1 dict1

$$
\begin{array}{c|ccccc}
x_1 & 1 & & & -1x_5 & -2x_7 \\
x_3 & 3 & +1x_2 & -1x_4 & & -1x_7 \\
x_6 & 0 & -1x_2 & & -2x_5 & \\
\hline
z & 1 & -1x_2 & +2x_4 & +3x_5 & +1x_7
\end{array}
$$

x_4 enters and x_3 leaves

$$
\begin{array}{c|ccccc}
x_1 & 1 & & & -1x_5 & -2x_7 \\
x_4 & 3 & +1x_2 & -1x_3 & & -1x_7 \\
x_6 & 0 & -1x_2 & & -2x_5 & \\
\hline
z & 7 & +1x_2 & -2x_3 & +3x_5 & -1x_7
\end{array}
$$

x_2 enters and x_6 leaves

$$
\begin{array}{c|ccccc}
x_1 & 1 & & & -1x_5 & -2x_7 \\
x_4 & 3 & -1x_6 & -1x_3 & -2x_5 & -1x_7 \\
x_2 & 0 & -1x_6 & & -2x_5 & \\
\hline
z & 7 & -1x_6 & -2x_3 & +1x_5 & -1x_7
\end{array}
$$

x_5 enters and x_2 leaves

$$
\begin{array}{c|ccccc}
x_1 & 1 & +0.5x_6 & & +0.5x_2 & -2x_7 \\
x_4 & 3 & & -1x_3 & +1x_2 & -1x_7 \\
x_5 & 0 & -0.5x_6 & & -0.5x_2 & \\
\hline
z & 7 & -1.5x_6 & -2x_3 & -0.5x_2 & -1x_7
\end{array}
$$

Final Dictionary
Solution: : 7.0 #Pivots: 3

2 dict2

$$
\begin{array}{c|ccc}
x_3 & 1 & & -1x_2 \\
x_4 & 2 & -1x_1 & +2x_2 \\
x_5 & 1 & -2x_1 & \\
\hline
z & 1 & & +3x_2
\end{array}
$$

x_2 enters and x_3 leaves

$$
\begin{array}{c|ccc}
x_2 & 1 & & -1x_3 \\
x_4 & 4 & -1x_1 & -2x_3 \\
x_5 & 1 & -2x_1 & \\
\hline
z & 4 & & -3x_3
\end{array}
$$

Final Dictionary
Solution: : 4.0 #Pivots: 1

3   dict3

$$
\begin{array}{c|ccc}
x_4 & 1 & +1x_1 & -1x_2 & \\
x_5 & 2 & -1x_1 & & -1x_3 \\
x_6 & 1 & -1x_1 & -1x_2 & -1x_3 \\
\hline
z & 1 & +1x_1 & +1x_2 & +2x_3
\end{array}
$$

x_1 enters and x_6 leaves

$$
\begin{array}{c|cccc}
x_4 & 2 & -1x_6 & -2x_2 & -1x_3 \\
x_5 & 1 & +1x_6 & +1x_2 & \\
x_1 & 1 & -1x_6 & -1x_2 & -1x_3 \\
\hline
z & 2 & -1x_6 & & +1x_3
\end{array}
$$

x_3 enters and x_1 leaves

$$
\begin{array}{c|cccc}
x_4 & 1 & & -1x_2 & +1x_1 \\
x_5 & 1 & +1x_6 & +1x_2 & \\
x_3 & 1 & -1x_6 & -1x_2 & -1x_1 \\
\hline
z & 3 & -2x_6 & -1x_2 & -1x_1
\end{array}
$$

Final Dictionary
Solution: : 3.0 #Pivots: 2

4   dict4

$$
\begin{array}{c|ccc}
x_3 & 2 & +3x_1 & -1x_2 \\
x_4 & 11 & & -1x_2 \\
x_5 & 3 & -1x_1 & +1x_2 \\
x_6 & 6 & -1x_1 & \\
\hline
z & 0 & +1x_1 & +2x_2
\end{array}
$$

x_1 enters and x_5 leaves

$$
\begin{array}{c|ccc}
x_3 & 11 & -3x_5 & +2x_2 \\
x_4 & 11 & & -1x_2 \\
x_1 & 3 & -1x_5 & +1x_2 \\
x_6 & 3 & +1x_5 & -1x_2 \\
\hline
z & 3 & -1x_5 & +3x_2
\end{array}
$$

x_2 enters and x_6 leaves

$$
\begin{array}{c|ccc}
x_3 & 17 & -1x_5 & -2x_6 \\
x_4 & 8 & -1x_5 & +1x_6 \\
x_1 & 6 & & -1x_6 \\
x_2 & 3 & +1x_5 & -1x_6 \\
\hline
z & 12 & +2x_5 & -3x_6
\end{array}
$$

x_5 enters and x_4 leaves

$$
\begin{array}{c|lll}
x_3 & 9 & +1x_4 & -3x_6 \\
x_5 & 8 & -1x_4 & +1x_6 \\
x_1 & 6 & & -1x_6 \\
x_2 & 11 & -1x_4 & \\
\hline
z & 28 & -2x_4 & -1x_6
\end{array}
$$

Final Dictionary
Solution: : 28.0 #Pivots: 3

5   dict5

$$
\begin{array}{c|llll}
x_6 & 6 & -1x_4 & -3x_3 & +2x_1 \\
x_2 & 12 & & -6x_3 & -1x_1 & -1x_5 \\
\hline
z & 0 & +2x_4 & +1x_3 & -3x_1 & +4x_5
\end{array}
$$

x_3 enters and x_2 leaves

$$
\begin{array}{c|lllll}
x_6 & 0 & -1x_4 & +0.5x_2 & & +2.5x_1 & +0.5x_5 \\
x_3 & 2 & & -0.166667x_2 & -0.166667x_1 & -0.166667x_5 \\
\hline
z & 2 & +2x_4 & -0.166667x_2 & -3.166667x_1 & +3.833333x_5
\end{array}
$$

x_4 enters and x_6 leaves

$$
\begin{array}{c|lllll}
x_4 & 0 & -1x_6 & +0.5x_2 & & +2.5x_1 & +0.5x_5 \\
x_3 & 2 & & -0.166667x_2 & -0.166667x_1 & -0.166667x_5 \\
\hline
z & 2 & -2x_6 & +0.833333x_2 & +1.833333x_1 & +4.833333x_5
\end{array}
$$

x_1 enters and x_3 leaves

$$
\begin{array}{c|lllll}
x_4 & 30 & -1x_6 & -2x_2 & -15x_3 & -2x_5 \\
x_1 & 12 & & -1x_2 & -6x_3 & -1x_5 \\
\hline
z & 24 & -2x_6 & -1x_2 & -11x_3 & +3x_5
\end{array}
$$

x_5 enters and x_1 leaves

$$
\begin{array}{c|lllll}
x_4 & 6 & -1x_6 & & -3x_3 & +2x_1 \\
x_5 & 12 & & -1x_2 & -6x_3 & -1x_1 \\
\hline
z & 60 & -2x_6 & -4x_2 & -29x_3 & -3x_1
\end{array}
$$

Final Dictionary
Solution: : 60.0 #Pivots: 4

6   dict6

$$
\begin{array}{c|llll}
x_4 & 1 & +1x_1 & -1x_2 \\
x_5 & 2 & & & -1x_3 \\
x_6 & 1 & & -1x_2 & -1x_3 \\
\hline
z & 1 & +1x_1 & +1x_2 & +2x_3
\end{array}
$$

x_1 enters and Unbounded Dictionary!

7 dict7

$$
\begin{array}{c|ccc}
x_4 & 2 & -1x_5 & \\
x_6 & 2 & & -1x_3 \\
x_2 & 2 & -2x_5 & -2x_3 \\
x_1 & 4 & +1x_5 & +1x_3 \\
\hline
z & 0 & +6x_5 & -5x_3 \\
\end{array}
$$

x_5 enters and x_2 leaves

$$
\begin{array}{c|ccc}
x_4 & 1 & +0.5x_2 & +1x_3 \\
x_6 & 2 & & -1x_3 \\
x_5 & 1 & -0.5x_2 & -1x_3 \\
x_1 & 5 & -0.5x_2 & \\
\hline
z & 6 & -3x_2 & -11x_3 \\
\end{array}
$$

Final Dictionary
Solution: : 6.0 #Pivots: 1

8 dict8

$$
\begin{array}{c|ccccc}
x_5 & 8.4 & +0.7x_1 & -1.4x_2 & -5.9x_3 & -5.4x_4 \\
x_6 & 4.4 & -7.1x_1 & -3.2x_2 & +7.5x_3 & +2.8x_4 \\
x_7 & 4.1 & +7.4x_1 & +1.2x_2 & +6.3x_3 & +3.3x_4 \\
x_8 & 2.4 & -0.3x_1 & -7.8x_2 & -0.9x_3 & -1.1x_4 \\
x_9 & 9.7 & -5.6x_1 & -3.2x_2 & -3.2x_3 & +3.9x_4 \\
\hline
z & 0 & -0.9x_1 & +4.9x_2 & -3.6x_3 & +4.1x_4 \\
\end{array}
$$

x_2 enters and x_8 leaves

$$
\begin{array}{c|ccccc}
x_5 & 7.96923076923 & +0.753846x_1 & +0.179487x_8 & -5.738462x_3 & -5.202564x_4 \\
x_6 & 3.41538461538 & -6.976923x_1 & +0.410256x_8 & +7.869231x_3 & +3.251282x_4 \\
x_7 & 4.46923076923 & +7.353846x_1 & -0.153846x_8 & +6.161538x_3 & +3.130769x_4 \\
x_2 & 0.307692307692 & -0.038462x_1 & -0.128205x_8 & -0.115385x_3 & -0.141026x_4 \\
x_9 & 8.71538461538 & -5.476923x_1 & +0.410256x_8 & -2.830769x_3 & +4.351282x_4 \\
\hline
z & 1.50769230769 & -1.088462x_1 & -0.628205x_8 & -4.165385x_3 & +3.408974x_4 \\
\end{array}
$$

x_4 enters and x_5 leaves

$$
\begin{array}{c|ccccc}
x_4 & 1.53178905865 & +0.144899x_1 & +0.0345x_8 & -1.103006x_3 & -0.192213x_5 \\
x_6 & 8.39566288812 & -6.505816x_1 & +0.522425x_8 & +4.283046x_3 & -0.624938x_5 \\
x_7 & 9.26490882208 & +7.807491x_1 & -0.045835x_8 & +2.70828x_3 & -0.601774x_5 \\
x_2 & 0.0916707737802 & -0.058896x_1 & -0.13307x_8 & +0.040168x_3 & +0.027107x_5 \\
x_9 & 15.3806308526 & -4.846427x_1 & +0.560375x_8 & -7.630261x_3 & -0.836373x_5 \\
\hline
z & 6.72952193199 & -0.594505x_1 & -0.510596x_8 & -7.925505x_3 & -0.655249x_5 \\
\end{array}
$$

