

$x_9$	3.0	$+3.000000x_1 - 3.000000x_2 - 1.000000x_3 + 3.000000x_4 + 3.000000x_5 - 1.000000x_6 - 1.000000x_7 + 3.000000x_8$
$x_{10}$	3.0	$-3.000000x_1 + 3.000000x_2 + 2.000000x_4 + 3.000000x_7 + 1.000000x_8$
$x_{11}$	4.0	$+2.000000x_1 - 2.000000x_2 - 2.000000x_3 + 3.000000x_4 + 1.000000x_6 + 2.000000x_7$
$x_{12}$	13.0	$-3.000000x_1 - 1.000000x_2 - 2.000000x_3 - 2.000000x_6 + 2.000000x_7 - 2.000000x_8$
$x_{13}$	7.0	$+1.000000x_2 - 2.000000x_3 - 3.000000x_4 - 3.000000x_5 + 2.000000x_6 - 2.000000x_8$
$x_{14}$	7.0	$-1.000000x_1 - 3.000000x_4 - 2.000000x_5 + 1.000000x_6 - 1.000000x_7 + 2.000000x_8$
$x_{15}$	3.0	$-3.000000x_1 - 2.000000x_2 - 2.000000x_3 - 3.000000x_4 + 3.000000x_5 - 2.000000x_6 - 1.000000x_7 + 1.000000x_8$
$x_{16}$	9.0	$+3.000000x_1 + 2.000000x_3 + 3.000000x_4 + 3.000000x_7 - 3.000000x_8$
$x_{17}$	3.0	$-2.000000x_1 - 2.000000x_2 + 3.000000x_3 + 3.000000x_4 + 3.000000x_6 + 1.000000x_7 + 2.000000x_8$
$x_{18}$	14.0	$-3.000000x_1 - 2.000000x_2 + 1.000000x_5 + 3.000000x_6 - 1.000000x_8$
$x_{19}$	9.0	$+1.000000x_1 - 3.000000x_2 - 3.000000x_3 + 2.000000x_4 - 1.000000x_5 + 2.000000x_7 - 1.000000x_8$
$x_{20}$	4.0	$+2.000000x_1 - 3.000000x_2 - 2.000000x_4 - 1.000000x_5 + 3.000000x_6 + 2.000000x_7 + 1.000000x_8$
$x_{21}$	15.0	$-1.000000x_1 - 1.000000x_2 + 1.000000x_3 - 2.000000x_4 - 2.000000x_5 + 2.000000x_6 + 3.000000x_7 - 3.000000x_8$
$x_{22}$	5.0	$-1.000000x_1 + 2.000000x_3 + 3.000000x_4 - 1.000000x_5 - 2.000000x_6 - 1.000000x_7 + 1.000000x_8$
$x_{23}$	10.0	$-3.000000x_3 - 3.000000x_4 - 1.000000x_5 - 3.000000x_6 - 1.000000x_7 - 3.000000x_8$
$z$	0.0	$-1.000000x_1 + 2.000000x_4 - 2.000000x_5 + 2.000000x_6 + 1.000000x_7 - 1.000000x_8$

No initialization required - Proceed to Optimize.

