

x_8	10.0	$-2.000000x_1 + 2.000000x_2 - 2.000000x_3 + 1.000000x_4 - 3.000000x_5 - 3.000000x_6 - 1.000000x_7$
x_9	11.0	$-3.000000x_2 - 3.000000x_4 - 1.000000x_5 + 2.000000x_6 + 3.000000x_7$
x_{10}	13.0	$+2.000000x_2 - 3.000000x_3 - 2.000000x_4 - 2.000000x_5$
x_{11}	6.0	$-1.000000x_1 - 1.000000x_3 + 2.000000x_4 + 2.000000x_6 - 3.000000x_7$
x_{12}	6.0	$-3.000000x_1 - 2.000000x_2 - 1.000000x_3 + 1.000000x_4 - 1.000000x_5 - 2.000000x_6 + 1.000000x_7$
x_{13}	2.0	$-3.000000x_1 - 1.000000x_2 + 2.000000x_4 - 3.000000x_5 + 1.000000x_6 - 2.000000x_7$
x_{14}	2.0	$+3.000000x_1 - 3.000000x_3 + 3.000000x_4 + 2.000000x_6 + 2.000000x_7$
x_{15}	9.0	$-2.000000x_1 - 3.000000x_2 - 2.000000x_4 - 1.000000x_5 - 3.000000x_6 - 1.000000x_7$
x_{16}	6.0	$+1.000000x_1 - 2.000000x_2 - 1.000000x_3 - 3.000000x_4 - 3.000000x_5$
x_{17}	15.0	$+2.000000x_1 - 1.000000x_2 + 2.000000x_3 - 2.000000x_4 - 3.000000x_5 - 2.000000x_6 - 2.000000x_7$
z	0.0	$-1.000000x_1 - 2.000000x_2 - 1.000000x_3 - 2.000000x_4 + 2.000000x_5 - 2.000000x_6 + 2.000000x_7$

No initialization required – Proceed to Optimize.

x_8	10.0	$-2.000000x_1 + 2.000000x_2 - 2.000000x_3 + 1.000000x_4 - 3.000000x_5 - 3.000000x_6 - 1.000000x_7$
x_9	11.0	$-3.000000x_2 - 3.000000x_4 - 1.000000x_5 + 2.000000x_6 + 3.000000x_7$
x_{10}	13.0	$+2.000000x_2 - 3.000000x_3 - 2.000000x_4 - 2.000000x_5$
x_{11}	6.0	$-1.000000x_1 - 1.000000x_3 + 2.000000x_4 + 2.000000x_6 - 3.000000x_7$
x_{12}	6.0	$-3.000000x_1 - 2.000000x_2 - 1.000000x_3 + 1.000000x_4 - 1.000000x_5 - 2.000000x_6 + 1.000000x_7$
x_{13}	2.0	$-3.000000x_1 - 1.000000x_2 + 2.000000x_4 - 3.000000x_5 + 1.000000x_6 - 2.000000x_7$
x_{14}	2.0	$+3.000000x_1 - 3.000000x_3 + 3.000000x_4 + 2.000000x_6 + 2.000000x_7$
x_{15}	9.0	$-2.000000x_1 - 3.000000x_2 - 2.000000x_4 - 1.000000x_5 - 3.000000x_6 - 1.000000x_7$
x_{16}	6.0	$+1.000000x_1 - 2.000000x_2 - 1.000000x_3 - 3.000000x_4 - 3.000000x_5$
x_{17}	15.0	$+2.000000x_1 - 1.000000x_2 + 2.000000x_3 - 2.000000x_4 - 3.000000x_5 - 2.000000x_6 - 2.000000x_7$
z	0.0	$-1.000000x_1 - 2.000000x_2 - 1.000000x_3 - 2.000000x_4 + 2.000000x_5 - 2.000000x_6 + 2.000000x_7$

