Nombre: Lorge Envigue Tapian Bourages

Perovollo daller 22

Estimación del polos f(2,5)

6 rado 1,2,3 Férenula Pn(x)= \lef(xi)Li(x)

6 rud	r1,2,3
X	F(X)
1 2	(1,2)
3 4	5,1

$$4p Li(x) = \prod_{j \neq 0} \frac{x - xj}{xi - xj}$$

Datos

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$$n=4$$
  
 $j=0,1,2,3$   
 $j=0,1,2,3$   
Grado 1

$$F_{1}(x) = \frac{X - X_{1}}{x_{0} - x_{1}} F(x_{0}) + \frac{X - X_{0}}{X_{1} - x_{0}} F(x_{1})$$

$$F_{i}(y) = \left(\frac{x-3}{2-3}\right)(3) + \left(\frac{x-2}{3-2}\right)(5,1)$$

Fi(x)=-3x+9+5,1x-10.2 + Fi(x)=2,1x-1.2

TALENT PARTNERSHIP

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6 stode 2

 $f_{2}(\chi) = \frac{(\chi-3)(\chi-4)}{(2-3)(2-4)}(3) + \frac{(\chi-2)(\chi-4)}{(3-2)(3-4)}(5,1) + \frac{(\chi-2)(\chi-3)}{(4-2)(4-3)}(5,1)$ 

 $F_2(x) = -x^2 + 4x + 3x - 12 + (-5,1x^2) + 29,4x + 19,2x$  -40,84  $2,95x^2 - 8,85x - 9,9x + 17,7$   $F_2(x) = -0,65x^2 + 5,35x - 9,1$   $G_{7}$ 

 $F_3(x) = \frac{(x-1)(x-2)(x-3)}{(0-1)(0-2)(0-3)}(2) + \frac{(x-0)(x-2)(x-3)}{(1-0)(1-2)(1-3)}(2)$ 

 $+\frac{(\chi-0)(\chi-1)(\chi-3)}{(z-0)(z-1)(z-3)}$  (3)  $+\frac{(\chi-0)(\chi-1)(\chi-2)}{(3-0)(3-1)(3-2)}$  (5,1)

 $F_{3}(\chi) = -1/3 \chi^{2} - 2\chi + 1/3 \chi^{3} + 2 + 0.6 \chi^{3} + 3.6 \chi + 1.5 \chi^{3}$   $-4.5 \chi + 0.83 \chi^{3} + 1.7 \chi$  $F_{3}(\chi) = -0.42 \chi^{3} + 0.73 \chi^{2} - 1.2 \chi + 2$ 

TALENT PARTNERSHIP