

x_8	15.0	$-1.000000x_1 - 2.000000x_2 - 3.000000x_3$	$-2.000000x_5 - 1.000000x_6 - 1.000000x_7$
x_9	10.0	$-2.000000x_1$	$+2.000000x_3 - 1.000000x_4 + 1.000000x_5 - 2.000000x_6 - 3.000000x_7$
x_{10}	1.0	$+3.000000x_2 + 3.000000x_3$	$-1.000000x_4 - 1.000000x_5 + 3.000000x_6 - 1.000000x_7$
x_{11}	15.0	$+3.000000x_1$	$-2.000000x_3 - 2.000000x_4 - 2.000000x_5 + 3.000000x_6 + 2.000000x_7$
x_{12}	12.0	$-1.000000x_1 + 2.000000x_2 - 3.000000x_3 + 3.000000x_4$	$+2.000000x_5 - 1.000000x_6 - 2.000000x_7$
x_{13}	6.0	$-3.000000x_1 - 1.000000x_2 + 1.000000x_3 + 1.000000x_4$	$-1.000000x_5 + 2.000000x_6$
x_{14}	12.0	$+3.000000x_1 - 1.000000x_2 + 1.000000x_3 - 1.000000x_4$	$-2.000000x_5 + 1.000000x_6 - 3.000000x_7$
x_{15}	9.0	$+1.000000x_1 - 2.000000x_2 - 3.000000x_3 - 2.000000x_4$	$-2.000000x_5 + 1.000000x_6 + 3.000000x_7$
x_{16}	7.0	$+1.000000x_1 + 1.000000x_2 + 2.000000x_3 + 2.000000x_4$	$+3.000000x_5 - 2.000000x_6 + 3.000000x_7$
x_{17}	14.0	$+3.000000x_1 - 3.000000x_2 + 1.000000x_3 + 2.000000x_4$	$+2.000000x_5 + 2.000000x_6 - 2.000000x_7$
z	0.0	$-1.000000x_1 - 1.000000x_2 - 1.000000x_3 - 2.000000x_4$	$-2.000000x_5 + 1.000000x_6 + 2.000000x_7$

No initialization required – Proceed to Optimize.

x_8	15.0	$-1.000000x_1 - 2.000000x_2 - 3.000000x_3$	$-2.000000x_5 - 1.000000x_6 - 1.000000x_7$
x_9	10.0	$-2.000000x_1$	$+2.000000x_3 - 1.000000x_4 + 1.000000x_5 - 2.000000x_6 - 3.000000x_7$
x_{10}	1.0	$+3.000000x_2 + 3.000000x_3$	$-1.000000x_4 - 1.000000x_5 + 3.000000x_6 - 1.000000x_7$
x_{11}	15.0	$+3.000000x_1$	$-2.000000x_3 - 2.000000x_4 - 2.000000x_5 + 3.000000x_6 + 2.000000x_7$
x_{12}	12.0	$-1.000000x_1 + 2.000000x_2 - 3.000000x_3 + 3.000000x_4$	$+2.000000x_5 - 1.000000x_6 - 2.000000x_7$
x_{13}	6.0	$-3.000000x_1 - 1.000000x_2 + 1.000000x_3 + 1.000000x_4$	$-1.000000x_5 + 2.000000x_6$
x_{14}	12.0	$+3.000000x_1 - 1.000000x_2 + 1.000000x_3 - 1.000000x_4$	$-2.000000x_5 + 1.000000x_6 - 3.000000x_7$
x_{15}	9.0	$+1.000000x_1 - 2.000000x_2 - 3.000000x_3 - 2.000000x_4$	$-2.000000x_5 + 1.000000x_6 + 3.000000x_7$
x_{16}	7.0	$+1.000000x_1 + 1.000000x_2 + 2.000000x_3 + 2.000000x_4$	$+3.000000x_5 - 2.000000x_6 + 3.000000x_7$
x_{17}	14.0	$+3.000000x_1 - 3.000000x_2 + 1.000000x_3 + 2.000000x_4$	$+2.000000x_5 + 2.000000x_6 - 2.000000x_7$
z	0.0	$-1.000000x_1 - 1.000000x_2 - 1.000000x_3 - 2.000000x_4$	$-2.000000x_5 + 1.000000x_6 + 2.000000x_7$

