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$$T = \left\{ (a, f(a)), (x_m, f(x_m)), (b, f(b)) \right\} \text{ clonde } x_m = a + b$$

$$T = \int_{a}^{b} (x_m - b)(x_m - x_m) f(a) + (x_m - a)(x_m - b) f(x_m) + (x_m - a)(x_m - x_m) f(a)$$

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$$T = \int_{a}^{b} (x_m - a)(x_m - a)(x_m - a) f(x_m - a)(x_m - a)(x_m - a) f(x_m - a)(x_m - a)(x$$

(x-a)(x-xm)dx $T_3 = \int \frac{(x-a)(x-xm)}{(b-a)(b-xm)} f(b) dx = \frac{f(b)}{(b-a)(b-xm)}$ $\int_{0}^{b} (x-a)^{2} dx$ $a \int (x-a)(x-xm)dx = (x-xm)(x-a)^2$ $= (b - xm)(b - a)^2$ 1 (6-0)3 $= (b-xm)(b-a)^2$ $\frac{1}{2} \frac{(2h)^3}{3} - 2h^3 - \frac{4}{3}h^3 = \frac{2h^3}{3}$ $h \cdot (2h)^2$ F(b) 2h3 _ f(b) 2h3 f(b) I3 = (b-a)(b-xm) 2h2 $I = I_1 + I_2 + I_3$ $T = \frac{h}{3} F(a) + \frac{4}{3} h f(x_m) + \frac{h}{3} F(b)$ T = h (f(a) + 4f(xm) + P(b))

MM