Taller 23

X	$F(x)$
1	3 x_0
3	0 x_1
5	-1 x_2
7	2.5 x_3
9	1

$$F_1 = \frac{x-3}{1-3} \cdot 3 + \frac{x-1}{3-1} \cdot 0$$

$$F_1 = \frac{3x-6}{-2} = -\frac{3}{2}(x-2)$$

$$F_2 = \frac{(x-3)(x-5)}{(1-3)(1-5)} \cdot 3 + \frac{(x-1)(x-5)}{(3-1)(3-5)} \cdot 0$$

$$+ \frac{(x-1)(x-3)}{(5-1)(5-3)} \cdot (-1)$$

$$f_2 = \frac{x^2-5x-3x+15}{8} \cdot (3) + \frac{x^2-3x-x+3}{8} \cdot (-1)$$

$$f_2 = \frac{x^2-8x+15}{8} \cdot (3) + \frac{x^2-4x+3}{8} \cdot (-1)$$

$$f_2 = \frac{3x^2-24x+45}{8} + \frac{-x^2+4x-3}{8}$$

$$F_2 = \frac{2x^2-20x+42}{8}$$

$$F_2 = \frac{x^2-10x+21}{4}$$