Final Dictionary
Solution: : 6.72952193199 #Pivots: 2

9 dict9

x_5	3.3	$+3.4x_1$	$-5.6x_2$	$-5.3x_3$	$-7.6x_4$
x_6	9.8	$+6.8x_1$	$+0.6x_2$	$-3.4x_3$	$+2.9x_4$
x_7	4.5	$+8x_1$	$+1.5x_2$	$-3.9x_3$	$+4.3x_4$
x_8	8.8	$+7.6x_1$	$+3.3x_2$	$-2.5x_3$	$-7.5x_4$
x_9	0.2	$-3.9x_1$	$-3.3x_2$	$-4.4x_3$	$-4.2x_4$
z	0	$+2.8x_1$	$+4.5x_2$	$+3.1x_3$	$+2.6x_4$

x_1 enters and x_9 leaves

x_5	3.47435897436	$-0.871795x_9$	$-8.476923x_2$	$-9.135897x_3$	$-11.261538x_4$
x_6	10.1487179487	$-1.74359x_9$	$-5.153846x_2$	$-11.071795x_3$	$-4.423077x_4$
x_7	4.91025641026	$-2.051282x_9$	$-5.269231x_2$	$-12.925641x_3$	$-4.315385x_4$
x_8	9.18974358974	$-1.948718x_9$	$-3.130769x_2$	$-11.074359x_3$	$-15.684615x_4$
x_1	0.0512820512821	$-0.25641x_9$	$-0.846154x_2$	$-1.128205x_3$	$-1.076923x_4$
z	0.14358974359	$-0.717949x_9$	$+2.130769x_2$	$-0.058974x_3$	$-0.415385x_4$

x_2 enters and x_1 leaves

x_5	2.96060606061	$+1.69697x_9$	$+10.018182x_1$	$+2.166667x_3$	$-0.472727x_4$
x_6	9.83636363636	$-0.181818x_9$	$+6.090909x_1$	$-4.2x_3$	$+2.136364x_4$
x_7	4.59090909091	$-0.454545x_9$	$+6.227273x_1$	$-5.9x_3$	$+2.390909x_4$
x_8	9	$-1x_9$	$+3.7x_1$	$-6.9x_3$	$-11.7x_4$
x_2	0.0606060606061	$-0.30303x_9$	$-1.181818x_1$	$-1.333333x_3$	$-1.272727x_4$
z	0.272727272727	$-1.363636x_9$	$-2.518182x_1$	$-2.9x_3$	$-3.127273x_4$

Final Dictionary
Solution: : 0.272727272727 #Pivots: 2

10 dict10

$$
\begin{array}{c|l}
x_{13} & 0.2 \quad +0.3x_1 \ -7x_2 \ +7.6x_3 \ +4.1x_4 \ -0.5x_5 \ +3.4x_6 \ +1.3x_7 \ +5.2x_8 \ +1.5x_9 \ -7.9x_{10} \ -2.7x_{11} \ +2.4x_{12} \\
x_{14} & 0.7 \quad -4.9x_1 \ -5.5x_2 \ +0.6x_3 \ +1.8x_4 \ -8x_5 \ +2.9x_6 \ -5.8x_7 \ -2.3x_8 \ +1.2x_9 \ +0.6x_{10} \ -7.8x_{11} \ +6.8x_{12} \\
x_{15} & 6.3 \quad -2.3x_1 \ +6.8x_2 \ +7.6x_3 \ -6.1x_4 \ -3.1x_5 \ -1.2x_6 \ -1.7x_7 \ -6.9x_8 \ +1.5x_9 \ -6.7x_{10} \ +7.2x_{11} \ -0.9x_{12} \\
x_{16} & 8.3 \quad -7.1x_1 \ +1x_2 \ -3.6x_3 \ +0.7x_4 \ +3.7x_5 \ +2.9x_6 \ -6.5x_7 \ +6.6x_8 \ -2.9x_9 \ +4.7x_{10} \ -2x_{11} \ -2.3x_{12} \\
x_{17} & 5.6 \quad +5.7x_1 \ +6.9x_2 \ -2.8x_3 \ +5.1x_4 \ +4.2x_5 \ +4.3x_6 \ -7.4x_7 \ -2.1x_8 \ +7x_9 \ +6.9x_{10} \ +5.4x_{11} \ -5x_{12} \\
x_{18} & 7.9 \quad +0.5x_1 \ -7.5x_2 \ +5.3x_3 \ +4.4x_4 \ -0.9x_5 \ -1x_6 \ +0.7x_7 \ +3.1x_8 \ +4.6x_9 \ +2.8x_{10} \ +6x_{11} \ +3x_{12} \\
x_{19} & 6.1 \quad +4.4x_1 \ +2.1x_2 \ -4.6x_3 \ +7.7x_4 \ -5x_5 \ +2.7x_6 \ +1.9x_7 \ -4.1x_8 \ -0.6x_9 \ -1.8x_{10} \ -3.6x_{11} \ -3.7x_{12} \\
x_{20} & 1.3 \quad -5.9x_1 \ -4.7x_2 \ +0.9x_3 \ -3.1x_4 \ +1.3x_5 \ -5.6x_6 \ -3.6x_7 \ -5.4x_8 \ -6.9x_9 \ +4.8x_{10} \ -3.8x_{11} \ +5.6x_{12} \\
x_{21} & 3.9 \quad -4.4x_1 \ +4.3x_2 \ +1.1x_3 \ +3.6x_4 \ -4x_5 \ -5x_6 \ +1.2x_7 \ +7x_8 \ +2.4x_9 \ -7.6x_{10} \ -1.1x_{11} \ -4.3x_{12} \\
x_{22} & 2.6 \quad +7.4x_1 \ -6.3x_2 \ +7.8x_3 \ -3.8x_4 \ -6.8x_5 \ +4x_6 \ -7.8x_7 \ -4x_8 \ +4x_9 \qquad -1.8x_{11} \ +6x_{12} \\
x_{23} & 8.2 \quad +7.9x_1 \ +1x_2 \ -1.7x_3 \ +6.5x_4 \ +7.6x_5 \ -2.9x_6 \ -6.4x_7 \ +4.5x_8 \ -5.6x_9 \ -1x_{10} \ -1.4x_{11} \ -7.5x_{12} \\
x_{24} & 9 \quad -6.9x_1 \ -5.2x_2 \ -7.7x_3 \ +0.6x_4 \ +1.6x_5 \ +1x_6 \ +3.1x_7 \ +7.9x_8 \ -0.6x_9 \ +5.5x_{10} \ -4.9x_{11} \ -6.5x_{12} \\
x_{25} & 0.1 \quad -5.9x_1 \ +2.9x_2 \ +6.6x_3 \ +0.5x_4 \ +2.1x_5 \ -0.6x_6 \ +3.3x_7 \ -0.9x_8 \ +6.3x_9 \ -6.2x_{10} \ +0.5x_{11} \ -0.3x_{12} \\
x_{26} & 6.8 \quad -3.7x_1 \ +2x_2 \ +6.5x_3 \ -2.6x_4 \ +4.9x_5 \qquad -7.2x_7 \ -5.1x_8 \ -6.2x_9 \ +4.2x_{10} \ -1.8x_{11} \ -2.6x_{12} \\
x_{27} & 7.6 \quad -4.2x_1 \ +1.7x_2 \ +4.2x_3 \ +6.3x_4 \ +0.9x_5 \ +2.7x_6 \ +0.9x_7 \ +0.1x_8 \ +0.3x_9 \ -3x_{10} \ +0.3x_{11} \ -6.4x_{12} \\
x_{28} & 9.8 \quad -0.7x_1 \ -6.5x_2 \ +4.7x_3 \ -1.5x_4 \ -0.8x_5 \ +1.8x_6 \ -7.7x_7 \ -4.8x_8 \ +2.8x_9 \ -7.1x_{10} \ +1.2x_{11} \ -3.4x_{12} \\
x_{29} & 3 \quad +8x_1 \ -1.5x_2 \ -7.6x_3 \ +4.1x_4 \ -5.9x_5 \ +4.1x_6 \ +4.7x_7 \ -0.7x_8 \ -7.3x_9 \ +1.9x_{10} \ +4.8x_{11} \ -0.5x_{12} \\
x_{30} & 9.6 \quad -0.9x_1 \ -0.7x_2 \ -7.3x_3 \ -1.3x_4 \ +7.7x_5 \qquad -1.7x_7 \ +7.2x_8 \ +1.6x_9 \ -7x_{10} \ +1.5x_{11} \ +5.6x_{12} \\
x_{31} & 9.7 \quad -7.3x_1 \ -7.3x_2 \ +4.9x_3 \ +6.9x_4 \ +7.7x_5 \ -6.3x_6 \ +6.2x_7 \ -6.1x_8 \ -6.9x_9 \ -6.8x_{10} \ +5.2x_{11} \ +5.9x_{12} \\
\hline
z & 0 \quad -2.3x_1 \ +2.9x_2 \ +2.3x_3 \ +4.6x_4 \ -2.7x_5 \ -1.8x_6 \ +0.9x_7 \ +3.4x_8 \ -1.6x_9 \ -4.1x_{10} \ +2.9x_{11} \ -4.1x_{12} \\
\end{array}
$$

x_2 enters and x_{13} leaves

$$
\begin{array}{c|l}
x_2 & 0.0285714285714 \quad +0.042857x_1 \ -0.142857x_{13} \ +1.085714x_3 \ +0.585714x_4 \ -0.071429x_5 \ +0.485714x_6 \ +0 \\
x_{14} & 0.542857142857 \quad -5.135714x_1 \ +0.785714x_{13} \ -5.371429x_3 \ -1.421429x_4 \ -7.607143x_5 \ +0.228571x_6 \ -6 \\
x_{15} & 6.49428571429 \quad -2.008571x_1 \ -0.971429x_{13} \ +14.982857x_3 \ -2.117143x_4 \ -3.585714x_5 \ +2.102857x_6 \ -0 \\
x_{16} & 8.32857142857 \quad -7.057143x_1 \ -0.142857x_{13} \ -2.514286x_3 \ +1.285714x_4 \ +3.628571x_5 \ +3.385714x_6 \ -6 \\
x_{17} & 5.79714285714 \quad +5.995714x_1 \ -0.985714x_{13} \ +4.691429x_3 \ +9.141429x_4 \ +3.707143x_5 \ +7.651429x_6 \ -6 \\
x_{18} & 7.68571428571 \quad +0.178571x_1 \ +1.071429x_{13} \ -2.842857x_3 \ +0.007143x_4 \ -0.364286x_5 \ -4.642857x_6 \ -0 \\
x_{19} & 6.16 \quad +4.49x_1 \ -0.3x_{13} \ -2.32x_3 \ +8.93x_4 \ -5.15x_5 \ +3.72x_6 \qquad - \\
x_{20} & 1.16571428571 \quad -6.101429x_1 \ +0.671429x_{13} \ -4.202857x_3 \ -5.852857x_4 \ +1.635714x_5 \ -7.882857x_6 \ -4 \\
x_{21} & 4.02285714286 \quad -4.215714x_1 \ -0.614286x_{13} \ +5.768571x_3 \ +6.118571x_4 \ -4.307143x_5 \ -2.911429x_6 \ +1 \\
x_{22} & 2.42 \quad +7.13x_1 \ +0.9x_{13} \ +0.96x_3 \ -7.49x_4 \ -6.35x_5 \ +0.94x_6 \qquad - \\
x_{23} & 8.22857142857 \quad +7.942857x_1 \ -0.142857x_{13} \ -0.614286x_3 \ +7.085714x_4 \ +7.528571x_5 \ -2.414286x_6 \ -6 \\
x_{24} & 8.85142857143 \quad -7.122857x_1 \ +0.742857x_{13} \ -13.345714x_3 \ -2.445714x_4 \ +1.971429x_5 \ -1.525714x_6 \ +2 \\
x_{25} & 0.182857142857 \quad -5.775714x_1 \ -0.414286x_{13} \ +9.748571x_3 \ +2.198571x_4 \ +1.892857x_5 \ +0.808571x_6 \ +3 \\
x_{26} & 6.85714285714 \quad -3.614286x_1 \ -0.285714x_{13} \ +8.671429x_3 \ -1.428571x_4 \ +4.757143x_5 \ +0.971429x_6 \ -6 \\
x_{27} & 7.64857142857 \quad -4.127143x_1 \ -0.242857x_{13} \ +6.045714x_3 \ +7.295714x_4 \ +0.778571x_5 \ +3.525714x_6 \ +1 \\
x_{28} & 9.61428571429 \quad -0.978571x_1 \ +0.928571x_{13} \ -2.357143x_3 \ -5.307143x_4 \ -0.335714x_5 \ -1.357143x_6 \ -8 \\
x_{29} & 2.95714285714 \quad +7.935714x_1 \ +0.214286x_{13} \ -9.228571x_3 \ +3.221429x_4 \ -5.792857x_5 \ +3.371429x_6 \ +4 \\
x_{30} & 9.58 \quad -0.93x_1 \ +0.1x_{13} \ -8.06x_3 \ -1.71x_4 \ +7.75x_5 \ -0.34x_6 \qquad - \\
x_{31} & 9.49142857143 \quad -7.612857x_1 \ +1.042857x_{13} \ -3.025714x_3 \ +2.624286x_4 \ +8.221429x_5 \ -9.845714x_6 \ +4 \\
\hline
z & 0.0828571428571 \quad -2.175714x_1 \ -0.414286x_{13} \ +5.448571x_3 \ +6.298571x_4 \ -2.907143x_5 \ -0.391429x_6 \ +1 \\
\end{array}
$$

