



(a) $1 \leq i \leq T$:

$$\begin{array}{c} i \\ \vdots \\ j \end{array} \boxed{} \quad 1$$

$$\begin{array}{c} i \\ \vdots \\ j \end{array} \boxed{} \quad \frac{w_i - y_j}{w_i - s_{j-1}^{-2} y_{j-1}}$$

$$\begin{array}{c} i' \\ \vdots \\ j' \end{array} \boxed{} \quad \frac{y_j - \theta_i^{-2} w_i}{w_i - s_{j-1}^{-2} y_{j-1}}$$

$$\begin{array}{c} i' \\ \vdots \\ j' \end{array} \boxed{} \quad \frac{\theta_i^{-2} w_i - s_j^{-2} y_j}{w_i - s_j^{-2} y_j}$$

(b) $1 \leq i \leq N$:

$$\begin{array}{c} T+i \\ \vdots \\ j \end{array} \boxed{} \quad \frac{x_i - s_j^{-2} y_j}{x_i - y_{j+1}}$$

$$\begin{array}{c} T+i \\ \vdots \\ j \end{array} \boxed{} \quad 1$$

$$\begin{array}{c} (T+i)' \\ \vdots \\ j' \end{array} \boxed{} \quad \frac{y_j - r_i^{-2} x_i}{x_i - y_j}$$

$$\begin{array}{c} (T+i)' \\ \vdots \\ j' \end{array} \boxed{} \quad \frac{r_i^{-2} x_i - s_j^{-2} y_j}{x_i - y_{j+1}}$$