

$$\begin{array}{cccc}
& \theta & & \\
(\eta_{-14} & \eta_{16} & \eta_{-1} & \eta_{13}) \\
\hline
\overline{\eta}_{-14} & \mathbf{0} & \mathbf{1} - \omega & \mathbf{0} \\
\overline{\eta}_{16} & \frac{\omega - 1}{\omega} & - \frac{2 (\omega - 1)^2 \omega}{\omega^4 - 3 \omega^3 + 5 \omega^2 - 3 \omega + 1} & - \frac{\omega - 1}{\omega} \\
& \mathbf{0} & \omega - 1 & \mathbf{0} \\
\overline{\eta}_{-1} & - \frac{\omega - 1}{\omega} & \frac{2 (\omega - 1)^2 \omega}{\omega^4 - 3 \omega^3 + 5 \omega^2 - 3 \omega + 1} & \mathbf{1} - \omega \\
\overline{\eta}_{13} & & & - \frac{2 (\omega - 1)^2 \omega}{\omega^4 - 3 \omega^3 + 5 \omega^2 - 3 \omega + 1} \\
& & & \mathbf{1} \\
& (\eta_{-14} & \eta_{16} & \eta_{-1} & \eta_{13}) \\
\hline
\overline{\eta}_{-14} & \frac{1}{2} (-16 u^4 + 28 u^2 - 13) & 0 & \frac{1}{2} (16 u^4 - 28 u^2 + 13) & 0 \\
\overline{\eta}_{16} & 0 & - \frac{2 (u - 1) (u + 1)}{16 u^4 - 28 u^2 + 13} & 0 & \frac{2 (u - 1) (u + 1)}{16 u^4 - 28 u^2 + 13} \\
\overline{\eta}_{-1} & \frac{1}{2} (16 u^4 - 28 u^2 + 13) & 0 & \frac{1}{2} (-16 u^4 + 28 u^2 - 13) & 0 \\
\overline{\eta}_{13} & 0 & \frac{2 (u - 1) (u + 1)}{16 u^4 - 28 u^2 + 13} & 0 & - \frac{2 (u - 1) (u + 1)}{16 u^4 - 28 u^2 + 13}
\end{array}$$