x_3 enters and x_{14} leaves

x_2	0.13829787234	$-0.995213x_1$	$+0.015957x_{13}$	$-0.202128x_{14}$	$-0.298404x_4$	$-1.609043x_5$	$+0.531915x_6$
x_3	0.101063829787	$-0.956117x_1$	$+0.146277x_{13}$	$-0.18617x_{14}$	$-0.264628x_4$	$-1.416223x_5$	$+0.042553x_6$
x_{15}	8.0085106383	$-16.333936x_1$	$+1.220213x_{13}$	$-2.789362x_{14}$	$-6.082021x_4$	$-24.804787x_5$	$+2.740426x_6$
x_{16}	8.07446808511	$-4.653191x_1$	$-0.510638x_{13}$	$+0.468085x_{14}$	$+1.951064x_4$	$+7.189362x_5$	$+3.278723x_6$
x_{17}	6.27127659574	$+1.51016x_1$	$-0.299468x_{13}$	$-0.873404x_{14}$	$+7.899947x_4$	$-2.936968x_5$	$+7.851064x_6$
x_{18}	7.39840425532	$+2.896676x_1$	$+0.655585x_{13}$	$+0.529255x_{14}$	$+0.759441x_4$	$+3.661835x_5$	$-4.76383x_6$
x_{19}	5.92553191489	$+6.708191x_1$	$-0.639362x_{13}$	$+0.431915x_{14}$	$+9.543936x_4$	$-1.864362x_5$	$+3.621277x_6$
x_{20}	0.740957446809	$-2.083005x_1$	$+0.056649x_{13}$	$+0.782447x_{14}$	$-4.740665x_4$	$+7.587899x_5$	$-8.061702x_6$
x_{21}	4.60585106383	$-9.731144x_1$	$+0.229521x_{13}$	$-1.073936x_{14}$	$+4.592048x_4$	$-12.476729x_5$	$-2.665957x_6$
x_{22}	2.5170212766	$+6.212128x_1$	$+1.040426x_{13}$	$-0.178723x_{14}$	$-7.744043x_4$	$-7.709574x_5$	$+0.980851x_6$
x_{23}	8.1664893617	$+8.530186x_1$	$-0.232713x_{13}$	$+0.114362x_{14}$	$+7.248271x_4$	$+8.398537x_5$	$-2.440426x_6$
x_{24}	7.50265957447	$+5.637207x_1$	$-1.209309x_{13}$	$+2.484574x_{14}$	$+1.085931x_4$	$+20.871941x_5$	$-2.093617x_6$
x_{25}	1.16808510638	$-15.096489x_1$	$+1.011702x_{13}$	$-1.814894x_{14}$	$-0.38117x_4$	$-11.913298x_5$	$+1.223404x_6$
x_{26}	7.7335106383	$-11.905186x_1$	$+0.982713x_{13}$	$-1.614362x_{14}$	$-3.723271x_4$	$-7.523537x_5$	$+1.340426x_6$
x_{27}	8.25957446809	$-9.907553x_1$	$+0.641489x_{13}$	$-1.125532x_{14}$	$+5.695851x_4$	$-7.783511x_5$	$+3.782979x_6$
x_{28}	9.37606382979	$+1.275133x_1$	$+0.583777x_{13}$	$+0.43883x_{14}$	$-4.683378x_4$	$+3.002527x_5$	$-1.457447x_6$
x_{29}	2.02446808511	$+16.759309x_1$	$-1.135638x_{13}$	$+1.718085x_{14}$	$+5.663564x_4$	$+7.276862x_5$	$+2.978723x_6$
x_{30}	8.76542553191	$+6.776303x_1$	$-1.078989x_{13}$	$+1.500532x_{14}$	$+0.422899x_4$	$+19.164761x_5$	$-0.682979x_6$
x_{31}	9.18563829787	$-4.71992x_1$	$+0.600266x_{13}$	$+0.563298x_{14}$	$+3.424973x_4$	$+12.506516x_5$	$-9.974468x_6$
z	0.633510638298	$-7.385186x_1$	$+0.382713x_{13}$	$-1.014362x_{14}$	$+4.856729x_4$	$-10.623537x_5$	$-0.159574x_6$

x_4 enters and x_{20} leaves

x_2	0.184937923915	$-1.126329x_1$	$+0.019523x_{13}$	$-0.152876x_{14}$	$-0.062946x_{20}$	$-1.131417x_5$	$+0.024466x_6$
x_3	0.0597029997363	$-0.839842x_1$	$+0.143114x_{13}$	$-0.229847x_{14}$	$+0.055821x_{20}$	$-1.839786x_5$	$+0.492564x_6$
x_{15}	7.05790158711	$-13.661551x_1$	$+1.147535x_{13}$	$-3.793199x_{14}$	$+1.282947x_{20}$	$-34.539659x_5$	$+13.083161x_6$
x_{16}	8.3794158733	$-5.510471x_1$	$-0.487324x_{13}$	$+0.790108x_{14}$	$-0.411559x_{20}$	$+10.312231x_5$	$-0.039144x_6$
x_{17}	7.50602415722	$-1.961006x_1$	$-0.205067x_{13}$	$+0.430482x_{14}$	$-1.666422x_{20}$	$+9.707671x_5$	$-5.583131x_6$
x_{18}	7.51710360226	$+2.562984x_1$	$+0.66466x_{13}$	$+0.654601x_{14}$	$-0.160197x_{20}$	$+4.877396x_5$	$-6.055292x_6$
x_{19}	7.41723207423	$+2.514672x_1$	$-0.525316x_{13}$	$+2.007142x_{14}$	$-2.013206x_{20}$	$+13.411644x_5$	$-12.608592x_6$
x_4	0.156298212052	$-0.439391x_1$	$+0.01195x_{13}$	$+0.16505x_{14}$	$-0.210941x_{20}$	$+1.600598x_5$	$-1.700542x_6$
x_{21}	5.32357993593	$-11.748848x_1$	$+0.284394x_{13}$	$-0.316019x_{14}$	$-0.968651x_{20}$	$-5.126706x_5$	$-10.47493x_6$
x_{22}	1.30664127148	$+9.61479x_1$	$+0.947888x_{13}$	$-1.456878x_{14}$	$+1.633535x_{20}$	$-20.104674x_5$	$+14.149925x_6$
x_{23}	9.2993812027	$+5.345361x_1$	$-0.146099x_{13}$	$+1.310689x_{14}$	$-1.528957x_{20}$	$+20.000106x_5$	$-14.766419x_6$
x_{24}	7.6723886249	$+5.160059x_1$	$-1.196332x_{13}$	$+2.663807x_{14}$	$-0.229067x_{20}$	$+22.61008x_5$	$-3.940289x_6$
x_{25}	1.10850888364	$-14.929007x_1$	$+1.007147x_{13}$	$-1.877806x_{14}$	$+0.080404x_{20}$	$-12.523398x_5$	$+1.8716x_6$
x_{26}	7.15156999478	$-10.269214x_1$	$+0.938221x_{13}$	$-2.228888x_{14}$	$+0.78539x_{20}$	$-13.482998x_5$	$+7.672007x_6$
x_{27}	9.14982580547	$-12.410259x_1$	$+0.709552x_{13}$	$-0.185432x_{14}$	$-1.201488x_{20}$	$+1.333257x_5$	$-5.903058x_6$
x_{28}	8.64406027523	$+3.332967x_1$	$+0.527812x_{13}$	$-0.334162x_{14}$	$+0.987916x_{20}$	$-4.493679x_5$	$+6.506836x_6$
x_{29}	2.90967298554	$+14.27079x_1$	$-1.067961x_{13}$	$+2.652856x_{14}$	$-1.194677x_{20}$	$+16.341951x_5$	$-6.652408x_6$
x_{30}	8.83152387952	$+6.590485x_1$	$-1.073936x_{13}$	$+1.570331x_{14}$	$-0.089207x_{20}$	$+19.841652x_5$	$-1.402136x_6$
x_{31}	9.72095551728	$-6.224823x_1$	$+0.641193x_{13}$	$+1.12859x_{14}$	$-0.722467x_{20}$	$+17.988522x_5$	$-15.798781x_6$
z	1.39260865419	$-9.519189x_1$	$+0.440749x_{13}$	$-0.212759x_{14}$	$-1.024483x_{20}$	$-2.849867x_5$	$-8.418648x_6$

x_{10} enters and x_{30} leaves

		x_1	x_{13}	x_{14}	x_{20}	x_5	x_6
x_2	0.487507878785	$-0.900537x_1$	$-0.01727x_{13}$	$-0.099076x_{14}$	$-0.066002x_{20}$	$-0.451638x_5$	$-0.023572x_6$
x_3	0.612054675522	$-0.427652x_1$	$+0.075947x_{13}$	$-0.131633x_{14}$	$+0.050242x_{20}$	$-0.598826x_5$	$+0.40487x_6$
x_{15}	6.22063033503	$-14.286361x_1$	$+1.24935x_{13}$	$-3.942074x_{14}$	$+1.291404x_{20}$	$-36.420743x_5$	$+13.216091x_6$
x_{16}	9.67756108105	$-4.541736x_1$	$-0.645182x_{13}$	$+1.020931x_{14}$	$-0.424672x_{20}$	$+13.228754x_5$	$-0.245244x_6$
x_{17}	14.6938088375	$+3.402847x_1$	$-1.07912x_{13}$	$+1.708541x_{14}$	$-1.739025x_{20}$	$+25.856359x_5$	$-6.7243x_6$
x_{18}	12.1691096901	$+6.034523x_1$	$+0.098964x_{13}$	$+1.481773x_{14}$	$-0.207187x_{20}$	$+15.328988x_5$	$-6.793868x_6$
x_{19}	8.80235104617	$+3.548311x_1$	$-0.69375x_{13}$	$+2.253429x_{14}$	$-2.027197x_{20}$	$+16.52357x_5$	$-12.828501x_6$
x_4	0.712688365812	$-0.024187x_1$	$-0.055709x_{13}$	$+0.263982x_{14}$	$-0.216561x_{20}$	$+2.850631x_5$	$-1.788878x_6$
x_{21}	5.03975019124	$-11.960655x_1$	$+0.318909x_{13}$	$-0.366486x_{14}$	$-0.965784x_{20}$	$-5.764382x_5$	$-10.429868x_6$
x_{22}	1.59451104264	$+9.829612x_1$	$+0.912882x_{13}$	$-1.405692x_{14}$	$+1.630627x_{20}$	$-19.457921x_5$	$+14.104221x_6$
x_{23}	11.7274535256	$+7.157299x_1$	$-0.441359x_{13}$	$+1.742424x_{14}$	$-1.553482x_{20}$	$+25.45522x_5$	$-15.151912x_6$
x_{24}	5.21594785242	$+3.326951x_1$	$-0.897623x_{13}$	$+2.227028x_{14}$	$-0.204255x_{20}$	$+17.091232x_5$	$-3.550292x_6$
x_{25}	2.48705603789	$-13.900272x_1$	$+0.839512x_{13}$	$-1.632687x_{14}$	$+0.06648x_{20}$	$-9.426237x_5$	$+1.652735x_6$
x_{26}	12.2189316841	$-6.487718x_1$	$+0.322017x_{13}$	$-1.327861x_{14}$	$+0.734205x_{20}$	$-2.098233x_5$	$+6.867487x_6$
x_{27}	13.833222388	$-8.915295x_1$	$+0.140039x_{13}$	$+0.647322x_{14}$	$-1.248795x_{20}$	$+11.855374x_5$	$-6.646617x_6$
x_{28}	4.51936915789	$+0.254934x_1$	$+1.029385x_{13}$	$-1.067572x_{14}$	$+1.029579x_{20}$	$-13.76056x_5$	$+7.161692x_6$
x_{29}	1.58801293457	$+13.284507x_1$	$-0.907244x_{13}$	$+2.417852x_{14}$	$-1.181327x_{20}$	$+13.372597x_5$	$-6.442574x_6$
x_{10}	0.55203578257	$+0.411954x_1$	$-0.067129x_{13}$	$+0.098157x_{14}$	$-0.005576x_{20}$	$+1.24025x_5$	$-0.087644x_6$
x_{31}	10.3039667976	$-5.789753x_1$	$+0.570297x_{13}$	$+1.232255x_{14}$	$-0.728356x_{20}$	$+19.298364x_5$	$-15.891343x_6$
z	3.83651837637	$-7.695432x_1$	$+0.143563x_{13}$	$+0.221793x_{14}$	$-1.049168x_{20}$	$+2.640828x_5$	$-8.806655x_6$

