

$$\tilde{\mathcal{A}}(1) \longrightarrow \hat{\mathcal{A}}(2) \leftarrow \tilde{\mathcal{A}}(1) \longrightarrow \tilde{\mathcal{A}}(3) \longrightarrow$$

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$$\begin{bmatrix} y_0 \\ 1 \\ 3 \end{bmatrix}$$