$x_9$	3.0	$+3.000000x_1 - 3.000000x_2 - 1.000000x_3 + 3.000000x_4 + 3.000000x_5 - 1.000000x_6 - 1.000000x_7 + 3.000000x_8$
$x_{10}$	3.0	$-3.000000x_1 + 3.000000x_2 + 2.000000x_4 + 3.000000x_7 + 1.000000x_8$
$x_{11}$	4.0	$+2.000000x_1 - 2.000000x_2 - 2.000000x_3 + 3.000000x_4 + 1.000000x_6 + 2.000000x_7$
$x_{12}$	13.0	$-3.000000x_1 - 1.000000x_2 - 2.000000x_3 - 2.000000x_6 + 2.000000x_7 - 2.000000x_8$
$x_{13}$	7.0	$+1.000000x_2 - 2.000000x_3 - 3.000000x_4 - 3.000000x_5 + 2.000000x_6 - 2.000000x_8$
$x_{14}$	7.0	$-1.000000x_1 - 3.000000x_4 - 2.000000x_5 + 1.000000x_6 - 1.000000x_7 + 2.000000x_8$
$x_{15}$	3.0	$-3.000000x_1 - 2.000000x_2 - 2.000000x_3 - 3.000000x_4 + 3.000000x_5 - 2.000000x_6 - 1.000000x_7 + 1.000000x_8$
$x_{16}$	9.0	$+3.000000x_1 + 2.000000x_3 + 3.000000x_4 + 3.000000x_7 - 3.000000x_8$
$x_{17}$	3.0	$-2.000000x_1 - 2.000000x_2 + 3.000000x_3 + 3.000000x_4 + 3.000000x_6 + 1.000000x_7 + 2.000000x_8$
$x_{18}$	14.0	$-3.000000x_1 - 2.000000x_2 + 1.000000x_5 + 3.000000x_6 - 1.000000x_8$
$x_{19}$	9.0	$+1.000000x_1 - 3.000000x_2 - 3.000000x_3 + 2.000000x_4 - 1.000000x_5 + 2.000000x_7 - 1.000000x_8$
$x_{20}$	4.0	$+2.000000x_1 - 3.000000x_2 - 2.000000x_4 - 1.000000x_5 + 3.000000x_6 + 2.000000x_7 + 1.000000x_8$
$x_{21}$	15.0	$-1.000000x_1 - 1.000000x_2 + 1.000000x_3 - 2.000000x_4 - 2.000000x_5 + 2.000000x_6 + 3.000000x_7 - 3.000000x_8$
$x_{22}$	5.0	$-1.000000x_1 + 2.000000x_3 + 3.000000x_4 - 1.000000x_5 - 2.000000x_6 - 1.000000x_7 + 1.000000x_8$
$x_{23}$	10.0	$-3.000000x_3 - 3.000000x_4 - 1.000000x_5 - 3.000000x_6 - 1.000000x_7 - 3.000000x_8$
$z$	0.0	$-1.000000x_1 + 2.000000x_4 - 2.000000x_5 + 2.000000x_6 + 1.000000x_7 - 1.000000x_8$

$x_4$  enters and  $x_{15}$  leaves

$x_9$	6.0	$-5.000000x_2 - 3.000000x_3 - 1.000000x_{15} + 6.000000x_5 - 3.000000x_6 - 2.000000x_7 + 4.000000x_8$
$x_{10}$	5.0	$-5.000000x_1 + 1.666667x_2 - 1.333333x_3 - 0.666667x_{15} + 2.000000x_5 - 1.333333x_6 + 2.333333x_7 + 1.666667x_8$
$x_{11}$	7.0	$-1.000000x_1 - 4.000000x_2 - 4.000000x_3 - 1.000000x_{15} + 3.000000x_5 - 1.000000x_6 + 1.000000x_7 + 1.000000x_8$
$x_{12}$	13.0	$-3.000000x_1 - 1.000000x_2 - 2.000000x_3 - 2.000000x_6 + 2.000000x_7 - 2.000000x_8$
$x_{13}$	4.0	$+3.000000x_1 + 3.000000x_2 + 1.000000x_{15} - 6.000000x_5 + 4.000000x_6 + 1.000000x_7 - 3.000000x_8$
$x_{14}$	4.0	$+2.000000x_1 + 2.000000x_2 + 2.000000x_3 + 1.000000x_{15} - 5.000000x_5 + 3.000000x_6 + 1.000000x_8$
$x_4$	1.0	$-1.000000x_1 - 0.666667x_2 - 0.666667x_3 - 0.333333x_{15} + 1.000000x_5 - 0.666667x_6 - 0.333333x_7 + 0.333333x_8$
$x_{16}$	12.0	$-2.000000x_2 - 1.000000x_{15} + 3.000000x_5 - 2.000000x_6 + 2.000000x_7 - 2.000000x_8$
$x_{17}$	6.0	$-5.000000x_1 - 4.000000x_2 + 1.000000x_3 - 1.000000x_{15} + 3.000000x_5 + 1.000000x_6 + 3.000000x_8$
$x_{18}$	14.0	$-3.000000x_1 - 2.000000x_2 + 1.000000x_5 + 3.000000x_6 - 1.000000x_8$
$x_{19}$	11.0	$-1.000000x_1 - 4.333333x_2 - 4.333333x_3 - 0.666667x_{15} + 1.000000x_5 - 1.333333x_6 + 1.333333x_7 - 0.333333x_8$
$x_{20}$	2.0	$+4.000000x_1 - 1.666667x_2 + 1.333333x_3 + 0.666667x_{15} - 3.000000x_5 + 4.333333x_6 + 2.666667x_7 + 0.333333x_8$
$x_{21}$	13.0	$+1.000000x_1 + 0.333333x_2 + 2.333333x_3 + 0.666667x_{15} - 4.000000x_5 + 3.333333x_6 + 3.666667x_7 - 3.666667x_8$
$x_{22}$	8.0	$-4.000000x_1 - 2.000000x_2 - 1.000000x_{15} + 2.000000x_5 - 4.000000x_6 - 2.000000x_7 + 2.000000x_8$
$x_{23}$	7.0	$+3.000000x_1 + 2.000000x_2 - 1.000000x_3 + 1.000000x_{15} - 4.000000x_5 - 1.000000x_6 - 4.000000x_8$
$z$	2.0	$-3.000000x_1 - 1.333333x_2 - 1.333333x_3 - 0.666667x_{15} + 0.666667x_6 + 0.333333x_7 - 0.333333x_8$