x_5 enters and x_{22} leaves

		x_1	x_{13}	x_{14}	x_{20}	x_{22}	x_6
x_2	0.450497673628	$-1.128693x_1$	$-0.038459x_{13}$	$-0.066449x_{14}$	$-0.10385x_{20}$	$+0.023211x_{22}$	$-0.350945x_6$
x_3	0.562982926693	$-0.730162x_1$	$+0.047853x_{13}$	$-0.088373x_{14}$	$+0.000058x_{20}$	$+0.030775x_{22}$	$-0.029194x_6$
x_{15}	3.23607319647	$-32.685128x_1$	$-0.459355x_{13}$	$-1.310944x_{14}$	$-1.760754x_{20}$	$+1.87177x_{22}$	$-13.18376x_6$
x_{16}	10.7616128734	$+2.14107x_1$	$-0.024546x_{13}$	$+0.065251x_{14}$	$+0.683934x_{20}$	$-0.679865x_{22}$	$+9.343719x_6$
x_{17}	16.8126502962	$+16.464774x_1$	$+0.133949x_{13}$	$-0.159391x_{14}$	$+0.427809x_{20}$	$-1.328835x_{22}$	$+12.017877x_6$
x_{18}	13.4252685632	$+13.778309x_1$	$+0.818134x_{13}$	$+0.374367x_{14}$	$+1.077424x_{20}$	$-0.787802x_{22}$	$+4.317465x_6$
x_{19}	10.1564018888	$+11.895568x_1$	$+0.081465x_{13}$	$+1.059723x_{14}$	$-0.642477x_{20}$	$-0.849195x_{22}$	$-0.851267x_6$
x_4	0.946288001887	$+1.415874x_1$	$+0.07803x_{13}$	$+0.058044x_{14}$	$+0.02233x_{20}$	$-0.146502x_{22}$	$+0.277424x_6$
x_{21}	4.56737852481	$-14.872663x_1$	$+0.048469x_{13}$	$+0.049948x_{14}$	$-1.448855x_{20}$	$+0.296249x_{22}$	$-14.608224x_6$
x_5	0.0819466289976	$+0.505173x_1$	$+0.046916x_{13}$	$-0.072243x_{14}$	$+0.083803x_{20}$	$-0.051393x_{22}$	$+0.724858x_6$
x_{23}	13.8134229617	$+20.016583x_1$	$+0.75289x_{13}$	$-0.096528x_{14}$	$+0.579735x_{20}$	$-1.308219x_{22}$	$+3.299496x_6$
x_{24}	6.61651667975	$+11.960976x_1$	$-0.095776x_{13}$	$+0.992312x_{14}$	$+1.228037x_{20}$	$-0.878369x_{22}$	$+8.838416x_6$
x_{25}	1.71460769047	$-18.66215x_1$	$+0.397274x_{13}$	$-0.95171x_{14}$	$-0.723465x_{20}$	$+0.484442x_{22}$	$-5.179944x_6$
x_{26}	12.0469885906	$-7.547688x_1$	$+0.223577x_{13}$	$-1.176279x_{14}$	$+0.558367x_{20}$	$+0.107834x_{22}$	$+5.346567x_6$
x_{27}	14.8047303277	$-2.926283x_1$	$+0.696242x_{13}$	$-0.209141x_{14}$	$-0.255282x_{20}$	$-0.609283x_{22}$	$+1.94684x_6$
x_{28}	3.3917376535	$-6.696525x_1$	$+0.383799x_{13}$	$-0.073473x_{14}$	$-0.123594x_{20}$	$+0.707196x_{22}$	$-2.812753x_6$
x_{29}	2.68385218882	$+20.039978x_1$	$-0.279859x_{13}$	$+1.451781x_{14}$	$-0.060667x_{20}$	$-0.687257x_{22}$	$+3.250654x_6$
x_{10}	0.653670129204	$+1.038495x_1$	$-0.008942x_{13}$	$+0.008558x_{14}$	$+0.09836x_{20}$	$-0.06374x_{22}$	$+0.811361x_6$
x_{31}	11.885402701	$+3.959255x_1$	$+1.475693x_{13}$	$-0.16191x_{14}$	$+0.8889x_{20}$	$-0.9918x_{22}$	$-1.902778x_6$
z	4.05292536556	$-6.361358x_1$	$+0.267459x_{13}$	$+0.031012x_{14}$	$-0.82786x_{20}$	$-0.13572x_{22}$	$-6.892431x_6$

x_{11} enters and x_{25} leaves

x_2	0.23957986292	$+1.166981x_1$	$-0.087329x_{13}$	$+0.050623x_{14}$	$-0.014855x_{20}$	$-0.036381x_{22}$	$+0.286252x_6$
x_3	0.468971505772	$+0.293078x_1$	$+0.02607x_{13}$	$-0.036191x_{14}$	$+0.039726x_{20}$	$+0.004214x_{22}$	$+0.254821x_6$
x_{15}	1.45221706491	$-13.269263x_1$	$-0.872674x_{13}$	$-0.320796x_{14}$	$-1.008071x_{20}$	$+1.367762x_{22}$	$-7.794612x_6$
x_{16}	10.7779448268	$+1.963309x_1$	$-0.020761x_{13}$	$+0.056186x_{14}$	$+0.677043x_{20}$	$-0.67525x_{22}$	$+9.294379x_6$
x_{17}	17.9617344965	$+3.957901x_1$	$+0.400191x_{13}$	$-0.797202x_{14}$	$-0.057038x_{20}$	$-1.004174x_{22}$	$+8.546418x_6$
x_{18}	16.7630228856	$-22.550509x_1$	$+1.591491x_{13}$	$-1.478287x_{14}$	$-0.330914x_{20}$	$+0.155241x_{22}$	$-5.766113x_6$
x_{19}	10.4284180209	$+8.934888x_1$	$+0.144491x_{13}$	$+0.908738x_{14}$	$-0.757252x_{20}$	$-0.77234x_{22}$	$-1.673045x_6$
x_4	1.08000082475	$-0.039484x_1$	$+0.109012x_{13}$	$-0.016174x_{14}$	$-0.034089x_{20}$	$-0.108723x_{22}$	$-0.126531x_6$
x_{21}	3.28676652538	$-0.934213x_1$	$-0.248249x_{13}$	$+0.760764x_{14}$	$-0.908511x_{20}$	$-0.065573x_{22}$	$-10.73941x_6$
x_5	0.0344219120165	$+1.022442x_1$	$+0.035904x_{13}$	$-0.045864x_{14}$	$+0.103855x_{20}$	$-0.06482x_{22}$	$+0.868433x_6$
x_{23}	13.8600534889	$+19.509046x_1$	$+0.763695x_{13}$	$-0.122411x_{14}$	$+0.56006x_{20}$	$-1.295044x_{22}$	$+3.158622x_6$
x_{24}	7.82368924773	$-1.178144x_1$	$+0.183926x_{13}$	$+0.322259x_{14}$	$+0.718681x_{20}$	$-0.537297x_{22}$	$+5.191468x_6$
x_{11}	0.228084707138	$-2.482522x_1$	$+0.052847x_{13}$	$-0.126601x_{14}$	$-0.096238x_{20}$	$+0.064443x_{22}$	$-0.689059x_6$
x_{26}	10.404773354	$+10.326527x_1$	$-0.156924x_{13}$	$-0.264751x_{14}$	$+1.251287x_{20}$	$-0.356154x_{22}$	$+10.307809x_6$
x_{27}	14.6466720709	$-1.205944x_1$	$+0.65962x_{13}$	$-0.12141x_{14}$	$-0.18859x_{20}$	$-0.65394x_{22}$	$+2.424345x_6$
x_{28}	3.78662622346	$-10.994576x_1$	$+0.475295x_{13}$	$-0.29266x_{14}$	$-0.290214x_{20}$	$+0.818767x_{22}$	$-4.005738x_6$
x_{29}	5.81084687779	$-13.994888x_1$	$+0.444664x_{13}$	$-0.283889x_{14}$	$-1.380077x_{20}$	$+0.196238x_{22}$	$-6.196205x_6$
x_{10}	0.74456811641	$+0.049142x_1$	$+0.012119x_{13}$	$-0.041895x_{14}$	$+0.060007x_{20}$	$-0.038058x_{22}$	$+0.536752x_6$
x_{31}	14.0890590778	$-20.025804x_1$	$+1.98628x_{13}$	$-1.385072x_{14}$	$-0.040915x_{20}$	$-0.369183x_{22}$	$-8.56017x_6$
z	4.25719707059	$-8.584694x_1$	$+0.314789x_{13}$	$-0.082371x_{14}$	$-0.91405x_{20}$	$-0.078005x_{22}$	$-7.509549x_6$

x_{12} enters and x_{28} leaves

x_2	0.371318944779	$+0.784473x_1$	$-0.070793x_{13}$	$+0.040442x_{14}$	$-0.024952x_{20}$	$-0.007896x_{22}$	$+0.14689x_6$
x_3	0.582416556566	$-0.036313x_1$	$+0.04031x_{13}$	$-0.044959x_{14}$	$+0.031031x_{20}$	$+0.028743x_{22}$	$+0.134812x_6$
x_{15}	1.20034830947	$-12.537955x_1$	$-0.904288x_{13}$	$-0.30133x_{14}$	$-0.988767x_{20}$	$+1.313301x_{22}$	$-7.528169x_6$
x_{16}	10.1430294599	$+3.806804x_1$	$-0.100456x_{13}$	$+0.105257x_{14}$	$+0.725704x_{20}$	$-0.812535x_{22}$	$+9.966033x_6$
x_{17}	22.8480766826	$-10.229731x_1$	$+1.013521x_{13}$	$-1.174856x_{14}$	$-0.431536x_{20}$	$+0.05238x_{22}$	$+3.377329x_6$
x_{18}	23.10791874	$-40.973092x_1$	$+2.387898x_{13}$	$-1.96867x_{14}$	$-0.817198x_{20}$	$+1.527172x_{22}$	$-12.478154x_6$
x_{19}	10.3205997335	$+9.247941x_1$	$+0.130958x_{13}$	$+0.917071x_{14}$	$-0.748988x_{20}$	$-0.795653x_{22}$	$-1.558988x_6$
x_4	1.57576180969	$-1.47894x_1$	$+0.171239x_{13}$	$-0.05449x_{14}$	$-0.072085x_{20}$	$-0.001527x_{22}$	$-0.650979x_6$
x_{21}	1.5017373811	$+4.248669x_1$	$-0.472304x_{13}$	$+0.898725x_{14}$	$-0.771703x_{20}$	$-0.451543x_{22}$	$-8.851091x_6$
x_5	0.0473648944762	$+0.984861x_1$	$+0.037529x_{13}$	$-0.046864x_{14}$	$+0.102863x_{20}$	$-0.062022x_{22}$	$+0.854741x_6$
x_{23}	12.9325107458	$+22.202193x_1$	$+0.64727x_{13}$	$-0.050723x_{14}$	$+0.631148x_{20}$	$-1.495603x_{22}$	$+4.139837x_6$
x_{24}	2.91133731825	$+13.085008x_1$	$-0.432669x_{13}$	$+0.701924x_{14}$	$+1.095172x_{20}$	$-1.599475x_{22}$	$+10.388071x_6$
x_{11}	0.653181147524	$-3.716801x_1$	$+0.106205x_{13}$	$-0.159455x_{14}$	$-0.128819x_{20}$	$+0.15636x_{22}$	$-1.138754x_6$
x_{26}	9.25812345374	$+13.655857x_1$	$-0.30085x_{13}$	$-0.176129x_{14}$	$+1.339168x_{20}$	$-0.60409x_{22}$	$+11.520809x_6$
x_{27}	15.0303955414	$-2.320096x_1$	$+0.707785x_{13}$	$-0.151067x_{14}$	$-0.217999x_{20}$	$-0.570969x_{22}$	$+2.018417x_6$
x_{12}	0.447027072618	$-1.297956x_1$	$+0.056111x_{13}$	$-0.03455x_{14}$	$-0.034261x_{20}$	$+0.096659x_{22}$	$-0.472894x_6$
x_{29}	8.9791221561	$-23.194064x_1$	$+0.842344x_{13}$	$-0.528758x_{14}$	$-1.622899x_{20}$	$+0.881302x_{22}$	$-9.547811x_6$
x_{10}	0.983968362648	$-0.645963x_1$	$+0.042169x_{13}$	$-0.060398x_{14}$	$+0.041659x_{20}$	$+0.013707x_{22}$	$+0.283499x_6$
x_{31}	20.4236958342	$-38.418599x_1$	$+2.781399x_{13}$	$-1.874662x_{14}$	$-0.526413x_{20}$	$+1.00053x_{22}$	$-15.261358x_6$
z	5.56414617269	$-12.379457x_1$	$+0.478836x_{13}$	$-0.183382x_{14}$	$-1.014217x_{20}$	$+0.204591x_{22}$	$-8.892124x_6$

