

x_8	14.0	$+2.000000x_1 - 1.000000x_2 - 3.000000x_3 - 1.000000x_4 - 1.000000x_5 - 3.000000x_6$
x_9	10.0	$+3.000000x_1 - 1.000000x_3 - 2.000000x_4 + 3.000000x_5 - 1.000000x_7$
x_{10}	5.0	$-3.000000x_1 + 2.000000x_2 - 3.000000x_3 - 1.000000x_4 + 3.000000x_5 + 3.000000x_6 + 2.000000x_7$
x_{11}	5.0	$-3.000000x_1 + 3.000000x_3 - 1.000000x_4 - 3.000000x_5 + 1.000000x_6 - 2.000000x_7$
x_{12}	7.0	$+2.000000x_1 + 1.000000x_2 - 2.000000x_3 + 3.000000x_4 - 2.000000x_5 - 1.000000x_6$
x_{13}	12.0	$+1.000000x_1 + 2.000000x_3 - 2.000000x_5 + 1.000000x_7$
x_{14}	7.0	$+3.000000x_1 + 3.000000x_2 + 1.000000x_4 + 3.000000x_5 + 2.000000x_6 + 1.000000x_7$
x_{15}	7.0	$-2.000000x_1 - 3.000000x_2 - 1.000000x_3 + 2.000000x_4 - 3.000000x_5 - 1.000000x_6 - 2.000000x_7$
x_{16}	6.0	$+3.000000x_1 - 2.000000x_4 - 2.000000x_5 + 2.000000x_6 + 2.000000x_7$
x_{17}	3.0	$+3.000000x_1 + 2.000000x_2 + 1.000000x_3 - 3.000000x_4 + 3.000000x_5 + 3.000000x_7$
z	0.0	$-2.000000x_1 - 1.000000x_2 - 2.000000x_3 + 2.000000x_4 + 1.000000x_5 + 1.000000x_6$

No initialization required - Proceed to Optimize.

x_8	14.0	$+2.000000x_1 - 1.000000x_2 - 3.000000x_3 - 1.000000x_4 - 1.000000x_5 - 3.000000x_6$
x_9	10.0	$+3.000000x_1 - 1.000000x_3 - 2.000000x_4 + 3.000000x_5 - 1.000000x_7$
x_{10}	5.0	$-3.000000x_1 + 2.000000x_2 - 3.000000x_3 - 1.000000x_4 + 3.000000x_5 + 3.000000x_6 + 2.000000x_7$
x_{11}	5.0	$-3.000000x_1 + 3.000000x_3 - 1.000000x_4 - 3.000000x_5 + 1.000000x_6 - 2.000000x_7$
x_{12}	7.0	$+2.000000x_1 + 1.000000x_2 - 2.000000x_3 + 3.000000x_4 - 2.000000x_5 - 1.000000x_6$
x_{13}	12.0	$+1.000000x_1 + 2.000000x_3 - 2.000000x_5 + 1.000000x_7$
x_{14}	7.0	$+3.000000x_1 + 3.000000x_2 + 1.000000x_4 + 3.000000x_5 + 2.000000x_6 + 1.000000x_7$
x_{15}	7.0	$-2.000000x_1 - 3.000000x_2 - 1.000000x_3 + 2.000000x_4 - 3.000000x_5 - 1.000000x_6 - 2.000000x_7$
x_{16}	6.0	$+3.000000x_1 - 2.000000x_4 - 2.000000x_5 + 2.000000x_6 + 2.000000x_7$
x_{17}	3.0	$+3.000000x_1 + 2.000000x_2 + 1.000000x_3 - 3.000000x_4 + 3.000000x_5 + 3.000000x_7$
z	0.0	$-2.000000x_1 - 1.000000x_2 - 2.000000x_3 + 2.000000x_4 + 1.000000x_5 + 1.000000x_6$

