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

x_1 enters and x_6 leaves

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

x_3 enters and x_1 leaves

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

x_3	2	$+3x_1 -1x_2$
x_4	11	$-1x_2$
x_5	3	$-1x_1 +1x_2$
x_6	6	$-1x_1$
z	0	$+1x_1 +2x_2$

x_1 enters and x_5 leaves

x_3	11	$-3x_5 +2x_2$
x_4	11	$-1x_2$
x_1	3	$-1x_5 +1x_2$
x_6	3	$+1x_5 -1x_2$
z	3	$-1x_5 +3x_2$

x_2 enters and x_6 leaves

x_3	17	$-1x_5 -2x_6$
x_4	8	$-1x_5 +1x_6$
x_1	6	$-1x_6$
x_2	3	$+1x_5 -1x_6$
z	12	$+2x_5 -3x_6$

x_5 enters and x_4 leaves

x_3	9	$+1x_4 -3x_6$
x_5	8	$-1x_4 +1x_6$
x_1	6	$-1x_6$
x_2	11	$-1x_4$
z	28	$-2x_4 -1x_6$