x_{13} enters and x_{15} leaves

x_2	0.277348966486	$+1.766014x_1$	$+0.078286x_{15}$	$+0.064031x_{14}$	$+0.052454x_{20}$	$-0.110709x_{22}$	$+0.736237x_6$
x_3	0.63592366803	$-0.595209x_1$	$-0.044576x_{15}$	$-0.058391x_{14}$	$-0.013045x_{20}$	$+0.087286x_{22}$	$-0.200767x_6$
x_{13}	1.3273959582	$-13.865002x_1$	$-1.105842x_{15}$	$-0.333223x_{14}$	$-1.09342x_{20}$	$+1.452304x_{22}$	$-8.324968x_6$
x_{16}	10.0096851372	$+5.199621x_1$	$+0.111088x_{15}$	$+0.138731x_{14}$	$+0.835545x_{20}$	$-0.958428x_{22}$	$+10.802323x_6$
x_{17}	24.1934209222	$-24.282207x_1$	$-1.120795x_{15}$	$-1.512585x_{14}$	$-1.539741x_{20}$	$+1.524321x_{22}$	$-5.060205x_6$
x_{18}	26.2776043746	$-74.081297x_1$	$-2.640638x_{15}$	$-2.764374x_{14}$	$-3.428174x_{20}$	$+4.995126x_{22}$	$-32.357325x_6$
x_{19}	10.4944325059	$+7.432212x_1$	$-0.144819x_{15}$	$+0.873433x_{14}$	$-0.89218x_{20}$	$-0.605463x_{22}$	$-2.649207x_6$
x_4	1.80306406925	$-3.853173x_1$	$-0.189364x_{15}$	$-0.111551x_{14}$	$-0.259322x_{20}$	$+0.247164x_{22}$	$-2.076541x_6$
x_{21}	0.874802734655	$+10.797167x_1$	$+0.522294x_{15}$	$+1.056108x_{14}$	$-0.255276x_{20}$	$-1.137472x_{22}$	$-4.919173x_6$
x_5	0.0971805029106	$+0.464524x_1$	$-0.041501x_{15}$	$-0.059369x_{14}$	$+0.061829x_{20}$	$-0.007519x_{22}$	$+0.542315x_6$
x_{23}	13.7916945726	$+13.22779x_1$	$-0.715779x_{15}$	$-0.266409x_{14}$	$-0.07659x_{20}$	$-0.555569x_{22}$	$-1.248667x_6$
x_{24}	2.33701415788	$+19.083965x_1$	$+0.478464x_{15}$	$+0.846099x_{14}$	$+1.568261x_{20}$	$-2.227842x_{22}$	$+13.990028x_6$
x_{11}	0.794157166028	$-5.189333x_1$	$-0.117446x_{15}$	$-0.194845x_{14}$	$-0.244945x_{20}$	$+0.310601x_{22}$	$-2.022906x_6$
x_{26}	8.85877596441	$+17.827147x_1$	$+0.332693x_{15}$	$-0.075879x_{14}$	$+1.668124x_{20}$	$-1.041016x_{22}$	$+14.025378x_6$
x_{27}	15.9699065811	$-12.133537x_1$	$-0.782699x_{15}$	$-0.386917x_{14}$	$-0.991906x_{20}$	$+0.45695x_{22}$	$-3.873871x_6$
x_{12}	0.521507943339	$-2.075928x_1$	$-0.062049x_{15}$	$-0.053247x_{14}$	$-0.095613x_{20}$	$+0.178148x_{22}$	$-0.940012x_6$
x_{29}	10.097246179	$-34.873165x_1$	$-0.9315x_{15}$	$-0.809447x_{14}$	$-2.543935x_{20}$	$+2.104641x_{22}$	$-16.560298x_6$
x_{10}	1.03994282299	$-1.230631x_1$	$-0.046632x_{15}$	$-0.07445x_{14}$	$-0.004449x_{20}$	$+0.074948x_{22}$	$-0.067553x_6$
x_{31}	24.115713401	$-76.982699x_1$	$-3.075789x_{15}$	$-2.801489x_{14}$	$-3.567651x_{20}$	$+5.039968x_{22}$	$-38.416415x_6$
z	6.19975143951	$-19.018522x_1$	$-0.529517x_{15}$	$-0.342942x_{14}$	$-1.537787x_{20}$	$+0.900007x_{22}$	$-12.878421x_6$

x_{22} enters and x_{21} leaves

x_2	0.192205699807	$+0.715142x_1$	$+0.027451x_{15}$	$-0.038758x_{14}$	$+0.0773x_{20}$	$+0.097329x_{21}$	$+1.215013x_6$
x_3	0.703052876017	$+0.233326x_1$	$-0.004497x_{15}$	$+0.022651x_{14}$	$-0.032634x_{20}$	$-0.076736x_{21}$	$-0.578246x_6$
x_{13}	2.4443285552	$-0.079371x_1$	$-0.438987x_{15}$	$+1.015197x_{14}$	$-1.419352x_{20}$	$-1.276782x_{21}$	$-14.605681x_6$
x_{16}	9.27258137731	$-3.89801x_1$	$-0.328994x_{15}$	$-0.75114x_{14}$	$+1.050639x_{20}$	$+0.842594x_{21}$	$+14.94719x_6$
x_{17}	25.3657399284	$-9.812975x_1$	$-0.420871x_{15}$	$-0.0973x_{14}$	$-1.881835x_{20}$	$-1.340095x_{21}$	$-11.652365x_6$
x_{18}	30.119236829	$-26.666325x_1$	$-0.347022x_{15}$	$+1.873449x_{14}$	$-4.5492x_{20}$	$-4.391427x_{21}$	$-53.959516x_6$
x_{19}	10.0287855959	$+1.68501x_1$	$-0.422829x_{15}$	$+0.311279x_{14}$	$-0.7563x_{20}$	$+0.532288x_{21}$	$-0.030791x_6$
x_4	1.99315237394	$-1.507026x_1$	$-0.075873x_{15}$	$+0.117933x_{14}$	$-0.314791x_{20}$	$-0.217293x_{21}$	$-3.145441x_6$
x_{22}	0.769076128287	$+9.492247x_1$	$+0.459171x_{15}$	$+0.928469x_{14}$	$-0.224424x_{20}$	$-0.879142x_{21}$	$-4.324654x_6$
x_5	0.0913981139181	$+0.393156x_1$	$-0.044953x_{15}$	$-0.06635x_{14}$	$+0.063516x_{20}$	$+0.00661x_{21}$	$+0.57483x_6$
x_{23}	13.3644193394	$+7.954188x_1$	$-0.97088x_{15}$	$-0.782238x_{14}$	$+0.048093x_{20}$	$+0.488425x_{21}$	$+1.153979x_6$
x_{24}	0.623634311159	$-2.063257x_1$	$-0.544496x_{15}$	$-1.222384x_{14}$	$+2.068242x_{20}$	$+1.95859x_{21}$	$+23.624671x_6$
x_{11}	1.03303331264	$-2.241028x_1$	$+0.025173x_{15}$	$+0.093538x_{14}$	$-0.314652x_{20}$	$-0.273063x_{21}$	$-3.36615x_6$
x_{26}	8.05815553864	$+7.945568x_1$	$-0.145311x_{15}$	$-1.04243x_{14}$	$+1.901753x_{20}$	$+0.915201x_{21}$	$+18.527411x_6$
x_{27}	16.3213360276	$-7.796053x_1$	$-0.572881x_{15}$	$+0.037347x_{14}$	$-1.094457x_{20}$	$-0.401724x_{21}$	$-5.850022x_6$
x_{12}	0.658517627085	$-0.384899x_1$	$+0.019751x_{15}$	$+0.112158x_{14}$	$-0.135594x_{20}$	$-0.156618x_{21}$	$-1.710443x_6$
x_{29}	11.7158756215	$-14.89539x_1$	$+0.03489x_{15}$	$+1.144648x_{14}$	$-3.016267x_{20}$	$-1.850279x_{21}$	$-25.662143x_6$
x_{10}	1.0975837267	$-0.519204x_1$	$-0.012218x_{15}$	$-0.004863x_{14}$	$-0.02127x_{20}$	$-0.06589x_{21}$	$-0.391679x_6$
x_{31}	27.9918322252	$-29.142083x_1$	$-0.761583x_{15}$	$+1.877967x_{14}$	$-4.69874x_{20}$	$-4.430849x_{21}$	$-60.212529x_6$
z	6.89192521296	$-10.475435x_1$	$-0.116261x_{15}$	$+0.492687x_{14}$	$-1.73977x_{20}$	$-0.791234x_{21}$	$-16.770639x_6$

