	$-4.714286x_2$	$+0.857143x_6$	$-3.714286x_7$ $+0.5$
x_{19}	2.42857142857	$+0.285714x_{21}$	$-0.428571x_9$	$-2.714286x_3$	$-1.000000x_{15}$	$-5.142857x_2$	$+2.571429x_6$	$-2.142857x_7$ -0.2
x_{20}	12.4285714286	$+0.285714x_{21}$	$-0.428571x_9$	$+0.285714x_3$	$-0.500000x_{15}$	$-4.642857x_2$	$-2.428571x_6$	$-4.642857x_7$ -2.2
x_1	0.571428571429	$-0.285714x_{21}$	$+0.428571x_9$	$+1.714286x_3$		$+2.142857x_2$	$+0.428571x_6$	$+1.142857x_7$ $+1.2$
x_{22}	14.8571428571	$-0.428571x_{21}$	$+1.142857x_9$	$+3.571429x_3$	$-0.500000x_{15}$	$+4.214286x_2$	$+5.142857x_6$	$-1.785714x_7$ $+3.4$
x_{23}	7.85714285714	$-0.428571x_{21}$	$+0.142857x_9$	$+3.571429x_3$	$-1.500000x_{15}$	$-1.785714x_2$	$+4.142857x_6$	$-6.785714x_7$ $+0.4$
z	4.28571428571	$-0.142857x_{21}$	$-1.285714x_9$	$-3.142857x_3$	$-0.500000x_{15}$	$-3.928571x_2$	$-4.285714x_6$	$-4.928571x_7$ -5.8

x_{-1} enters and Final Dictionary Solution: 4.28571428571 Num Pivots: 4