P = x + d o P = x - (x, P >) = x $P_{z} = x^{2} + d_{z_{1}}P_{1} + d_{z_{0}}P_{0} = x^{2} - \frac{(x^{2}, P_{1})}{\|P_{1}\|^{2}}P_{0} = x^{2} - \frac{1}{3}$ $P_{3} = x^{3} + \frac{1}{2} + \frac{1}{2}$ $(x^3, P_1) = \int x^3(x^3-\frac{1}{2})$ $(x^3, P_1) = \int x^3 \cdot 1 dx = \emptyset (000)$ = \ x 5 - \ \ x 2 = \ (000 = $x^3 - \frac{\langle x^3, ?, \rangle}{\|P_1\|^2} P_1$ $|\langle x^3, P_1 \rangle = |\langle x^3, x \rangle| = |\langle x^3, x$ $||P_1||^2 = ...?$ = $\langle P_1, P_2 \rangle = \int x^2 dx = \frac{1}{5} ||P_1||^2 = \frac{1}{5}$ $= \frac{2}{5} \cdot \frac{2}{5} \cdot \frac{3}{2} \times \frac{3}{5} \times \frac{$