$-\int_{a}^{b} \frac{(x-a)(x-x_{m})}{(b-a)(b-x_{m})} f(b) dx$	= F(b) (b-a)(b-Xm)	b \((\chi - a)(\chi - \chi)	$(m)dX = \frac{1}{(2h)}$	$\int_{(h)}^{b} \int_{a}^{x^{2}-\frac{b}{2}}$	$\frac{x}{2} - \frac{ax}{2} - ax +$	$\frac{ab}{2} + \frac{a^2}{2} dx$				
	$=\frac{f(b)}{2h^2}\left(\frac{x^3}{3}-\frac{1}{3}\right)$	$\frac{5X^2}{4} - \frac{3ax^2}{4}$	$+\frac{abx}{2}+\frac{a^2}{2}$	$\left \frac{b}{a} \right = \frac{f(b)}{2h^2}$	$\left(\frac{b^3}{3} - \frac{b^3}{4} - \frac{b^3}{4}\right)$	$\frac{3ab^2}{4} + \frac{ab^2}{2}$	$+\frac{a^{3}b}{2} - \frac{a^{3}}{3}$	$\frac{3}{5} + \frac{a^2b}{4} +$	$\frac{3a^3}{4}$ $\frac{a^3b}{2}$	a 2
	$=\frac{f(b)}{2h^2}\left(\frac{b^3}{12}\right)$	3 <u>ab²</u> + <u>3a²b</u> 12 + 12	$\left(\frac{a^3}{12}\right) = $	$\frac{f(b)}{2h^2} \left(\frac{(2h)}{12} \right)$	$\left \frac{f(b)}{2h^2}\right = \frac{f(b)}{2h^2}$	$\left(\frac{8h^3}{12}\right)$				
	$=\frac{h}{3}f(b)$		Ь		L					
$I = \int_{a}^{b} f(x) dx \cong \int_{a}^{b} P_{2}(x) dx$	$ \chi = \int_{a}^{b} \frac{(x-b)(x)}{(a-b)(a)}$	-xm) -xm) f(a) dx	$(x-a)(x)$ $(x_m-a)(x)$	(-b) (xm-b) f(xm) o	$\sqrt{\frac{1}{2}} \left(\frac{(x-a)}{(b-a)!} \right)$	$(x-X_m)$ $(b-X_m)$	dx			
Ь		+ h (4f(x,		ь)						
$I = \int_{a}^{b} f(x) dx \cong \int_{a}^{b} P_{2}(x) dx$	$dx = \frac{h}{3}(f(a))$	+4f(Xm)+	+f(b)							