Taylor xo = 0; orden 3

Usamos: 
$$cos(t^2) = 1 - \frac{t^4}{2!} + \frac{t^6}{3!} + \cdots$$

$$= \frac{2^3}{3} - \frac{2^7}{14} + \frac{2^9}{54} + o(2^9)$$

$$P_3(x|F_1x_0=0)=\frac{x^3}{3}$$

Calcula lin (2)

$$\lim_{x\to 0} \frac{F(x)}{x^3} = \lim_{x\to 0} \frac{\frac{x^3}{3} - \frac{x^7}{14} + o(x^7)}{x^3} = \frac{1}{3}$$