x_4 enters and x_{17} leaves

x_8	13.0	$+1.000000x_1 - 1.666667x_2 - 3.333333x_3 + 0.333333x_{17} - 2.000000x_5 - 3.000000x_6 - 1.000000x_7$
x_9	8.0	$+1.000000x_1 - 1.333333x_2 - 1.666667x_3 + 0.666667x_{17} + 1.000000x_5 - 3.000000x_7$
x_{10}	4.0	$-4.000000x_1 + 1.333333x_2 - 3.333333x_3 + 0.333333x_{17} + 2.000000x_5 + 3.000000x_6 + 1.000000x_7$
x_{11}	4.0	$-4.000000x_1 - 0.666667x_2 + 2.666667x_3 + 0.333333x_{17} - 4.000000x_5 + 1.000000x_6 - 3.000000x_7$
x_{12}	10.0	$+5.000000x_1 + 3.000000x_2 - 1.000000x_3 - 1.000000x_{17} + 1.000000x_5 - 1.000000x_6 + 3.000000x_7$
x_{13}	12.0	$+1.000000x_1 + 2.000000x_3 - 2.000000x_5 + 1.000000x_7$
x_{14}	8.0	$+4.000000x_1 + 3.666667x_2 + 0.333333x_3 - 0.333333x_{17} + 4.000000x_5 + 2.000000x_6 + 2.000000x_7$
x_{15}	9.0	$-1.666667x_2 - 0.333333x_3 - 0.666667x_{17} - 1.000000x_5 - 1.000000x_6$
x_{16}	4.0	$+1.000000x_1 - 1.333333x_2 - 0.666667x_3 + 0.666667x_{17} - 4.000000x_5 + 2.000000x_6$
x_4	1.0	$+1.000000x_1 + 0.666667x_2 + 0.333333x_3 - 0.333333x_{17} + 1.000000x_5 + 1.000000x_7$
z	2.0	$+0.333333x_2 - 1.333333x_3 - 0.666667x_{17} + 3.000000x_5 + 1.000000x_6 + 2.000000x_7$

x_2 enters and x_{16} leaves

x_8	8.0	$-0.250000x_1 + 1.250000x_{16} - 2.500000x_3 - 0.500000x_{17} + 3.000000x_5 - 5.500000x_6 - 1.000000x_7$
x_9	4.0	$+1.000000x_{16} - 1.000000x_3 + 5.000000x_5 - 2.000000x_6 - 3.000000x_7$
x_{10}	8.0	$-3.000000x_1 - 1.000000x_{16} - 4.000000x_3 + 1.000000x_{17} - 2.000000x_5 + 5.000000x_6 + 1.000000x_7$
x_{11}	2.0	$-4.500000x_1 + 0.500000x_{16} + 3.000000x_3 - 2.000000x_5 - 3.000000x_7$
x_{12}	19.0	$+7.250000x_1 - 2.250000x_{16} - 2.500000x_3 + 0.500000x_{17} - 8.000000x_5 + 3.500000x_6 + 3.000000x_7$
x_{13}	12.0	$+1.000000x_1 + 2.000000x_3 - 2.000000x_5 + 1.000000x_7$
x_{14}	19.0	$+6.750000x_1 - 2.750000x_{16} - 1.500000x_3 + 1.500000x_{17} - 7.000000x_5 + 7.500000x_6 + 2.000000x_7$
x_{15}	4.0	$-1.250000x_1 + 1.250000x_{16} + 0.500000x_3 - 1.500000x_{17} + 4.000000x_5 - 3.500000x_6$
x_2	3.0	$+0.750000x_1 - 0.750000x_{16} - 0.500000x_3 + 0.500000x_{17} - 3.000000x_5 + 1.500000x_6$
x_4	3.0	$+1.500000x_1 - 0.500000x_{16} - 1.000000x_5 + 1.000000x_6 + 1.000000x_7$
z	3.0	$+0.250000x_1 - 0.250000x_{16} - 1.500000x_3 - 0.500000x_{17} + 2.000000x_5 + 1.500000x_6 + 2.000000x_7$

