

$$M_{\{1,2\} \rightarrow \{1,2,3\}} \left[\mathbf{1}, -z_1^2 + 4z_1z_2 + z_2^2 - z_1z_3 - 2z_2z_3 + \right.$$

$$\left. 2z_3^2 + 4z_1\zeta_1 + 3z_2\zeta_1 + 2z_3\zeta_1 + 6z_1\zeta_2 + z_2\zeta_2 + 5z_3\zeta_2 - 2\zeta_1\zeta_2 - \zeta_2^2 \right]$$

$$M_{\{1,2,3\} \rightarrow \{1,2,3\}} \left[\mathbf{1}, z_1z_2 + 3z_2^2 - z_1z_3 + 5z_2z_3 - z_3^2 + 2z_1\zeta_1 - 2z_2\zeta_1 + \zeta_1^2 - 5z_1\zeta_2 + \right.$$

$$\left. 3z_2\zeta_2 + 5z_3\zeta_2 - 3\zeta_1\zeta_2 + 2\zeta_2^2 - 5z_1\zeta_3 - 2z_2\zeta_3 - 4z_3\zeta_3 - \zeta_1\zeta_3 - 2\zeta_2\zeta_3 + \zeta_3^2 \right]$$

$$M_{\{1,2,3\} \rightarrow \{1,2\}} \left[\mathbf{1}, -z_1^2 + 4z_1z_2 - 3z_2^2 + 5z_1\zeta_1 - z_2\zeta_1 + \right.$$

$$\left. 2\zeta_1^2 + 2z_1\zeta_2 - 4z_2\zeta_2 + 2\zeta_1\zeta_2 + \zeta_2^2 + 4z_1\zeta_3 - z_2\zeta_3 + \zeta_1\zeta_3 + 2\zeta_3^2 \right]$$