x_6 enters and x_{16} leaves

x_8	11.5	$-1.500000x_1 - 2.500000x_2 - 4.000000x_3 - 1.000000x_4 - 3.500000x_5$	$+0.500000x_{16} - 2.500000x_7$
x_9	3.0	$-3.000000x_1 - 1.000000x_2$	$-3.000000x_4 - 2.000000x_5 + 1.000000x_{16} - 6.000000x_7$
x_{10}	11.5	$+1.500000x_1 + 4.500000x_2 + 6.000000x_3 + 2.000000x_4 + 3.500000x_5$	$-1.500000x_{16} + 3.500000x_7$
x_{11}	25.5	$+4.500000x_1 + 1.500000x_2 + 1.000000x_3 + 1.000000x_4 + 2.500000x_5$	$-1.500000x_{16} + 6.500000x_7$
x_{12}	8.5	$-1.500000x_1 + 1.500000x_2 - 4.000000x_3 + 2.000000x_4 + 0.500000x_5$	$+0.500000x_{16} - 3.500000x_7$
x_{13}	13.0	$-2.000000x_1$	$+3.000000x_3 + 3.000000x_4 + 2.000000x_5 - 1.000000x_{16} + 3.000000x_7$
x_{14}	15.5	$+3.500000x_1 - 0.500000x_2 + 2.000000x_3$	$-0.500000x_5 - 0.500000x_{16} - 1.500000x_7$
x_{15}	12.5	$+1.500000x_1 - 1.500000x_2 - 2.000000x_3 - 1.000000x_4 - 0.500000x_5$	$-0.500000x_{16} + 4.500000x_7$
x_6	3.5	$+0.500000x_1 + 0.500000x_2 + 1.000000x_3 + 1.000000x_4 + 1.500000x_5$	$-0.500000x_{16} + 1.500000x_7$
x_{17}	21.0	$+4.000000x_1 - 2.000000x_2 + 3.000000x_3 + 4.000000x_4 + 5.000000x_5$	$-1.000000x_{16} + 1.000000x_7$
z	3.5	$-0.500000x_1 - 0.500000x_2$	$-1.000000x_4 - 0.500000x_5 - 0.500000x_{16} + 3.500000x_7$

x_7 enters and x_9 leaves

x_8	10.25	$-0.250000x_1 - 2.083333x_2 - 4.000000x_3 + 0.250000x_4 - 2.666667x_5 + 0.083333x_{16} + 0.416667x_9$
x_7	0.5	$-0.500000x_1 - 0.166667x_2 - 0.500000x_4 - 0.333333x_5 + 0.166667x_{16} - 0.166667x_9$
x_{10}	13.25	$-0.250000x_1 + 3.916667x_2 + 6.000000x_3 + 0.250000x_4 + 2.333333x_5 - 0.916667x_{16} - 0.583333x_9$
x_{11}	28.75	$+1.250000x_1 + 0.416667x_2 + 1.000000x_3 - 2.250000x_4 + 0.333333x_5 - 0.416667x_{16} - 1.083333x_9$
x_{12}	6.75	$+0.250000x_1 + 2.083333x_2 - 4.000000x_3 + 3.750000x_4 + 1.666667x_5 - 0.083333x_{16} + 0.583333x_9$
x_{13}	14.5	$-3.500000x_1 - 0.500000x_2 + 3.000000x_3 + 1.500000x_4 + 1.000000x_5 - 0.500000x_{16} - 0.500000x_9$
x_{14}	14.75	$+4.250000x_1 - 0.250000x_2 + 2.000000x_3 + 0.750000x_4 - 0.750000x_{16} + 0.250000x_9$
x_{15}	14.75	$-0.750000x_1 - 2.250000x_2 - 2.000000x_3 - 3.250000x_4 - 2.000000x_5 + 0.250000x_{16} - 0.750000x_9$
x_6	4.25	$-0.250000x_1 + 0.250000x_2 + 1.000000x_3 + 0.250000x_4 + 1.000000x_5 - 0.250000x_{16} - 0.250000x_9$
x_{17}	21.5	$+3.500000x_1 - 2.166667x_2 + 3.000000x_3 + 3.500000x_4 + 4.666667x_5 - 0.833333x_{16} - 0.166667x_9$
z	5.25	$-2.250000x_1 - 1.083333x_2 - 2.750000x_4 - 1.666667x_5 + 0.083333x_{16} - 0.583333x_9$