x_1 enters and x_{11} leaves

x_8	7.8888888889	$+0.055556x_{11} + 1.222222x_{16} - 2.666667x_3 - 0.500000x_{17} + 3.111111x_5 - 5.500000x_6 - 0.833333x_7$
x_9	4.0	$+1.000000x_{16} - 1.000000x_3 + 5.000000x_5 - 2.000000x_6 - 3.000000x_7$
x_{10}	6.6666666667	$+0.666667x_{11} - 1.333333x_{16} - 6.000000x_3 + 1.000000x_{17} - 0.666667x_5 + 5.000000x_6 + 3.000000x_7$
x_1	0.4444444444	$-0.222222x_{11} + 0.111111x_{16} + 0.666667x_3 - 0.444444x_5 - 0.666667x_7$
x_{12}	22.2222222222	$-1.611111x_{11} - 1.444444x_{16} + 2.333333x_3 + 0.500000x_{17} - 11.222222x_5 + 3.500000x_6 - 1.833333x_7$
x_{13}	12.4444444444	$-0.222222x_{11} + 0.111111x_{16} + 2.666667x_3 - 2.444444x_5 + 0.333333x_7$
x_{14}	22.0	$-1.500000x_{11} - 2.000000x_{16} + 3.000000x_3 + 1.500000x_{17} - 10.000000x_5 + 7.500000x_6 - 2.500000x_7$
x_{15}	3.4444444444	$+0.277778x_{11} + 1.111111x_{16} - 0.333333x_3 - 1.500000x_{17} + 4.555556x_5 - 3.500000x_6 + 0.833333x_7$
x_2	3.3333333333	$-0.166667x_{11} - 0.666667x_{16} + 0.500000x_{17} - 3.333333x_5 + 1.500000x_6 - 0.500000x_7$
x_4	3.6666666667	$-0.333333x_{11} - 0.333333x_{16} + 1.000000x_3 - 1.666667x_5 + 1.000000x_6$
z	3.1111111111	$-0.055556x_{11} - 0.222222x_{16} - 1.333333x_3 - 0.500000x_{17} + 1.888889x_5 + 1.500000x_6 + 1.833333x_7$

x_5 enters and x_1 leaves

x_8	11.0	$-1.500000x_{11} + 2.000000x_{16} + 2.000000x_3 - 0.500000x_{17} - 7.000000x_1 - 5.500000x_6 - 5.500000x_7$
x_9	9.0	$-2.500000x_{11} + 2.250000x_{16} + 6.500000x_3 - 11.250000x_1 - 2.000000x_6 - 10.500000x_7$
x_{10}	6.0	$+1.000000x_{11} - 1.500000x_{16} - 7.000000x_3 + 1.000000x_{17} + 1.500000x_1 + 5.000000x_6 + 4.000000x_7$
x_5	1.0	$-0.500000x_{11} + 0.250000x_{16} + 1.500000x_3 - 2.250000x_1 - 1.500000x_7$
x_{12}	11.0	$+4.000000x_{11} - 4.250000x_{16} - 14.500000x_3 + 0.500000x_{17} + 25.250000x_1 + 3.500000x_6 + 15.000000x_7$
x_{13}	10.0	$+1.000000x_{11} - 0.500000x_{16} - 1.000000x_3 + 5.500000x_1 + 4.000000x_7$
x_{14}	12.0	$+3.500000x_{11} - 4.500000x_{16} - 12.000000x_3 + 1.500000x_{17} + 22.500000x_1 + 7.500000x_6 + 12.500000x_7$
x_{15}	8.0	$-2.000000x_{11} + 2.250000x_{16} + 6.500000x_3 - 1.500000x_{17} - 10.250000x_1 - 3.500000x_6 - 6.000000x_7$
x_2	0.0	$+1.500000x_{11} - 1.500000x_{16} - 5.000000x_3 + 0.500000x_{17} + 7.500000x_1 + 1.500000x_6 + 4.500000x_7$
x_4	2.0	$+0.500000x_{11} - 0.750000x_{16} - 1.500000x_3 + 3.750000x_1 + 1.000000x_6 + 2.500000x_7$
z	5.0	$-1.000000x_{11} + 0.250000x_{16} + 1.500000x_3 - 0.500000x_{17} - 4.250000x_1 + 1.500000x_6 - 1.000000x_7$

