h). For emos la función y la vamos a evaluar en 3 valores.

$$gue$$
 Jon x_0 , x_1 , x_2 .

 $f(x) \cong a(x - x_2)^2 + b(x - x_2) + C$.

 $f(x_2) = a(x_2 - x_1)^2 + b(x_0 - x_2) + f(x_2)$
 $f(x_0) = a(x_0 - x_2)^2 + b(x_0 - x_2) + f(x_2)$
 $f(x_0) = a(x_1 - x_2)^2 + b(x_1 - x_2) + f(x_2)$

 $f(x_1) - f(x_2) = \alpha (x_1 - x_2)^2 + b (x_1 - x_2)$

$$h_1 = x_1 - x_0$$

$$h_2 = x_2 - x_1$$

$$-x_0 + x_2 - x_1$$

$$-x_0 + x_2$$

$$-x_0 + x_2$$

$$-x_0 + x_1$$

$$-x_0 + x_1$$

$$-x_0 + x_2$$

$$-x_0 + x_2$$

$$-x_0 + x_2$$

$$-x_0 + x_1$$

$$-x_0 + x_2$$

$$-x_0 + x_1$$

$$-x_0 + x_2$$

$$-x_0 + x_2$$

$$-x_0 + x_1$$

$$-x_0 + x_2 + x_2$$

$$-x_0 + x_1 + x_2$$

$$-x_0 + x_2 + x_2$$

$$-x_0 + x_1 + x_2$$

$$-$$

$$(-ah_{2} + b) = f [x_{1}x_{2}]$$

$$-ah_{2} + b = f [x_{1}x_{2}] + ah_{2}$$

$$b = f [x_{1}x_{2}] + ah_{2}$$

$$f [x_{0}] - f(x_{0}) = (h_{1} + h_{2})b - a (h_{1} + h_{2})^{2}$$

$$f [x_{0} x_{1}] h_{1} + h_{2} f [x_{1} x_{2}] = (h_{1} + h_{2})b - a (h_{1} + h_{2})^{2}$$

$$a = f [x_{1}x_{2}] + ah_{2} (h_{1} + h_{2}) - f [x_{0} x_{1}]h_{1} - h_{2} f[x_{1}x_{2}]$$

$$(h_{1} + h_{2})$$

$$a = \frac{f [x_{1} x_{2}] + ah_{2} (h_{1} + h_{2})}{h_{2} - h_{2}}$$