

$$\frac{f(a)}{(a-b)(a-x_m)} \left(\frac{3x_m(a-b)^2 - b^3 - 7a^3 + 3a^2b}{6} \right) + \frac{f(x_m)}{(x_m - a)(x_m - b)} \left(\frac{(a-b)^3}{6} \right) + \frac{1}{(a-b)^3}$$

$$\frac{f(b)}{(b-a)(b-x_m)} \left(\frac{-3x_m(a-b)^2 + a^3 + 2b^3 - 3ab^2}{6} \right)$$