$$f(a)(-\frac{a}{6} + \frac{b}{6}) + f(xm)(-\frac{2a}{3} + \frac{2b}{3}) + f(b)(-\frac{a}{6} + \frac{b}{6}) = I$$

$$\frac{1}{6}f(a)(-a+b) + \frac{1}{6}f(xm)(-4a+4b) + \frac{1}{6}f(b)(-a+b) = I$$

$$\frac{1}{6}f(a)(b-a) + \frac{1}{6}f(xm)(b-a) + \frac{1}{6}f(b)(b-a) = I$$

$$(b-a)(\frac{1}{6}f(a) + \frac{1}{6}f(xm) + \frac{1}{6}f(b)) = I$$

$$\frac{a(b-a)}{6}(f(a) + \frac{1}{6}f(xm) + f(b)) = I$$

$$h = 2(b-a)$$