x_5 enters and x_{13} leaves

x_8	8.0	$+1.000000x_1 + 3.000000x_2 - 2.000000x_3 - 1.000000x_4 + 1.000000x_{13} - 4.000000x_6 + 1.000000x_7$
x_9	10.3333333333	$+1.000000x_1 - 2.666667x_2 - 3.666667x_4 + 0.333333x_{13} + 1.666667x_6 + 3.666667x_7$
x_{10}	11.6666666667	$+2.000000x_1 + 2.666667x_2 - 3.000000x_3 - 3.333333x_4 + 0.666667x_{13} - 0.666667x_6 + 1.333333x_7$
x_{11}	6.0	$-1.000000x_1 - 1.000000x_3 + 2.000000x_4 + 2.000000x_6 - 3.000000x_7$
x_{12}	5.3333333333	$-2.000000x_1 - 1.666667x_2 - 1.000000x_3 + 0.333333x_4 + 0.333333x_{13} - 2.333333x_6 + 1.666667x_7$
x_5	0.666666666667	$-1.000000x_1 - 0.333333x_2 + 0.666667x_4 - 0.333333x_{13} + 0.333333x_6 - 0.666667x_7$
x_{14}	2.0	$+3.000000x_1 - 3.000000x_3 + 3.000000x_4 + 2.000000x_6 + 2.000000x_7$
x_{15}	8.3333333333	$-1.000000x_1 - 2.666667x_2 - 2.666667x_4 + 0.333333x_{13} - 3.333333x_6 - 0.333333x_7$
x_{16}	4.0	$+4.000000x_1 - 1.000000x_2 - 1.000000x_3 - 5.000000x_4 + 1.000000x_{13} - 1.000000x_6 + 2.000000x_7$
x_{17}	13.0	$+5.000000x_1 + 2.000000x_3 - 4.000000x_4 + 1.000000x_{13} - 3.000000x_6$
z	1.3333333333	$-3.000000x_1 - 2.666667x_2 - 1.000000x_3 - 0.666667x_4 - 0.666667x_{13} - 1.333333x_6 + 0.666667x_7$

x_7 enters and x_5 leaves

x_8	9.0	$-0.500000x_1 + 2.500000x_2 - 2.000000x_3$	$+0.500000x_{13} - 3.500000x_6 - 1.500000x_5$
x_9	14.0	$-4.500000x_1 - 4.500000x_2$	$-1.500000x_{13} + 3.500000x_6 - 5.500000x_5$
x_{10}	13.0	$+2.000000x_2 - 3.000000x_3 - 2.000000x_4$	$-2.000000x_5$
x_{11}	3.0	$+3.500000x_1 + 1.500000x_2 - 1.000000x_3 - 1.000000x_4 + 1.500000x_{13} + 0.500000x_6 + 4.500000x_5$	
x_{12}	7.0	$-4.500000x_1 - 2.500000x_2 - 1.000000x_3 + 2.000000x_4 - 0.500000x_{13} - 1.500000x_6 - 2.500000x_5$	
x_7	1.0	$-1.500000x_1 - 0.500000x_2$	$+1.000000x_4 - 0.500000x_{13} + 0.500000x_6 - 1.500000x_5$
x_{14}	4.0	$-1.000000x_2 - 3.000000x_3 + 5.000000x_4 - 1.000000x_{13} + 3.000000x_6 - 3.000000x_5$	
x_{15}	8.0	$-0.500000x_1 - 2.500000x_2$	$-3.000000x_4 + 0.500000x_{13} - 3.500000x_6 + 0.500000x_5$
x_{16}	6.0	$+1.000000x_1 - 2.000000x_2 - 1.000000x_3 - 3.000000x_4$	$-3.000000x_5$
x_{17}	13.0	$+5.000000x_1$	$+2.000000x_3 - 4.000000x_4 + 1.000000x_{13} - 3.000000x_6$
z	2.0	$-4.000000x_1 - 3.000000x_2 - 1.000000x_3$	$-1.000000x_{13} - 1.000000x_6 - 1.000000x_5$

x_{-1} enters and Final Dictionary Solution: 2.0 Num Pivots: 2