

Basis	\tilde{x}_1	\tilde{x}_2	\tilde{x}_3	\tilde{x}_4	R.H.S
\tilde{z}	$(-\frac{23}{6}, \frac{41}{6}, \frac{97}{6}, \frac{97}{6})$	$(-2, 2, 10, 10)$	$(-\frac{1}{3}, \frac{4}{3}, \frac{23}{6}, \frac{23}{6})$	0	$(-\frac{16}{3}, \frac{4}{3}, \frac{70}{3}, \frac{70}{3})$
\tilde{x}_2	$(-\frac{19}{6}, \frac{1}{6}, 7, 7)$	$(1, 1, 4, 4)$	$(-\frac{5}{6}, -\frac{1}{6}, 2, 2)$	0	$(\frac{2}{3}, \frac{10}{3}, 10, 10)$
\tilde{x}_4	$(-\frac{29}{3}, \frac{32}{3}, \frac{89}{4}, \frac{89}{4})$	$(-6, 6, 20, 20)$	$(-\frac{3}{2}, \frac{7}{2}, \frac{23}{3}, \frac{23}{3})$	$(1, 1, 0, 0)$	$(-13, 13, \frac{269}{3}, \frac{269}{3})$

Table 3: New tableau obtained when \tilde{x}_3 leaves and \tilde{x}_2 enters.

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