$$P_2 = \prod_{ij} x^i x^j$$
$$P_3 = \prod_{ijk} x^i x^j x^k$$

$$a = z_6 + i z_5 \quad x = z_{10} + i z_9 \quad s = z_{11}$$
$$c = z_8 + i z_7 \quad d = z_4 + i 0$$

$$\in_6 = 12a\bar{a} + 56c\bar{c} + 24d^2 + 16\sqrt{15}ds + 24t\bar{t} + 120s^2$$

$$\in = 8\sqrt{2}(3d+\sqrt{15}s)a + 32c^2 + 48\bar{c}t$$

$$\delta = 192ac(3d+2\sqrt{15}s) + 144\sqrt{2}a^2\bar{c} + 160\sqrt{2}c^3 + 144\sqrt{2}t(2d^2+2\sqrt{15}ds+5c\bar{c}+12s^2)$$

$$\zeta = 16\sqrt{2}c(25c\bar{c}+18d^2+120s^2+6a\bar{a}+15t\bar{t}+22\sqrt{15}ds) + 48\sqrt{2}\bar{t}a^2 + 240\sqrt{2}\bar{c}^2t + 32\sqrt{15}sa\bar{c} + 96(2d+\sqrt{15}s)(2a\bar{c}+\bar{a}t)$$