$x_6$  enters and  $x_4$  leaves

$x_9$	1.5	$+4.500000x_1 - 2.000000x_2 + 0.500000x_{15} + 1.500000x_5 + 4.500000x_4 - 0.500000x_7 + 2.500000x_8$
$x_{10}$	3.0	$-3.000000x_1 + 3.000000x_2 + 2.000000x_4 + 3.000000x_7 + 1.000000x_8$
$x_{11}$	5.5	$+0.500000x_1 - 3.000000x_2 - 3.000000x_3 - 0.500000x_{15} + 1.500000x_5 + 1.500000x_4 + 1.500000x_7 + 0.500000x_8$
$x_{12}$	10.0	$+1.000000x_2 + 1.000000x_{15} - 3.000000x_5 + 3.000000x_4 + 3.000000x_7 - 3.000000x_8$
$x_{13}$	10.0	$-3.000000x_1 - 1.000000x_2 - 4.000000x_3 - 1.000000x_{15} - 6.000000x_4 - 1.000000x_7 - 1.000000x_8$
$x_{14}$	8.5	$-2.500000x_1 - 1.000000x_2 - 1.000000x_3 - 0.500000x_{15} - 0.500000x_5 - 4.500000x_4 - 1.500000x_7 + 2.500000x_8$
$x_6$	1.5	$-1.500000x_1 - 1.000000x_2 - 1.000000x_3 - 0.500000x_{15} + 1.500000x_5 - 1.500000x_4 - 0.500000x_7 + 0.500000x_8$
$x_{16}$	9.0	$+3.000000x_1 + 2.000000x_3 + 3.000000x_4 + 3.000000x_7 - 3.000000x_8$
$x_{17}$	7.5	$-6.500000x_1 - 5.000000x_2 - 1.500000x_{15} + 4.500000x_5 - 1.500000x_4 - 0.500000x_7 + 3.500000x_8$
$x_{18}$	18.5	$-7.500000x_1 - 5.000000x_2 - 3.000000x_3 - 1.500000x_{15} + 5.500000x_5 - 4.500000x_4 - 1.500000x_7 + 0.500000x_8$
$x_{19}$	9.0	$+1.000000x_1 - 3.000000x_2 - 3.000000x_3 - 1.000000x_5 + 2.000000x_4 + 2.000000x_7 - 1.000000x_8$
$x_{20}$	8.5	$-2.500000x_1 - 6.000000x_2 - 3.000000x_3 - 1.500000x_{15} + 3.500000x_5 - 6.500000x_4 + 0.500000x_7 + 2.500000x_8$
$x_{21}$	18.0	$-4.000000x_1 - 3.000000x_2 - 1.000000x_3 - 1.000000x_{15} + 1.000000x_5 - 5.000000x_4 + 2.000000x_7 - 2.000000x_8$
$x_{22}$	2.0	$+2.000000x_1 + 2.000000x_2 + 4.000000x_3 + 1.000000x_{15} - 4.000000x_5 + 6.000000x_4$
$x_{23}$	5.5	$+4.500000x_1 + 3.000000x_2 + 1.500000x_{15} - 5.500000x_5 + 1.500000x_4 + 0.500000x_7 - 4.500000x_8$
$z$	3.0	$-4.000000x_1 - 2.000000x_2 - 2.000000x_3 - 1.000000x_{15} + 1.000000x_5 - 1.000000x_4$

