$$M = M_S \ , \qquad \omega_1 = -\lambda_S^2 \ , \qquad \alpha_1 = a_2 - 2a_3 \ ,$$

$$c_4 = |\lambda_S|^2 \ , \qquad \gamma_4 = a_2 - a_3 \ , \qquad \beta_4 = |a_2 - a_3|^2 - b_3$$