x_{16} enters and x_{10} leaves

x_8	11.4545454545	$-0.272727x_1 - 1.727273x_2 - 3.454545x_3 + 0.272727x_4 - 2.454545x_5 - 0.090909x_{10} + 0.363636x_9$
x_7	2.90909090909	$-0.545455x_1 + 0.545455x_2 + 1.090909x_3 - 0.454545x_4 + 0.090909x_5 - 0.181818x_{10} - 0.272727x_9$
x_{16}	14.4545454545	$-0.272727x_1 + 4.272727x_2 + 6.545455x_3 + 0.272727x_4 + 2.545455x_5 - 1.090909x_{10} - 0.636364x_9$
x_{11}	22.7272727273	$+1.363636x_1 - 1.363636x_2 - 1.727273x_3 - 2.363636x_4 - 0.727273x_5 + 0.454545x_{10} - 0.818182x_9$
x_{12}	5.54545454545	$+0.272727x_1 + 1.727273x_2 - 4.545455x_3 + 3.727273x_4 + 1.454545x_5 + 0.090909x_{10} + 0.636364x_9$
x_{13}	7.27272727273	$-3.363636x_1 - 2.636364x_2 - 0.272727x_3 + 1.363636x_4 - 0.272727x_5 + 0.545455x_{10} - 0.181818x_9$
x_{14}	3.90909090909	$+4.454545x_1 - 3.454545x_2 - 2.909091x_3 + 0.545455x_4 - 1.909091x_5 + 0.818182x_{10} + 0.727273x_9$
x_{15}	18.3636363636	$-0.818182x_1 - 1.181818x_2 - 0.363636x_3 - 3.181818x_4 - 1.363636x_5 - 0.272727x_{10} - 0.909091x_9$
x_6	0.636363636364	$-0.181818x_1 - 0.818182x_2 - 0.636364x_3 + 0.181818x_4 + 0.363636x_5 + 0.272727x_{10} - 0.090909x_9$
x_{17}	9.45454545455	$+3.727273x_1 - 5.727273x_2 - 2.454545x_3 + 3.272727x_4 + 2.545455x_5 + 0.909091x_{10} + 0.363636x_9$
z	6.45454545455	$-2.272727x_1 - 0.727273x_2 + 0.545455x_3 - 2.727273x_4 - 1.454545x_5 - 0.090909x_{10} - 0.636364x_9$