$x_5$  enters and  $x_{22}$  leaves

$x_9$	2.25	$+5.250000x_1 - 1.250000x_2 + 1.500000x_3 + 0.875000x_{15} - 0.375000x_{22} + 6.750000x_4 - 0.500000x_7 + 2.500000x_8$
$x_{10}$	3.0	$-3.000000x_1 + 3.000000x_2 + 2.000000x_4 + 3.000000x_7 + 1.000000x_8$
$x_{11}$	6.25	$+1.250000x_1 - 2.250000x_2 - 1.500000x_3 - 0.125000x_{15} - 0.375000x_{22} + 3.750000x_4 + 1.500000x_7 + 0.500000x_8$
$x_{12}$	8.5	$-1.500000x_1 - 0.500000x_2 - 3.000000x_3 + 0.250000x_{15} + 0.750000x_{22} - 1.500000x_4 + 3.000000x_7 - 3.000000x_8$
$x_{13}$	10.0	$-3.000000x_1 - 1.000000x_2 - 4.000000x_3 - 1.000000x_{15} - 6.000000x_4 - 1.000000x_7 - 1.000000x_8$
$x_{14}$	8.25	$-2.750000x_1 - 1.250000x_2 - 1.500000x_3 - 0.625000x_{15} + 0.125000x_{22} - 5.250000x_4 - 1.500000x_7 + 2.500000x_8$
$x_6$	2.25	$-0.750000x_1 - 0.250000x_2 + 0.500000x_3 - 0.125000x_{15} - 0.375000x_{22} + 0.750000x_4 - 0.500000x_7 + 0.500000x_8$
$x_{16}$	9.0	$+3.000000x_1 + 2.000000x_3 + 3.000000x_4 + 3.000000x_7 - 3.000000x_8$
$x_{17}$	9.75	$-4.250000x_1 - 2.750000x_2 + 4.500000x_3 - 0.375000x_{15} - 1.125000x_{22} + 5.250000x_4 - 0.500000x_7 + 3.500000x_8$
$x_{18}$	21.25	$-4.750000x_1 - 2.250000x_2 + 2.500000x_3 - 0.125000x_{15} - 1.375000x_{22} + 3.750000x_4 - 1.500000x_7 + 0.500000x_8$
$x_{19}$	8.5	$+0.500000x_1 - 3.500000x_2 - 4.000000x_3 - 0.250000x_{15} + 0.250000x_{22} + 0.500000x_4 + 2.000000x_7 - 1.000000x_8$
$x_{20}$	10.25	$-0.750000x_1 - 4.250000x_2 + 0.500000x_3 - 0.625000x_{15} - 0.875000x_{22} - 1.250000x_4 + 0.500000x_7 + 2.500000x_8$
$x_{21}$	18.5	$-3.500000x_1 - 2.500000x_2 - 0.750000x_{15} - 0.250000x_{22} - 3.500000x_4 + 2.000000x_7 - 2.000000x_8$
$x_5$	0.5	$+0.500000x_1 + 0.500000x_2 + 1.000000x_3 + 0.250000x_{15} - 0.250000x_{22} + 1.500000x_4$
$x_{23}$	2.75	$+1.750000x_1 + 0.250000x_2 - 5.500000x_3 + 0.125000x_{15} + 1.375000x_{22} - 6.750000x_4 + 0.500000x_7 - 4.500000x_8$
$z$	3.5	$-3.500000x_1 - 1.500000x_2 - 1.000000x_3 - 0.750000x_{15} - 0.250000x_{22} + 0.500000x_4$