x_8 enters and x_2 leaves

		x_1	x_{15}	x_{14}	x_{20}	x_{21}	x_6
x_8	0.349657745484	$+1.300975x_1$	$+0.049939x_{15}$	$-0.070508x_{14}$	$+0.140623x_{20}$	$+0.177059x_{21}$	$+2.210333x_6$
x_3	0.996122941926	$+1.323755x_1$	$+0.03736x_{15}$	$-0.036446x_{14}$	$+0.085231x_{20}$	$+0.071668x_{21}$	$+1.274373x_6$
x_{13}	5.93631127127	$+12.913288x_1$	$+0.05975x_{15}$	$+0.311043x_{14}$	$-0.014974x_{20}$	$+0.491477x_{21}$	$+7.468605x_6$
x_{16}	9.89794088987	$-1.571228x_1$	$-0.239678x_{15}$	$-0.877243x_{14}$	$+1.302141x_{20}$	$+1.159262x_{21}$	$+18.90035x_6$
x_{17}	23.2558106535	$-17.663412x_1$	$-0.722219x_{15}$	$+0.328165x_{14}$	$-2.73039x_{20}$	$-2.408515x_{21}$	$-24.990113x_6$
x_{18}	35.9712293716	$-4.892752x_1$	$+0.48878x_{15}$	$+0.693401x_{14}$	$-2.195691x_{20}$	$-1.428113x_{21}$	$-16.966618x_6$
x_{19}	4.88951981882	$-17.436712x_1$	$-1.156837x_{15}$	$+1.347606x_{14}$	$-2.82317x_{20}$	$-2.070118x_{21}$	$-32.518244x_6$
x_4	1.8860594536	$-1.905488x_1$	$-0.091168x_{15}$	$+0.139528x_{14}$	$-0.357861x_{20}$	$-0.271522x_{21}$	$-3.822421x_6$
x_{22}	4.14826566002	$+22.065234x_1$	$+0.941798x_{15}$	$+0.24706x_{14}$	$+1.134592x_{20}$	$+0.832001x_{21}$	$+17.03662x_6$
x_5	0.0076419971809	$+0.081523x_1$	$-0.056916x_{15}$	$-0.049461x_{14}$	$+0.029832x_{20}$	$-0.035802x_{21}$	$+0.045373x_6$
x_{23}	11.5381715828	$+1.159248x_1$	$-1.231711x_{15}$	$-0.413978x_{14}$	$-0.686373x_{20}$	$-0.436345x_{21}$	$-10.390499x_6$
x_{24}	0.817492872056	$-1.341966x_1$	$-0.516808x_{15}$	$-1.261475x_{14}$	$+2.146207x_{20}$	$+2.056755x_{21}$	$+24.850132x_6$
x_{11}	1.26557926054	$-1.375791x_1$	$+0.058386x_{15}$	$+0.046646x_{14}$	$-0.221128x_{20}$	$-0.155307x_{21}$	$-1.896129x_6$
x_{26}	7.5499588909	$+6.054715x_1$	$-0.217893x_{15}$	$-0.939953x_{14}$	$+1.69737x_{20}$	$+0.657862x_{21}$	$+15.314887x_6$
x_{27}	15.3671676456	$-11.346238x_1$	$-0.709158x_{15}$	$+0.229754x_{14}$	$-1.478197x_{20}$	$-0.884893x_{21}$	$-11.881721x_6$
x_{12}	0.779028644739	$+0.063487x_1$	$+0.036963x_{15}$	$+0.087857x_{14}$	$-0.087128x_{20}$	$-0.095594x_{21}$	$-0.948642x_6$
x_{29}	10.9228836091	$-17.845884x_1$	$-0.078368x_{15}$	$+1.304554x_{14}$	$-3.335186x_{20}$	$-2.251832x_{21}$	$-30.674978x_6$
x_{10}	1.24481909734	$+0.028616x_1$	$+0.008811x_{15}$	$-0.034552x_{14}$	$+0.037944x_{20}$	$+0.008666x_{21}$	$+0.539058x_6$
x_{31}	28.233255073	$-28.243818x_1$	$-0.727102x_{15}$	$+1.829285x_{14}$	$-4.601647x_{20}$	$-4.308598x_{21}$	$-58.686394x_6$
z	7.50756330831	$-8.184824x_1$	$-0.028333x_{15}$	$+0.368545x_{14}$	$-1.492177x_{20}$	$-0.479489x_{21}$	$-12.878932x_6$

x_{14} enters and x_5 leaves

		x_1	x_{15}	x_5	x_{20}	x_{21}	x_6
x_8	0.338763833703	$+1.184761x_1$	$+0.131074x_{15}$	$+1.425532x_5$	$+0.098097x_{20}$	$+0.228096x_{21}$	$+2.145653x_6$
x_3	0.990491801601	$+1.263684x_1$	$+0.079299x_{15}$	$+0.736868x_5$	$+0.063249x_{20}$	$+0.098049x_{21}$	$+1.240939x_6$
x_{13}	5.98436921569	$+13.425961x_1$	$-0.298173x_{15}$	$-6.288663x_5$	$+0.172627x_{20}$	$+0.266329x_{21}$	$+7.753938x_6$
x_{16}	9.76240172573	$-3.017134x_1$	$+0.769783x_{15}$	$+17.736092x_5$	$+0.773044x_{20}$	$+1.794254x_{21}$	$+18.095617x_6$
x_{17}	23.3065140567	$-17.122518x_1$	$-1.099845x_{15}$	$-6.634837x_5$	$-2.532462x_{20}$	$-2.646057x_{21}$	$-24.689073x_6$
x_{18}	36.0783639921	$-3.749861x_1$	$-0.309132x_{15}$	$-14.019191x_5$	$-1.777476x_{20}$	$-1.930031x_{21}$	$-16.330531x_6$
x_{19}	5.09773285975	$-15.215536x_1$	$-2.707554x_{15}$	$-27.245893x_5$	$-2.01038x_{20}$	$-3.045582x_{21}$	$-31.282028x_6$
x_4	1.90761742888	$-1.675512x_1$	$-0.251727x_{15}$	$-2.820987x_5$	$-0.273706x_{20}$	$-0.37252x_{21}$	$-3.694425x_6$
x_{22}	4.18643788624	$+22.472448x_1$	$+0.657501x_{15}$	$-4.995059x_5$	$+1.283603x_{20}$	$+0.653167x_{21}$	$+17.263259x_6$
x_{14}	0.154505911139	$+1.648239x_1$	$-1.15072x_{15}$	$-20.218002x_5$	$+0.603136x_{20}$	$-0.72385x_{21}$	$+0.917343x_6$
x_{23}	11.4742095951	$+0.476913x_1$	$-0.755339x_{15}$	$+8.3698x_5$	$-0.936058x_{20}$	$-0.136688x_{21}$	$-10.770258x_6$
x_{24}	0.622587522331	$-3.421179x_1$	$+0.934797x_{15}$	$+25.504504x_5$	$+1.385366x_{20}$	$+2.969874x_{21}$	$+23.692927x_6$
x_{11}	1.27278632569	$-1.298908x_1$	$+0.00471x_{15}$	$-0.943087x_5$	$-0.192994x_{20}$	$-0.189072x_{21}$	$-1.853339x_6$
x_{26}	7.40473060575	$+4.505448x_1$	$+0.86373x_{15}$	$+19.00397x_5$	$+1.130451x_{20}$	$+1.338247x_{21}$	$+14.452628x_6$
x_{27}	15.4026659782	$-10.967549x_1$	$-0.973541x_{15}$	$-4.645164x_5$	$-1.339624x_{20}$	$-1.0512x_{21}$	$-11.670958x_6$
x_{12}	0.792603130757	$+0.208297x_1$	$-0.064136x_{15}$	$-1.776301x_5$	$-0.034138x_{20}$	$-0.159189x_{21}$	$-0.868047x_6$
x_{29}	11.1244449158	$-15.695667x_1$	$-1.579545x_{15}$	$-26.375475x_5$	$-2.548363x_{20}$	$-3.196133x_{21}$	$-29.478255x_6$
x_{10}	1.23948054489	$-0.028334x_1$	$+0.048571x_{15}$	$+0.698581x_5$	$+0.017105x_{20}$	$+0.033677x_{21}$	$+0.507362x_6$
x_{31}	28.5158903613	$-25.228719x_1$	$-2.832097x_{15}$	$-36.98448x_5$	$-3.498339x_{20}$	$-5.632725x_{21}$	$-57.008313x_6$
z	7.56450562547	$-7.577374x_1$	$-0.452425x_{15}$	$-7.451235x_5$	$-1.269895x_{20}$	$-0.74626x_{21}$	$-12.54085x_6$

x_2 enters and x_{24} leaves

		x_1	x_{15}	x_5	x_{20}	x_{21}	x_6
x_8	0.213430982382	$+1.873477x_1$	$-0.057109x_{15}$	$-3.70877x_5$	$-0.180791x_{20}$	$-0.369768x_{21}$	$-2.623961x_6$
x_3	0.895691580863	$+1.78462x_1$	$-0.06304x_{15}$	$-3.146655x_5$	$-0.147698x_{20}$	$-0.354168x_{21}$	$-2.366738x_6$
x_{13}	5.19204045954	$+17.779884x_1$	$-1.487831x_{15}$	$-38.746673x_5$	$-1.590442x_{20}$	$-3.513246x_{21}$	$-22.39859x_6$
x_{16}	9.19837203982	$+0.082264x_1$	$-0.077091x_{15}$	$-5.369571x_5$	$-0.48202x_{20}$	$-0.896287x_{21}$	$-3.368858x_6$
x_{17}	24.0187804251	$-21.03649x_1$	$-0.030398x_{15}$	$+22.543391x_5$	$-0.947545x_{20}$	$+0.751604x_{21}$	$+2.416634x_6$
x_{18}	34.8284418392	$+3.118582x_1$	$-2.185852x_{15}$	$-65.222667x_5$	$-4.55877x_{20}$	$-7.892423x_{21}$	$-63.89704x_6$
x_{19}	7.08072021315	$-26.112243x_1$	$+0.269842x_{15}$	$+53.987841x_5$	$+2.402112x_{20}$	$+6.413686x_{21}$	$+44.1817x_6$
x_4	1.99936635313	$-2.179681x_1$	$-0.113968x_{15}$	$+0.937538x_5$	$-0.069549x_{20}$	$+0.065142x_{21}$	$-0.202867x_6$
x_{22}	3.39529709759	$+26.819843x_1$	$-0.530373x_{15}$	$-37.404404x_5$	$-0.476823x_{20}$	$-3.120741x_{21}$	$-12.84406x_6$
x_{14}	0.606982506878	$-0.838163x_1$	$-0.47134x_{15}$	$-1.682148x_5$	$+1.609975x_{20}$	$+1.434559x_{21}$	$+18.136601x_6$
x_{23}	11.7748733297	$-1.175263x_1$	$-0.303901x_{15}$	$+20.68659x_5$	$-0.267029x_{20}$	$+1.297542x_{21}$	$+0.671674x_6$
x_2	0.0513579432279	$-0.282217x_1$	$+0.077112x_{15}$	$+2.103895x_5$	$+0.11428x_{20}$	$+0.244988x_{21}$	$+1.954456x_6$
x_{11}	1.23175551818	$-1.07344x_1$	$-0.056897x_{15}$	$-2.623927x_5$	$-0.284295x_{20}$	$-0.384797x_{21}$	$-3.41479x_6$
x_{26}	7.11521557857	$+6.096361x_1$	$+0.429031x_{15}$	$+7.143891x_5$	$+0.486229x_{20}$	$-0.042801x_{21}$	$+3.434967x_6$
x_{27}	15.761580904	$-12.939821x_1$	$-0.434641x_{15}$	$+10.057905x_5$	$-0.540976x_{20}$	$+0.660899x_{21}$	$+1.987757x_6$
x_{12}	0.800155635553	$+0.166795x_1$	$-0.052796x_{15}$	$-1.46691x_5$	$-0.017332x_{20}$	$-0.123162x_{21}$	$-0.580632x_6$
x_{29}	11.9266149352	$-20.103669x_1$	$-0.37511x_{15}$	$+6.485686x_5$	$-0.763395x_{20}$	$+0.630387x_{21}$	$+1.048788x_6$
x_{10}	1.18450464998	$+0.273764x_1$	$-0.033974x_{15}$	$-1.553525x_5$	$-0.105226x_{20}$	$-0.228569x_{21}$	$-1.584778x_6$
x_{31}	29.2790899291	$-29.422574x_1$	$-1.686176x_{15}$	$-5.719756x_5$	$-1.800087x_{20}$	$-1.992102x_{21}$	$-27.964313x_6$
z	7.56676306784	$-7.589779x_1$	$-0.449035x_{15}$	$-7.358758x_5$	$-1.264871x_{20}$	$-0.735492x_{21}$	$-12.454942x_6$