x_3 enters and x_6 leaves

x_8	8.0	$+0.714286x_1 + 2.714286x_2 + 5.428571x_6 - 0.714286x_4 - 4.428571x_5 - 1.571429x_{10} + 0.857143x_9$
x_7	4.0	$-0.857143x_1 - 0.857143x_2 - 1.714286x_6 - 0.142857x_4 + 0.714286x_5 + 0.285714x_{10} - 0.428571x_9$
x_{16}	21.0	$-2.142857x_1 - 4.142857x_2 - 10.285714x_6 + 2.142857x_4 + 6.285714x_5 + 1.714286x_{10} - 1.571429x_9$
x_{11}	21.0	$+1.857143x_1 + 0.857143x_2 + 2.714286x_6 - 2.857143x_4 - 1.714286x_5 - 0.285714x_{10} - 0.571429x_9$
x_{12}	1.0	$+1.571429x_1 + 7.571429x_2 + 7.142857x_6 + 2.428571x_4 - 1.142857x_5 - 1.857143x_{10} + 1.285714x_9$
x_{13}	7.0	$-3.285714x_1 - 2.285714x_2 + 0.428571x_6 + 1.285714x_4 - 0.428571x_5 + 0.428571x_{10} - 0.142857x_9$
x_{14}	1.0	$+5.285714x_1 + 0.285714x_2 + 4.571429x_6 - 0.285714x_4 - 3.571429x_5 - 0.428571x_{10} + 1.142857x_9$
x_{15}	18.0	$-0.714286x_1 - 0.714286x_2 + 0.571429x_6 - 3.285714x_4 - 1.571429x_5 - 0.428571x_{10} - 0.857143x_9$
x_3	1.0	$-0.285714x_1 - 1.285714x_2 - 1.571429x_6 + 0.285714x_4 + 0.571429x_5 + 0.428571x_{10} - 0.142857x_9$
x_{17}	7.0	$+4.428571x_1 - 2.571429x_2 + 3.857143x_6 + 2.571429x_4 + 1.142857x_5 - 0.142857x_{10} + 0.714286x_9$
z	7.0	$-2.428571x_1 - 1.428571x_2 - 0.857143x_6 - 2.571429x_4 - 1.142857x_5 + 0.142857x_{10} - 0.714286x_9$

x_{10} enters and x_{12} leaves

x_8	7.15384615385	$-0.615385x_1 - 3.692308x_2 - 0.615385x_6 - 2.769231x_4 - 3.461538x_5 + 0.846154x_{12} - 0.230769x_9$
x_7	4.15384615385	$-0.615385x_1 + 0.307692x_2 - 0.615385x_6 + 0.230769x_4 + 0.538462x_5 - 0.153846x_{12} - 0.230769x_9$
x_{16}	21.9230769231	$-0.692308x_1 + 2.846154x_2 - 3.692308x_6 + 4.384615x_4 + 5.230769x_5 - 0.923077x_{12} - 0.384615x_9$
x_{11}	20.8461538462	$+1.615385x_1 - 0.307692x_2 + 1.615385x_6 - 3.230769x_4 - 1.538462x_5 + 0.153846x_{12} - 0.769231x_9$
x_{10}	0.538461538462	$+0.846154x_1 + 4.076923x_2 + 3.846154x_6 + 1.307692x_4 - 0.615385x_5 - 0.538462x_{12} + 0.692308x_9$
x_{13}	7.23076923077	$-2.923077x_1 - 0.538462x_2 + 2.076923x_6 + 1.846154x_4 - 0.692308x_5 - 0.230769x_{12} + 0.153846x_9$
x_{14}	0.769230769231	$+4.923077x_1 - 1.461538x_2 + 2.923077x_6 - 0.846154x_4 - 3.307692x_5 + 0.230769x_{12} + 0.846154x_9$
x_{15}	17.7692307692	$-1.076923x_1 - 2.461538x_2 - 1.076923x_6 - 3.846154x_4 - 1.307692x_5 + 0.230769x_{12} - 1.153846x_9$
x_3	1.23076923077	$+0.076923x_1 + 0.461538x_2 + 0.076923x_6 + 0.846154x_4 + 0.307692x_5 - 0.230769x_{12} + 0.153846x_9$
x_{17}	6.92307692308	$+4.307692x_1 - 3.153846x_2 + 3.307692x_6 + 2.384615x_4 + 1.230769x_5 + 0.076923x_{12} + 0.615385x_9$
z	7.07692307692	$-2.307692x_1 - 0.846154x_2 - 0.307692x_6 - 2.384615x_4 - 1.230769x_5 - 0.076923x_{12} - 0.615385x_9$

x_{-1} enters and Final Dictionary Solution: 7.07692307692 Num Pivots: 5