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$$eqn1 := t = k \left(\frac{Ca^{3}}{3} + \frac{(-Cao + Cbo) Ca^{2}}{2} + Cbo^{3} + 12t \right) k^{3}$$

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$$eqn1 := t = k \left(\frac{Ca^{3}}{3} + \frac{(-Cao + Cbo) Ca^{2}}{2} + \frac{(-Cao + Cbo) C$$

 $X := 1 - \frac{con_A}{Cao}$

$$X := 1 - \frac{1}{Cao} \left(\frac{1}{2k} \left(\left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 6 t \right)} + 12 t \right) k^2 \right)^{\frac{1}{3}}$$

$$+ \left(\left(Cao - Cbo \right)^2 k \right) / \left(2 \left(\left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{6} \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cbo^2 k - Cbo^3 k + 2 \sqrt{t \left(Cao^3 k - 3 Cao^2 Cbo k + 3 Cao Cb$$

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