x_{25} enters and x_2 leaves

		x_1	x_{15}	x_5	x_{20}	x_{21}	x_6
x_8	0.321150998724	$+1.281545x_1$	$+0.104629x_{15}$	$+0.704016x_5$	$+0.058905x_{20}$	$+0.144079x_{21}$	$+1.475387x_6$
x_3	1.00453749955	$+1.186501x_1$	$+0.100388x_{15}$	$+1.312254x_5$	$+0.094503x_{20}$	$+0.16505x_{21}$	$+1.775456x_6$
x_{13}	6.37629379463	$+11.272297x_1$	$+0.29029x_{15}$	$+9.766657x_5$	$+1.044728x_{20}$	$+2.135892x_{21}$	$+22.668854x_6$
x_{16}	9.46647221353	$-1.390973x_1$	$+0.325454x_{15}$	$+5.613241x_5$	$+0.114549x_{20}$	$+0.382607x_{21}$	$+6.833849x_6$
x_{17}	23.5074691426	$-18.226785x_1$	$-0.798117x_{15}$	$+1.597355x_5$	$-2.085302x_{20}$	$-1.687459x_{21}$	$-17.041612x_6$
x_{18}	36.6229114707	$-6.742202x_1$	$+0.50849x_{15}$	$+8.288377x_5$	$-0.565763x_{20}$	$+0.667575x_{21}$	$+4.392537x_6$
x_{19}	5.40755419914	$-16.918034x_1$	$-2.242367x_{15}$	$-14.55396x_5$	$-1.320974x_{20}$	$-1.567668x_{21}$	$-19.491598x_6$
x_4	1.97455954001	$-2.043365x_1$	$-0.151215x_{15}$	$-0.078681x_5$	$-0.124749x_{20}$	$-0.053192x_{21}$	$-1.146904x_6$
x_{22}	4.31250862361	$+21.779677x_1$	$+0.846793x_{15}$	$+0.169471x_5$	$+1.564133x_{20}$	$+1.254551x_{21}$	$+22.060954x_6$
x_{14}	0.418045816161	$+0.200062x_1$	$-0.755023x_{15}$	$-9.422002x_5$	$+1.189558x_{20}$	$+0.533291x_{21}$	$+10.946506x_6$
x_{23}	11.4828805005	$+0.429266x_1$	$-0.74232x_{15}$	$+8.725006x_5$	$-0.916764x_{20}$	$-0.095326x_{21}$	$-10.440282x_6$
x_{25}	0.193021203431	$-1.06067x_1$	$+0.289816x_{15}$	$+7.907178x_5$	$+0.429506x_{20}$	$+0.920752x_{21}$	$+7.345533x_6$
x_{11}	1.29501522281	$-1.421058x_1$	$+0.038086x_{15}$	$-0.032472x_5$	$-0.143531x_{20}$	$-0.083035x_{21}$	$-1.007406x_6$
x_{26}	7.23243278579	$+5.452241x_1$	$+0.60503x_{15}$	$+11.945733x_5$	$+0.747058x_{20}$	$+0.51635x_{21}$	$+7.895735x_6$
x_{27}	15.6569307354	$-12.364758x_1$	$-0.59177x_{15}$	$+5.770876x_5$	$-0.77384x_{20}$	$+0.161696x_{21}$	$-1.994765x_6$
x_{12}	0.83267896252	$-0.011923x_1$	$-0.003964x_{15}$	$-0.134581x_5$	$+0.055038x_{20}$	$+0.031981x_{21}$	$+0.657062x_6$
x_{29}	11.3752435818	$-17.07383x_1$	$-1.202978x_{15}$	$-16.101425x_5$	$-1.990292x_{20}$	$-1.999771x_{21}$	$-19.933967x_6$
x_{10}	1.23110872377	$+0.01767x_1$	$+0.036001x_{15}$	$+0.355626x_5$	$-0.001524x_{20}$	$-0.006258x_{21}$	$+0.188767x_6$
x_{31}	29.5630191975	$-30.982793x_1$	$-1.259864x_{15}$	$+5.9115x_5$	$-1.168295x_{20}$	$-0.6377x_{21}$	$-17.159221x_6$
z	7.77933816102	$-8.7579x_1$	$-0.12986x_{15}$	$+1.349451x_5$	$-0.791855x_{20}$	$+0.278536x_{21}$	$-4.365274x_6$

x_5 enters and x_{14} leaves

x_8	0.352387578194	$+1.296494x_1$	$+0.048214x_{15}$	$-0.07472x_{14}$	$+0.147789x_{20}$	$+0.183927x_{21}$	$+2.293315x_6$
x_3	1.06276105115	$+1.214365x_1$	$-0.004768x_{15}$	$-0.139276x_{14}$	$+0.26018x_{20}$	$+0.239324x_{21}$	$+3.300037x_6$
x_{13}	6.80963166229	$+11.479678x_1$	$-0.492351x_{15}$	$-1.03658x_{14}$	$+2.2778x_{20}$	$+2.688691x_{21}$	$+34.015782x_6$
x_{16}	9.71552671789	$-1.271784x_1$	$-0.124358x_{15}$	$-0.595759x_{14}$	$+0.823239x_{20}$	$+0.70032x_{21}$	$+13.355327x_6$
x_{17}	23.5783423599	$-18.192868x_1$	$-0.926119x_{15}$	$-0.169535x_{14}$	$-1.883631x_{20}$	$-1.597047x_{21}$	$-15.185801x_6$
x_{18}	36.990659344	$-6.56621x_1$	$-0.155691x_{15}$	$-0.879683x_{14}$	$+0.480672x_{20}$	$+1.136702x_{21}$	$+14.021994x_6$
x_{19}	4.76180800837	$-17.227065x_1$	$-1.076099x_{15}$	$+1.544678x_{14}$	$-3.158458x_{20}$	$-2.391432x_{21}$	$-36.400426x_6$
x_4	1.97106852108	$-2.045036x_1$	$-0.14491x_{15}$	$+0.008351x_{14}$	$-0.134682x_{20}$	$-0.057645x_{21}$	$-1.238317x_6$
x_{22}	4.32002788416	$+21.783276x_1$	$+0.833213x_{15}$	$-0.017987x_{14}$	$+1.585529x_{20}$	$+1.264143x_{21}$	$+22.257845x_6$
x_5	0.0443691071204	$+0.021234x_1$	$-0.080134x_{15}$	$-0.106135x_{14}$	$+0.126253x_{20}$	$+0.056601x_{21}$	$+1.161803x_6$
x_{23}	11.870001247	$+0.614529x_1$	$-1.441489x_{15}$	$-0.926025x_{14}$	$+0.184796x_{20}$	$+0.398515x_{21}$	$-0.303547x_6$
x_{25}	0.543855613123	$-0.892773x_1$	$-0.343818x_{15}$	$-0.839225x_{14}$	$+1.427813x_{20}$	$+1.368303x_{21}$	$+16.532112x_6$
x_{11}	1.29357444873	$-1.421747x_1$	$+0.040688x_{15}$	$+0.003446x_{14}$	$-0.147631x_{20}$	$-0.084873x_{21}$	$-1.045132x_6$
x_{26}	7.7624542786	$+5.705891x_1$	$-0.35223x_{15}$	$-1.267855x_{14}$	$+2.255245x_{20}$	$+1.192486x_{21}$	$+21.774318x_6$
x_{27}	15.9129793403	$-12.242222x_1$	$-1.054213x_{15}$	$-0.612489x_{14}$	$-0.045249x_{20}$	$+0.488331x_{21}$	$+4.709853x_6$
x_{12}	0.826707719032	$-0.014781x_1$	$+0.006821x_{15}$	$+0.014284x_{14}$	$+0.038046x_{20}$	$+0.024363x_{21}$	$+0.500706x_6$
x_{29}	10.6608377467	$-17.41572x_1$	$+0.087294x_{15}$	$+1.708918x_{14}$	$-4.023149x_{20}$	$-2.911121x_{21}$	$-38.640643x_6$
x_{10}	1.2468875481	$+0.025221x_1$	$+0.007503x_{15}$	$-0.037744x_{14}$	$+0.043375x_{20}$	$+0.013871x_{21}$	$+0.601935x_6$
x_{31}	29.8253071925	$-30.857271x_1$	$-1.733577x_{15}$	$-0.627414x_{14}$	$-0.421949x_{20}$	$-0.303105x_{21}$	$-10.291225x_6$
z	7.8392120973	$-8.729246x_1$	$-0.237997x_{15}$	$-0.143223x_{14}$	$-0.621482x_{20}$	$+0.354916x_{21}$	$-2.797479x_6$

x_{21} enters and x_{19} leaves

x_8	0.718621549457	$-0.028451x_1$	$-0.03455x_{15}$	$+0.044082x_{14}$	$-0.09513x_{20}$	$-0.076911x_{19}$	$-0.506267x_6$
x_3	1.53930268279	$-0.509647x_1$	$-0.112459x_{15}$	$+0.015309x_{14}$	$-0.055906x_{20}$	$-0.100076x_{19}$	$-0.342764x_6$
x_{13}	12.1633405595	$-7.888741x_1$	$-1.702212x_{15}$	$+0.700104x_{14}$	$-1.27326x_{20}$	$-1.124302x_{19}$	$-6.909279x_6$
x_{16}	11.1100015977	$-6.316655x_1$	$-0.439489x_{15}$	$-0.143407x_{14}$	$-0.101702x_{20}$	$-0.292846x_{19}$	$+2.69562x_6$
x_{17}	20.3983090445	$-6.688279x_1$	$-0.207478x_{15}$	$-1.201102x_{14}$	$+0.225653x_{20}$	$+0.667821x_{19}$	$+9.123152x_6$
x_{18}	39.2540553927	$-14.754628x_1$	$-0.667185x_{15}$	$-0.145462x_{14}$	$-1.020616x_{20}$	$-0.475323x_{19}$	$-3.279959x_6$
x_{21}	1.99119539088	$-7.203662x_1$	$-0.449981x_{15}$	$+0.645922x_{14}$	$-1.320739x_{20}$	$-0.41816x_{19}$	$-15.221185x_6$
x_4	1.85628562048	$-1.629779x_1$	$-0.118971x_{15}$	$-0.028884x_{14}$	$-0.058548x_{20}$	$+0.024105x_{19}$	$-0.360888x_6$
x_{22}	6.8371838938	$+12.676816x_1$	$+0.264372x_{15}$	$+0.798551x_{14}$	$-0.084075x_{20}$	$-0.528614x_{19}$	$+3.016088x_6$
x_5	0.157072029728	$-0.386498x_1$	$-0.105603x_{15}$	$-0.069575x_{14}$	$+0.051499x_{20}$	$-0.023668x_{19}$	$+0.300274x_6$
x_{23}	12.6635232424	$-2.256241x_1$	$-1.620814x_{15}$	$-0.668615x_{14}$	$-0.341539x_{20}$	$-0.166643x_{19}$	$-6.369423x_6$
x_{25}	3.26841436283	$-10.749565x_1$	$-0.959529x_{15}$	$+0.044592x_{14}$	$-0.379359x_{20}$	$-0.572169x_{19}$	$-4.295082x_6$
x_{11}	1.12457569731	$-0.810351x_1$	$+0.078879x_{15}$	$-0.051375x_{14}$	$-0.035536x_{20}$	$+0.03549x_{19}$	$+0.246735x_6$
x_{26}	10.1369263507	$-2.884373x_1$	$-0.888826x_{15}$	$-0.497602x_{14}$	$+0.680282x_{20}$	$-0.498649x_{19}$	$+3.623272x_6$
x_{27}	16.8853424699	$-15.759996x_1$	$-1.273953x_{15}$	$-0.297065x_{14}$	$-0.690207x_{20}$	$-0.2042x_{19}$	$-2.723129x_6$
x_{12}	0.875220096828	$-0.190287x_1$	$-0.004142x_{15}$	$+0.030021x_{14}$	$+0.005869x_{20}$	$-0.010188x_{19}$	$+0.129865x_6$
x_{29}	4.86422610284	$+3.555014x_1$	$+1.397244x_{15}$	$-0.171439x_{14}$	$-0.178316x_{20}$	$+1.217313x_{19}$	$+5.670075x_6$
x_{10}	1.27450642603	$-0.074698x_1$	$+0.001262x_{15}$	$-0.028785x_{14}$	$+0.025055x_{20}$	$-0.0058x_{19}$	$+0.390809x_6$
x_{31}	29.2217656045	$-28.673804x_1$	$-1.597185x_{15}$	$-0.823197x_{14}$	$-0.021626x_{20}$	$+0.126746x_{19}$	$-5.677605x_6$
z	8.54591959101	$-11.285942x_1$	$-0.397703x_{15}$	$+0.086025x_{14}$	$-1.090234x_{20}$	$-0.148412x_{19}$	$-8.199724x_6$

