Step	Annotated Algorithm: $B := L^{-1}B$
1a	$\left\{ B = \hat{\hat{B}} \right\}$
4	**Partition** $L \rightarrow \left(\begin{array}{c\|\|c} L_{TL} & 0 \\ \hline\hline L_{BL} & L_{BR} \end{array} \right)$, $B \rightarrow \left(\begin{array}{c} B_T \\ \hline\hline B_B \end{array} \right)$, and $\hat{B} \rightarrow \left(\begin{array}{c} \hat{B}_T \\ \hline\hline \hat{B}_B \end{array} \right)$ **where** L_{TL} is 0×0, and B_T and $\hat{B}_T$ have 0 rows
2	$\left\{ \left(\begin{array}{c} B_T \\ \hline\hline B_B \end{array} \right) = \left(\begin{array}{c} L_{TL}^{-1}\hat{B}_T \\ \hline\hline \hat{B}_B - L_{BL}L_{TL}^{-1}\hat{B}_T \end{array} \right) \right\}$
3	**while** $n(L_{TL}) \neq n(L)$ **do**
2,3	$\left\{ \left(\left(\begin{array}{c} B_T \\ \hline\hline B_B \end{array} \right) = \left(\begin{array}{c} L_{TL}^{-1}\hat{B}_T \\ \hline\hline \hat{B}_B - L_{BL}L_{TL}^{-1}\hat{B}_T \end{array} \right) \right) \wedge (n(L_{TL}) \neq n(L)) \right\}$
5a	**Repartition** **where**
6	$\{Q_{bu}\}$
8	S_U
5b	**Continue with**
7	$\{Q_{au}\}$
2	$\left\{ \left(\begin{array}{c} B_T \\ \hline\hline B_B \end{array} \right) = \left(\begin{array}{c} L_{TL}^{-1}\hat{B}_T \\ \hline\hline \hat{B}_B - L_{BL}L_{TL}^{-1}\hat{B}_T \end{array} \right) \right\}$
	enddo
2,3	$\left\{ \left(\left(\begin{array}{c} B_T \\ \hline\hline B_B \end{array} \right) = \left(\begin{array}{c} L_{TL}^{-1}\hat{B}_T \\ \hline\hline \hat{B}_B - L_{BL}L_{TL}^{-1}\hat{B}_T \end{array} \right) \right) \wedge \neg (n(L_{TL}) \neq n(L)) \right\}$
1b	$\left\{ B = L^{-1}\hat{\hat{B}} \right\}$

Figure 1: Worksheet (incomplete) for deriving unblocked algorithm for $B := L^{-1}B$ (Variant 2).