x_3 enters and x_2 leaves

x_8	11.0	$-0.900000x_{11} + 1.400000x_{16} - 0.400000x_2 - 0.300000x_{17} - 4.000000x_1 - 4.900000x_6 - 3.700000x_7$
x_9	9.0	$-0.550000x_{11} + 0.300000x_{16} - 1.300000x_2 + 0.650000x_{17} - 1.500000x_1 - 0.050000x_6 - 4.650000x_7$
x_{10}	6.0	$-1.100000x_{11} + 0.600000x_{16} + 1.400000x_2 + 0.300000x_{17} - 9.000000x_1 + 2.900000x_6 - 2.300000x_7$
x_5	1.0	$-0.050000x_{11} - 0.200000x_{16} - 0.300000x_2 + 0.150000x_{17} + 0.450000x_6 - 0.150000x_7$
x_{12}	11.0	$-0.350000x_{11} + 0.100000x_{16} + 2.900000x_2 - 0.950000x_{17} + 3.500000x_1 - 0.850000x_6 + 1.950000x_7$
x_{13}	10.0	$+0.700000x_{11} - 0.200000x_{16} + 0.200000x_2 - 0.100000x_{17} + 4.000000x_1 - 0.300000x_6 + 3.100000x_7$
x_{14}	12.0	$-0.100000x_{11} - 0.900000x_{16} + 2.400000x_2 + 0.300000x_{17} + 4.500000x_1 + 3.900000x_6 + 1.700000x_7$
x_{15}	8.0	$-0.050000x_{11} + 0.300000x_{16} - 1.300000x_2 - 0.850000x_{17} - 0.500000x_1 - 1.550000x_6 - 0.150000x_7$
x_3	0.0	$+0.300000x_{11} - 0.300000x_{16} - 0.200000x_2 + 0.100000x_{17} + 1.500000x_1 + 0.300000x_6 + 0.900000x_7$
x_4	2.0	$+0.050000x_{11} - 0.300000x_{16} + 0.300000x_2 - 0.150000x_{17} + 1.500000x_1 + 0.550000x_6 + 1.150000x_7$
z	5.0	$-0.550000x_{11} - 0.200000x_{16} - 0.300000x_2 - 0.350000x_{17} - 2.000000x_1 + 1.950000x_6 + 0.350000x_7$

x_6 enters and x_8 leaves

x_6	2.24489795918	$-0.183673x_{11} + 0.285714x_{16} - 0.081633x_2 - 0.061224x_{17} - 0.816327x_1 - 0.204082x_8 - 0.755102x_7$
x_9	8.88775510204	$-0.540816x_{11} + 0.285714x_{16} - 1.295918x_2 + 0.653061x_{17} - 1.459184x_1 + 0.010204x_8 - 4.612245x_7$
x_{10}	12.5102040816	$-1.632653x_{11} + 1.428571x_{16} + 1.163265x_2 + 0.122449x_{17} - 11.367347x_1 - 0.591837x_8 - 4.489796x_7$
x_5	2.01020408163	$-0.132653x_{11} - 0.071429x_{16} - 0.336735x_2 + 0.122449x_{17} - 0.367347x_1 - 0.091837x_8 - 0.489796x_7$
x_{12}	9.09183673469	$-0.193878x_{11} - 0.142857x_{16} + 2.969388x_2 - 0.897959x_{17} + 4.193878x_1 + 0.173469x_8 + 2.591837x_7$
x_{13}	9.32653061224	$+0.755102x_{11} - 0.285714x_{16} + 0.224490x_2 - 0.081633x_{17} + 4.244898x_1 + 0.061224x_8 + 3.326531x_7$
x_{14}	20.7551020408	$-0.816327x_{11} + 0.214286x_{16} + 2.081633x_2 + 0.061224x_{17} + 1.316327x_1 - 0.795918x_8 - 1.244898x_7$
x_{15}	4.52040816327	$+0.234694x_{11} - 0.142857x_{16} - 1.173469x_2 - 0.755102x_{17} + 0.765306x_1 + 0.316327x_8 + 1.020408x_7$
x_3	0.673469387755	$+0.244898x_{11} - 0.214286x_{16} - 0.224490x_2 + 0.081633x_{17} + 1.255102x_1 - 0.061224x_8 + 0.673469x_7$
x_4	3.23469387755	$-0.051020x_{11} - 0.142857x_{16} + 0.255102x_2 - 0.183673x_{17} + 1.051020x_1 - 0.112245x_8 + 0.734694x_7$
z	9.37755102041	$-0.908163x_{11} + 0.357143x_{16} - 0.459184x_2 - 0.469388x_{17} - 3.591837x_1 - 0.397959x_8 - 1.122449x_7$