$x_4$  enters and  $x_{23}$  leaves

$x_9$	5.0	$+7.000000x_1 - 1.000000x_2 - 4.000000x_3 + 1.000000x_{15} + 1.000000x_{22} - 1.000000x_{23} - 2.000000x_4$
$x_{10}$	3.81481481481	$-2.481481x_1 + 3.074074x_2 - 1.629630x_3 + 0.037037x_{15} + 0.407407x_{22} - 0.296296x_{23} + 3.148148x_7 - 0.370370x_8$
$x_{11}$	7.77777777778	$+2.222222x_1 - 2.111111x_2 - 4.555556x_3 - 0.055556x_{15} + 0.388889x_{22} - 0.555556x_{23} + 1.777778x_7 - 2.000000x_8$
$x_{12}$	7.88888888889	$-1.888889x_1 - 0.555556x_2 - 1.777778x_3 + 0.222222x_{15} + 0.444444x_{22} + 0.222222x_{23} + 2.888889x_7 - 2.000000x_8$
$x_{13}$	7.55555555556	$-4.555556x_1 - 1.222222x_2 + 0.888889x_3 - 1.111111x_{15} - 1.222222x_{22} + 0.888889x_{23} - 1.444444x_7 + 3.000000x_8$
$x_{14}$	6.11111111111	$-4.111111x_1 - 1.444444x_2 + 2.777778x_3 - 0.722222x_{15} - 0.944444x_{22} + 0.777778x_{23} - 1.888889x_7 + 6.000000x_8$
$x_6$	2.55555555556	$-0.555556x_1 - 0.222222x_2 - 0.111111x_3 - 0.111111x_{15} - 0.222222x_{22} - 0.111111x_{23} - 0.444444x_7$
$x_{16}$	10.2222222222	$+3.777778x_1 + 0.111111x_2 - 0.444444x_3 + 0.055556x_{15} + 0.611111x_{22} - 0.444444x_{23} + 3.222222x_7 - 5.000000x_8$
$x_{17}$	11.8888888889	$-2.888889x_1 - 2.555556x_2 + 0.222222x_3 - 0.277778x_{15} - 0.055556x_{22} - 0.777778x_{23} - 0.111111x_7$
$x_{18}$	22.7777777778	$-3.777778x_1 - 2.111111x_2 - 0.555556x_3 - 0.055556x_{15} - 0.611111x_{22} - 0.555556x_{23} - 1.222222x_7 - 2.000000x_8$
$x_{19}$	8.7037037037	$+0.629630x_1 - 3.481481x_2 - 4.407407x_3 - 0.240741x_{15} + 0.351852x_{22} - 0.074074x_{23} + 2.037037x_7 - 1.370370x_8$
$x_{20}$	9.74074074074	$-1.074074x_1 - 4.296296x_2 + 1.518519x_3 - 0.648148x_{15} - 1.129630x_{22} + 0.185185x_{23} + 0.407407x_7 + 3.370370x_8$
$x_{21}$	17.0740740741	$-4.407407x_1 - 2.629630x_2 + 2.851852x_3 - 0.814815x_{15} - 0.962963x_{22} + 0.518519x_{23} + 1.740741x_7 + 0.370370x_8$
$x_5$	1.11111111111	$+0.888889x_1 + 0.555556x_2 - 0.222222x_3 + 0.277778x_{15} + 0.055556x_{22} - 0.222222x_{23} + 0.111111x_7 - 1.000000x_8$
$x_4$	0.407407407407	$+0.259259x_1 + 0.037037x_2 - 0.814815x_3 + 0.018519x_{15} + 0.203704x_{22} - 0.148148x_{23} + 0.074074x_7 - 0.629630x_8$
$z$	3.7037037037	$-3.370370x_1 - 1.481481x_2 - 1.407407x_3 - 0.740741x_{15} - 0.148148x_{22} - 0.074074x_{23} + 0.037037x_7 - 0.370370x_8$