x_2 enters and x_{29} leaves

		x_1	x_{15}	x_{14}	x_{20}	x_{19}	x_6
x_8	0.760922037547	$+0.002464x_1$	$-0.022399x_{15}$	$+0.042591x_{14}$	$-0.096681x_{20}$	$-0.066325x_{19}$	$-0.456959x_6$
x_3	1.72578634129	$-0.373356x_1$	$-0.058892x_{15}$	$+0.008737x_{14}$	$-0.062742x_{20}$	$-0.053407x_{19}$	$-0.125386x_6$
x_{13}	14.0535022907	$-6.507319x_1$	$-1.159265x_{15}$	$+0.633486x_{14}$	$-1.342551x_{20}$	$-0.651273x_{19}$	$-4.705977x_6$
x_{16}	11.943492441	$-5.7075x_1$	$-0.20007x_{15}$	$-0.172783x_{14}$	$-0.132256x_{20}$	$-0.084258x_{19}$	$+3.667194x_6$
x_{17}	19.1290911213	$-7.615886x_1$	$-0.572059x_{15}$	$-1.156369x_{14}$	$+0.272181x_{20}$	$+0.350188x_{19}$	$+7.643665x_6$
x_{18}	36.001118653	$-17.132033x_1$	$-1.601588x_{15}$	$-0.030813x_{14}$	$-0.901367x_{20}$	$-1.289397x_{19}$	$-7.071805x_6$
x_{21}	3.92486817539	$-5.790439x_1$	$+0.105464x_{15}$	$+0.57777x_{14}$	$-1.391625x_{20}$	$+0.065758x_{19}$	$-12.967163x_6$
x_4	1.82258252668	$-1.654411x_1$	$-0.128652x_{15}$	$-0.027696x_{14}$	$-0.057313x_{20}$	$+0.01567x_{19}$	$-0.400175x_6$
x_{22}	6.22244885853	$+12.227538x_1$	$+0.08779x_{15}$	$+0.820217x_{14}$	$-0.06154x_{20}$	$-0.682456x_{19}$	$+2.299511x_6$
x_5	0.333649640249	$-0.257447x_1$	$-0.054882x_{15}$	$-0.075798x_{14}$	$+0.045025x_{20}$	$+0.020522x_{19}$	$+0.506105x_6$
x_{23}	14.9973406614	$-0.550574x_1$	$-0.950427x_{15}$	$-0.75087x_{14}$	$-0.427093x_{20}$	$+0.417414x_{19}$	$-3.648966x_6$
x_{25}	5.7989000967	$-8.900163x_1$	$-0.23265x_{15}$	$-0.044595x_{14}$	$-0.472124x_{20}$	$+0.061106x_{19}$	$-1.345374x_6$
x_{11}	0.746504528703	$-1.086664x_1$	$-0.029721x_{15}$	$-0.03805x_{14}$	$-0.021676x_{20}$	$-0.059125x_{19}$	$-0.19397x_6$
x_{26}	12.8523183084	$-0.899832x_1$	$-0.108833x_{15}$	$-0.593306x_{14}$	$+0.58074x_{20}$	$+0.1809x_{19}$	$+6.788519x_6$
x_{27}	18.567354887	$-14.530699x_1$	$-0.790797x_{15}$	$-0.356348x_{14}$	$-0.751867x_{20}$	$+0.216737x_{19}$	$-0.76246x_6$
x_{12}	0.804418120762	$-0.242033x_1$	$-0.02448x_{15}$	$+0.032516x_{14}$	$+0.008464x_{20}$	$-0.027907x_{19}$	$+0.047334x_6$
x_2	0.171931090657	$+0.125656x_1$	$+0.049387x_{15}$	$-0.00606x_{14}$	$-0.006303x_{20}$	$+0.043027x_{19}$	$+0.200415x_6$
x_{10}	1.16918426143	$-0.151672x_1$	$-0.028992x_{15}$	$-0.025073x_{14}$	$+0.028916x_{20}$	$-0.032158x_{19}$	$+0.268039x_6$
x_{31}	28.0819908295	$-29.506807x_1$	$-1.924584x_{15}$	$-0.783025x_{14}$	$+0.020157x_{20}$	$-0.158492x_{19}$	$-7.006205x_6$
z	8.61116263583	$-11.238259x_1$	$-0.378962x_{15}$	$+0.083725x_{14}$	$-1.092626x_{20}$	$-0.132084x_{19}$	$-8.123672x_6$

x_{14} enters and x_5 leaves

		x_1	x_{15}	x_5	x_{20}	x_{19}	x_6
x_8	0.948398776724	$-0.142195x_1$	$-0.053237x_{15}$	$-0.561897x_5$	$-0.071381x_{20}$	$-0.054793x_{19}$	$-0.17258x_6$
x_3	1.76424364262	$-0.40303x_1$	$-0.065218x_{15}$	$-0.115263x_5$	$-0.057552x_{20}$	$-0.051041x_{19}$	$-0.067051x_6$
x_{13}	16.8419801584	$-8.658931x_1$	$-1.617937x_{15}$	$-8.357503x_5$	$-0.966251x_{20}$	$-0.479761x_{19}$	$-0.476205x_6$
x_{16}	11.1829363732	$-5.120648x_1$	$-0.074967x_{15}$	$+2.279505x_5$	$-0.234892x_{20}$	$-0.131037x_{19}$	$+2.513525x_6$
x_{17}	14.0389857169	$-3.688319x_1$	$+0.265204x_{15}$	$+15.25584x_5$	$-0.41472x_{20}$	$+0.037109x_{19}$	$-0.077388x_6$
x_{18}	35.865486504	$-17.027378x_1$	$-1.579278x_{15}$	$+0.406511x_5$	$-0.91967x_{20}$	$-1.29774x_{19}$	$-7.277542x_6$
x_{21}	6.46809520428	$-7.752814x_1$	$-0.312867x_{15}$	$-7.622448x_5$	$-1.048421x_{20}$	$+0.222186x_{19}$	$-9.109406x_6$
x_4	1.70067183238	$-1.560344x_1$	$-0.108599x_{15}$	$+0.365385x_5$	$-0.073764x_{20}$	$+0.008172x_{19}$	$-0.585098x_6$
x_{22}	9.83288209727	$+9.441699x_1$	$-0.506085x_{15}$	$-10.821031x_5$	$+0.425682x_{20}$	$-0.460388x_{19}$	$+7.776087x_6$
x_{14}	4.40180099956	$-3.396465x_1$	$-0.724045x_{15}$	$-13.192884x_5$	$+0.594015x_{20}$	$+0.270743x_{19}$	$+6.676981x_6$
x_{23}	11.6921596343	$+1.999731x_1$	$-0.406763x_{15}$	$+9.906143x_5$	$-0.873122x_{20}$	$+0.214121x_{19}$	$-8.662512x_6$
x_{25}	5.60260274918	$-8.748698x_1$	$-0.200361x_{15}$	$+0.588334x_5$	$-0.498614x_{20}$	$+0.049032x_{19}$	$-1.643133x_6$
x_{11}	0.579016946102	$-0.957429x_1$	$-0.002172x_{15}$	$+0.501986x_5$	$-0.044278x_{20}$	$-0.069427x_{19}$	$-0.448028x_6$
x_{26}	10.2407020425	$+1.115313x_1$	$+0.320748x_{15}$	$+7.827421x_5$	$+0.228307x_{20}$	$+0.020266x_{19}$	$+2.827024x_6$
x_{27}	16.9987824003	$-13.320376x_1$	$-0.532785x_{15}$	$+4.701256x_5$	$-0.963544x_{20}$	$+0.120258x_{19}$	$-3.141789x_6$
x_{12}	0.947547074304	$-0.352472x_1$	$-0.048023x_{15}$	$-0.42898x_5$	$+0.027779x_{20}$	$-0.019103x_{19}$	$+0.264442x_6$
x_2	0.145257490165	$+0.146237x_1$	$+0.053775x_{15}$	$+0.079945x_5$	$-0.009902x_{20}$	$+0.041387x_{19}$	$+0.159954x_6$
x_{10}	1.05881828733	$-0.066513x_1$	$-0.010838x_{15}$	$+0.330784x_5$	$+0.014023x_{20}$	$-0.038946x_{19}$	$+0.100627x_6$
x_{31}	24.6352687803	$-26.847289x_1$	$-1.357638x_{15}$	$+10.330363x_5$	$-0.444973x_{20}$	$-0.370491x_{19}$	$-12.234451x_6$
z	8.97970453031	$-11.522629x_1$	$-0.439583x_{15}$	$-1.104578x_5$	$-1.042892x_{20}$	$-0.109416x_{19}$	$-7.56464x_6$

x_{28} enters and x_2 leaves

x_8	0.934508961581	$-0.156178x_1$	$-0.058379x_{15}$	$-0.569542x_5$	$-0.070434x_{20}$	$-0.058751x_{19}$	$-0.187876x_6$
x_3	1.8105760677	$-0.356385x_1$	$-0.048066x_{15}$	$-0.089763x_5$	$-0.060711x_{20}$	$-0.03784x_{19}$	$-0.016031x_6$
x_{13}	18.7520085493	$-6.73602x_1$	$-0.910842x_{15}$	$-7.306286x_5$	$-1.096459x_{20}$	$+0.064442x_{19}$	$+1.627073x_6$
x_{16}	10.4666109412	$-5.841805x_1$	$-0.340152x_{15}$	$+1.885263x_5$	$-0.186059x_{20}$	$-0.335132x_{19}$	$+1.724725x_6$
x_{17}	12.8829776471	$-4.852124x_1$	$-0.162752x_{15}$	$+14.619611x_5$	$-0.335914x_{20}$	$-0.292259x_{19}$	$-1.350357x_6$
x_{18}	37.1142825429	$-15.770159x_1$	$-1.116972x_{15}$	$+1.093807x_5$	$-1.004802x_{20}$	$-0.941935x_{19}$	$-5.902397x_6$
x_{21}	6.66756071077	$-7.552003x_1$	$-0.239025x_{15}$	$-7.512669x_5$	$-1.062019x_{20}$	$+0.279017x_{19}$	$-8.88976x_6$
x_4	1.73474562394	$-1.52604x_1$	$-0.095985x_{15}$	$+0.384138x_5$	$-0.076087x_{20}$	$+0.01788x_{19}$	$-0.547577x_6$
x_{22}	10.759554712	$+10.374621x_1$	$-0.163029x_{15}$	$-10.311021x_5$	$+0.36251x_{20}$	$-0.196361x_{19}$	$+8.796517x_6$
x_{14}	4.81990266677	$-2.975544x_1$	$-0.569264x_{15}$	$-12.962775x_5$	$+0.565513x_{20}$	$+0.389868x_{19}$	$+7.137385x_6$
x_{23}	11.9626387796	$+2.272034x_1$	$-0.306631x_{15}$	$+10.055006x_5$	$-0.891561x_{20}$	$+0.291186x_{19}$	$-8.364667x_6$
x_{25}	6.03693133782	$-8.31144x_1$	$-0.039572x_{15}$	$+0.827374x_5$	$-0.528222x_{20}$	$+0.172781x_{19}$	$-1.16486x_6$
x_{11}	0.603521067745	$-0.93276x_1$	$+0.0069x_{15}$	$+0.515473x_5$	$-0.045949x_{20}$	$-0.062445x_{19}$	$-0.421044x_6$
x_{26}	9.9536677832	$+0.826342x_1$	$+0.214487x_{15}$	$+7.669447x_5$	$+0.247874x_{20}$	$-0.061515x_{19}$	$+2.510948x_6$
x_{27}	17.6545301226	$-12.660205x_1$	$-0.290026x_{15}$	$+5.062158x_5$	$-1.008247x_{20}$	$+0.307093x_{19}$	$-2.419695x_6$
x_{12}	0.908911420525	$-0.391368x_1$	$-0.062326x_{15}$	$-0.450244x_5$	$+0.030413x_{20}$	$-0.030111x_{19}$	$+0.221898x_6$
x_{28}	1.90672167964	$+1.919582x_1$	$+0.705871x_{15}$	$+1.049397x_5$	$-0.129983x_{20}$	$+0.543261x_{19}$	$+2.099637x_6$
x_{10}	0.978753639232	$-0.147118x_1$	$-0.040478x_{15}$	$+0.286719x_5$	$+0.019481x_{20}$	$-0.061758x_{19}$	$+0.012462x_6$
x_{31}	26.6864250578	$-24.782298x_1$	$-0.598297x_{15}$	$+11.459252x_5$	$-0.584802x_{20}$	$+0.213922x_{19}$	$-9.975766x_6$
z	9.33226964666	$-11.167686x_1$	$-0.309062x_{15}$	$-0.910537x_5$	$-1.066926x_{20}$	$-0.008964x_{19}$	$-7.176404x_6$

Final Dictionary

Solution: : 9.33226964666 #Pivots: 18