25 -

$$\Gamma (x) = \frac{N!}{6x} \frac{9x}{9x} (6-x x)$$

$$L_{2}(x) = \frac{e^{x}}{2!} \cdot \frac{J^{2}}{J^{2}} \left(e^{-x} \times^{2}\right)$$
Primera derivada:

$$\frac{3^{2}}{3^{2}}(e^{-x}z^{2}) = \frac{3^{2}}{3^{2}}(e^{-x}(2x-x^{2})) = e^{-x}(2-4x+x^{2})$$

Sustituinos

$$X = \frac{-(-4) \pm \sqrt{-4^2 - 4/1.2}}{2 \cdot 1} = \frac{4 \pm \sqrt{8}}{2}$$

$$x_0 = 2 - \sqrt{2}$$
 } las Raices
 $x_1 = 2 + \sqrt{2}$ }

C) calculo de los Peros

Loi Peros Wo y W, Se CAlculan inTegrando 1AS BASEI CATLINATES con la Funcion O(x)=e-x. la Formula es:

$$N_0 = \int_{\infty}^{\infty} e^{-x} \cdot \frac{x - x}{x - x}, \, J_x$$

$$W_1 = \int_0^\infty e^{-x} \cdot \frac{x_1 - x_0}{x - x_0} \Im x$$

(Alculamos la diferencia

CALCULAMOS LA inTegral

$$w_0 = \frac{1}{2\sqrt{2}} \cdot \int_0^\infty e^{-x} (x - x_1) \cdot dx$$

$$W_1 = \frac{1}{2\sqrt{2}} \int_0^{\infty} e^{-x} (x - x_0) dx$$

PATA Voão

$$\omega_0 = \frac{1}{2\sqrt{2}} \int_0^\infty e^{-x} \times \lambda_x - \times \int_0^{-x} e^{-x} \lambda_x$$

$$Wo = \frac{1}{-2J_2} \cdot 1 - (2+J_2) \cdot 1$$

$$w_0 = \frac{1}{-252} \cdot (-1 - 52)$$

$$w_0 = \frac{1+\sqrt{2}}{2\sqrt{2}} \cdot \frac{52}{52} = \frac{52+2}{41}$$

PATA WI:

$$W_1 = \frac{1}{2\sqrt{2}} \left(\int_0^{\infty} e^{-x} \times J \times - \times_0 \int_0^{\infty} e^{-x} J \times \right)$$

$$w_1 = \frac{1}{252} (1 - (2 - 52) \cdot 1)$$

$$W_1 = \frac{1}{252}(52-1) = \frac{(52-1)}{252}, \frac{52}{52} = \frac{2-52}{41}$$

$$\int_{0}^{\infty} (x) = \int_{0}^{\infty} e^{-\frac{1}{2}} e^{-\frac{1}{2}} dx$$

Wo f(x0) + W, f(x1) = \(\int_{\text{U}} \). (2-\(\int_{\text{Z}}\)) + (\(\int_{\text{Z}} + \text{Z}\). (2+\(\int_{\text{Z}}\)) Wo f (x05+ W1 5x1) = 52+2. (20-1452)+(2-52. (20+1452) De el Mismo Valor la suma de Riemann USANDO laquerra al valor exacto de la Integral, Asi que es exacta PATA el Polinomio Cubico X3