

$$\begin{array}{rcl}
m & = & 2 \quad 3 \quad 2 \quad 1 \quad 1 \quad 0 \\
& & & & & & \times \\
\omega_4 m & = & 2 \quad 3 \quad 2 \quad 2 \quad 0 \quad 0 \\
& & & & & & \times \\
\eta_3 \omega_4 m & = & 2 \quad 3 \quad 3 \quad 1 \quad 0 \quad 0 \\
& & & & & & \times \\
\omega_3 \omega_4 m & = & 2 \quad 3 \quad 3 \quad 1 \quad 0 \quad 0 \\
& & & & & & \times \\
\eta_2 \omega_3 \omega_4 m & = & 2 \quad 4 \quad 2 \quad 1 \quad 0 \quad 0 \\
& & & & & & \times \\
\eta_3 \eta_2 \omega_3 \omega_4 m & = & 2 \quad 4 \quad 2 \quad 1 \quad 0 \quad 0 \\
& & & & & & \times \\
\omega_2 \omega_3 \omega_4 m & = & 2 \quad 4 \quad 2 \quad 1 \quad 0 \quad 0 \\
& & & & & & \times \\
\eta_1 \omega_2 \omega_3 \omega_4 m & = & 5 \quad 1 \quad 2 \quad 1 \quad 0 \quad 0 \\
& & & & & & \times \\
\eta_2 \eta_1 \omega_2 \omega_3 \omega_4 m & = & 5 \quad 3 \quad 0 \quad 1 \quad 0 \quad 0 \\
& & & & & & \times \\
\eta_3 \eta_2 \eta_1 \omega_2 \omega_3 \omega_4 m & = & 5 \quad 3 \quad 1 \quad 0 \quad 0 \quad 0 \\
& & & & & & \times \\
\omega m & = & 5 \quad 3 \quad 1 \quad 0 \quad 0 \quad 0
\end{array}$$