$x_7$  enters and  $x_{14}$  leaves

$x_9$	5.0	$+7.000000x_1 - 1.000000x_2 - 4.000000x_3 + 1.000000x_{15} + 1.000000x_{22} - 1.000000x_{23}$	-2.
$x_{10}$	14.0	$-9.333333x_1 + 0.666667x_2 + 3.000000x_3 - 1.166667x_{15} - 1.166667x_{22} + 1.000000x_{23} - 1.666667x_{14} + 9.$	
$x_{11}$	13.5294117647	$-1.647059x_1 - 3.470588x_2 - 1.941176x_3 - 0.735294x_{15} - 0.500000x_{22} + 0.176471x_{23} - 0.941176x_{14} + 3.$	
$x_{12}$	17.2352941176	$-8.176471x_1 - 2.764706x_2 + 2.470588x_3 - 0.882353x_{15} - 1.000000x_{22} + 1.411765x_{23} - 1.529412x_{14} + 7.$	
$x_{13}$	2.88235294118	$-1.411765x_1 - 0.117647x_2 - 1.235294x_3 - 0.558824x_{15} - 0.500000x_{22} + 0.294118x_{23} + 0.764706x_{14} - 1.$	
$x_7$	3.23529411765	$-2.176471x_1 - 0.764706x_2 + 1.470588x_3 - 0.382353x_{15} - 0.500000x_{22} + 0.411765x_{23} - 0.529412x_{14} + 3.$	
$x_6$	1.11764705882	$+0.411765x_1 + 0.117647x_2 - 0.764706x_3 + 0.058824x_{15} - 0.000000x_{22} - 0.294118x_{23} + 0.235294x_{14} - 1.$	
$x_{16}$	20.6470588235	$-3.235294x_1 - 2.352941x_2 + 4.294118x_3 - 1.176471x_{15} - 1.000000x_{22} + 0.882353x_{23} - 1.705882x_{14} + 5.$	
$x_{17}$	11.5294117647	$-2.647059x_1 - 2.470588x_2 + 0.058824x_3 - 0.235294x_{15}$	$-0.823529x_{23} + 0.058824x_{14} - 0.$
$x_{18}$	18.8235294118	$-1.117647x_1 - 1.176471x_2 - 2.352941x_3 + 0.411765x_{15}$	$-1.058824x_{23} + 0.647059x_{14} - 5.$
$x_{19}$	15.2941176471	$-3.803922x_1 - 5.039216x_2 - 1.411765x_3 - 1.019608x_{15} - 0.666667x_{22} + 0.764706x_{23} - 1.078431x_{14} + 5.$	
$x_{20}$	11.0588235294	$-1.960784x_1 - 4.607843x_2 + 2.117647x_3 - 0.803922x_{15} - 1.333333x_{22} + 0.352941x_{23} - 0.215686x_{14} + 4.$	
$x_{21}$	22.7058823529	$-8.196078x_1 - 3.960784x_2 + 5.411765x_3 - 1.480392x_{15} - 1.833333x_{22} + 1.235294x_{23} - 0.921569x_{14} + 5.$	
$x_5$	1.47058823529	$+0.647059x_1 + 0.470588x_2 - 0.058824x_3 + 0.235294x_{15} - 0.000000x_{22} - 0.176471x_{23} - 0.058824x_{14} - 0.$	
$x_4$	0.647058823529	$+0.098039x_1 - 0.019608x_2 - 0.705882x_3 - 0.009804x_{15} + 0.166667x_{22} - 0.117647x_{23} - 0.039216x_{14} - 0.$	
$z$	3.82352941176	$-3.450980x_1 - 1.509804x_2 - 1.352941x_3 - 0.754902x_{15} - 0.166667x_{22} - 0.058824x_{23} - 0.019608x_{14} - 0.$	

$x_{-1}$  enters and Final Dictionary Solution: 3.82352941176 Num Pivots: 5