Punto teórico 1.

$$\int_{a}^{b} \frac{\chi(f(a))}{a-b} = \frac{b(f(a))}{a-b} + \frac{\chi f(b)}{b-a}$$

$$= \frac{\chi^{2}}{a-b} - \frac{\lambda^{2}}{a-b} + \frac{b(f(a))}{a-b} + \frac{\chi^{2}}{b-a}$$

$$= \frac{\chi^{2}(f(a))}{b-a} + \frac{\chi^{2}(f(b))}{b-a}$$

$$= \frac{\chi^{2}(f(a))}{a-b} + \frac{\chi(b)}{a-b} + \frac{\chi(b)}{b-a}$$

$$\frac{b^{2}(c)}{a^{2}(c)} = a(d)$$

$$\frac{a^{2}(c)}{a^{2}(c)} = a(d)$$

$$\frac{(c)}{a}(b^{2}-a^{2}) - (d)(b-a)$$

$$\frac{(c)}{a}(b-a)(b+a) - (d)(b-a)$$

$$\frac{(b-a)(\frac{c(b+a)}{2}-d)}{(b-a)(\frac{b}{5}(a)-\frac{b}{5}(b)+\frac{a}{5}(a)-\frac{a}{5}(b)}$$

$$\frac{2(a-b)}{2(a-b)}$$

$$-\frac{b}{5}(a)+\frac{b}{5}(b)+\frac{a}{5}(a)+\frac{a}{5}(b)$$

$$\frac{a+b}{2(a-b)}$$

$$\frac{a(f(a)+f(b))-b(f(a)+f(b))}{a-b}$$

$$\frac{(b-a)}{2}(f(a)+f(b))$$