$$\begin{array}{c}
x_1 \\
x_2 \\
\vdots \\
x_{n-1}
\end{array}$$

$$\begin{array}{c}
\psi_1 \\
\psi_2 \\
\vdots \\
\psi_{i-1}
\end{array}$$

$$\begin{array}{c}
\psi_0 \\
\vdots \\
\psi_i
\end{array}$$

$$\begin{array}{c}
\psi_0 \\
\vdots \\
\psi_i
\end{array}$$

$$\begin{array}{c}
\psi_1 \\
\vdots \\
\psi_i
\end{array}$$