x_{16} enters and x_3 leaves

x_6	3.14285714286	$+0.142857x_{11} - 1.333333x_3 - 0.380952x_2 + 0.047619x_{17} + 0.857143x_1 - 0.285714x_8 + 0.142857x_7$
x_9	9.78571428571	$-0.214286x_{11} - 1.333333x_3 - 1.595238x_2 + 0.761905x_{17} + 0.214286x_1 - 0.071429x_8 - 3.714286x_7$
x_{10}	17.0	$-6.666667x_3 - 0.333333x_2 + 0.666667x_{17} - 3.000000x_1 - 1.000000x_8 + 0.000000x_7$
x_5	1.78571428571	$-0.214286x_{11} + 0.333333x_3 - 0.261905x_2 + 0.095238x_{17} - 0.785714x_1 - 0.071429x_8 - 0.714286x_7$
x_{12}	8.64285714286	$-0.357143x_{11} + 0.666667x_3 + 3.119048x_2 - 0.952381x_{17} + 3.357143x_1 + 0.214286x_8 + 2.142857x_7$
x_{13}	8.42857142857	$+0.428571x_{11} + 1.333333x_3 + 0.523810x_2 - 0.190476x_{17} + 2.571429x_1 + 0.142857x_8 + 2.428571x_7$
x_{14}	21.4285714286	$-0.571429x_{11} - 1.000000x_3 + 1.857143x_2 + 0.142857x_{17} + 2.571429x_1 - 0.857143x_8 - 0.571429x_7$
x_{15}	4.07142857143	$+0.071429x_{11} + 0.666667x_3 - 1.023810x_2 - 0.809524x_{17} - 0.071429x_1 + 0.357143x_8 + 0.571429x_7$
x_{16}	3.14285714286	$+1.142857x_{11} - 4.666667x_3 - 1.047619x_2 + 0.380952x_{17} + 5.857143x_1 - 0.285714x_8 + 3.142857x_7$
x_4	2.78571428571	$-0.214286x_{11} + 0.666667x_3 + 0.404762x_2 - 0.238095x_{17} + 0.214286x_1 - 0.071429x_8 + 0.285714x_7$
z	10.5	$-0.500000x_{11} - 1.666667x_3 - 0.833333x_2 - 0.333333x_{17} - 1.500000x_1 - 0.500000x_8 + 0.000000x_7$

x_7 enters and x_5 leaves

x_6	3.5	$+0.100000x_{11} - 1.266667x_3 - 0.433333x_2 + 0.066667x_{17} + 0.700000x_1 - 0.300000x_8 - 0.200000x_5$
x_9	0.5	$+0.900000x_{11} - 3.066667x_3 - 0.233333x_2 + 0.266667x_{17} + 4.300000x_1 + 0.300000x_8 + 5.200000x_5$
x_{10}	17.0	$-0.000000x_{11} - 6.666667x_3 - 0.333333x_2 + 0.666667x_{17} - 3.000000x_1 - 1.000000x_8 - 0.000000x_5$
x_7	2.5	$-0.300000x_{11} + 0.466667x_3 - 0.366667x_2 + 0.133333x_{17} - 1.100000x_1 - 0.100000x_8 - 1.400000x_5$
x_{12}	14.0	$-1.000000x_{11} + 1.666667x_3 + 2.333333x_2 - 0.666667x_{17} + 1.000000x_1 + 0.000000x_8 - 3.000000x_5$
x_{13}	14.5	$-0.300000x_{11} + 2.466667x_3 - 0.366667x_2 + 0.133333x_{17} - 0.100000x_1 - 0.100000x_8 - 3.400000x_5$
x_{14}	20.0	$-0.400000x_{11} - 1.266667x_3 + 2.066667x_2 + 0.066667x_{17} + 3.200000x_1 - 0.800000x_8 + 0.800000x_5$
x_{15}	5.5	$-0.100000x_{11} + 0.933333x_3 - 1.233333x_2 - 0.733333x_{17} - 0.700000x_1 + 0.300000x_8 - 0.800000x_5$
x_{16}	11.0	$+0.200000x_{11} - 3.200000x_3 - 2.200000x_2 + 0.800000x_{17} + 2.400000x_1 - 0.600000x_8 - 4.400000x_5$
x_4	3.5	$-0.300000x_{11} + 0.800000x_3 + 0.300000x_2 - 0.200000x_{17} - 0.100000x_1 - 0.100000x_8 - 0.400000x_5$
z	10.5	$-0.500000x_{11} - 1.666667x_3 - 0.833333x_2 - 0.333333x_{17} - 1.500000x_1 - 0.500000x_8 - 0.000000x_5$

x_{-1} enters and Final Dictionary Solution: 10.5 Num Pivots: 8