Computations

$$\bar{h} = 1$$

1 S_3 , char 3, τ trivial

1.1 Hilbert polynomial

$$t^{12} + 3t^{11} + 6t^{10} + 8t^9 + 9t^8 + 9t^7 + 9t^6 + 9t^5 + 9t^4 + 8t^3 + 6t^2 + 3t + 1 = (t^2 + t + 1)^3(t^6 + t^3 + 1).$$

1.2 Generators

$$\begin{split} &x_0^3+x_1^3+x_2^3\\ &((2c+2)/c)x_0^3-x_0^2x_1+x_0x_1^2+((c+1)/c)x_1^3+x_0^2x_2-x_1^2x_2-x_0x_2^2+x_1x_2^2\\ &x_0^9. \end{split}$$