rewriting b0-b3:

$$b_{0} = \frac{1}{\alpha_{0}}$$

$$b_{1} = \frac{1 - \alpha_{0} \cdot \frac{1}{\alpha_{0}}}{\frac{1}{\alpha_{0}}} - \alpha_{1} \cdot \frac{1}{\alpha_{0}} = \frac{1 - 1}{\alpha_{0}} - \frac{\alpha_{1}}{\alpha_{0}} = \frac{\alpha_{1}}{\alpha_{0}} = -\frac{\alpha_{1}}{\alpha_{0}}$$

$$a_{0} = \frac{1 - \alpha_{1} \cdot \frac{1}{\alpha_{0}}}{\alpha_{0}} = \frac{\alpha_{1}}{\alpha_{0}} = -\frac{\alpha_{1}}{\alpha_{0}}$$

$$\frac{1 - (\alpha_0 \cdot (-\frac{\alpha_1}{\alpha_0^2}) + (\alpha_1 \cdot \frac{1}{\alpha_0})) \cdot z^7 - (\alpha_0 \cdot \frac{1}{\alpha_0}) \cdot z^0}{z^2} - \alpha_1 \cdot (-\frac{\alpha_1}{\alpha_0^2}) - \frac{\alpha_2}{\alpha_0}}$$

$$= \frac{1 - \left(-\frac{\alpha_1}{\alpha_0} + \frac{\alpha_1}{\alpha_0}\right) \cdot z^7 - 1}{z^2} + \frac{\alpha_1^2}{\alpha_0^2} - \frac{\alpha_2}{\alpha_0}$$

$$= \frac{z^2}{\alpha_0}$$

$$= \frac{Q_{\gamma}^{2}}{Q_{0}^{2}} + \frac{Q_{\gamma}^{2}}{Q_{0}^{2}} - \frac{Q_{\gamma}^{2}}{Q_{0}^{2}}$$

$$= \frac{Q_{\gamma}^{2}}{Q_{0}^{2}} + \frac{Q_{\gamma}^{2}}{Q_{0}^{2}} - \frac{Q_{\gamma}^{2}}{Q_{0}^{2}}$$

$$= \underbrace{\frac{\alpha_1^2}{\alpha_2^2}}_{\underline{a_0}} - \underbrace{\frac{\alpha_2}{\alpha_0}}_{\underline{a_0}} - \underbrace{\frac{\alpha_2}{\alpha_0^2}}_{\underline{a_0}} - \underbrace{\frac{\alpha_2}{\alpha_0^2}}_{\underline{a_0}} - \underbrace{\frac{\alpha_2}{\alpha_0^2}}_{\underline{a_0}} - \underbrace{\frac{\alpha_2}{\alpha_0^2}}_{\underline{a_0}} - \underbrace{\frac{\alpha_2}{\alpha_0^2}}_{\underline{a_0}}$$

$$\int_{0}^{\infty} = (((1-(a2*b0 + a1*b1 + a0*b2)*z^2 - (a1*b0 + a0*b1)*z - (a0*b0)*1)/z^3) - a3*b0 - a2*b1 - a1*b2)/a0$$

 $= (((1-(a2*(1/a0) + a1*(-(a1/a^20)) + a0*((a^21/a^30)-(a2/a^20)))*z^2 - (a1*(1/a0) + a0*(-(a1/a^20)))*z - (a0*(1/a0))*1)/z^3) - a3*(1/a0) - a2*(-(a1/a^20)) - a1*((a^21/a^30)-(a2/a^20)))/a0$ 

$$= (((1 - 0 - 0 - 1)/z^3) - (a3/a0) - (a^31/a^30))/a0$$

$$b_3 = \frac{\frac{0}{2^3} - \frac{a_3}{a_0} - \frac{a_3}{a_0}}{\frac{a_0}{a_0}} = \frac{\frac{a_3}{a_0}}{\frac{a_0}{a_0}} - \frac{\frac{a_3}{a_0}}{\frac{a_0}{a_0}} - \frac{a_3}{a_0} - \frac{a_3}{a_0}$$