

C)	hallar	peros de	wadratura
	Pava		
	W_4	= e-x($\frac{x - x_2}{x_1 - x_2} dx$
		Jo	$\chi_{i} - \chi_{2}$
	Reempl	atando raios	γ1 μ γ2
	M	= e-x (-	$\frac{\chi - (2-\sqrt{2})}{(2+\sqrt{2}) - (2-\sqrt{2})} dx$
		30 ((2+Jz)-(2-Jz)
		= (∞ e-×	X -2 + J2 dy
		Jo	$\frac{(X-2+J2)}{2+J2-2+J2} d_X$
		10	
		= 10 e-x	$\frac{\chi-2+\sqrt{2}}{2\sqrt{2}}$ dx
		= 1	$e^{-x}(x-z+J\overline{z})dx$
		252).	$e^{-(\chi-2+32)} \alpha x$
		1 , 00	
		= 1	$e^{-x} \times dx - 2 \int_{0}^{\infty} e^{-x} dx + \int_{0}^{\infty} z e^{-x} dx$
		272 Jo	partes
		1 (0)	$(e^{-x}) - 2(e^{-x}) + 5z(e^{x}) _{o}^{\infty}$
		2 /2	
		_ < ,	
		$\frac{1}{2}\frac{\mathcal{Q}}{2\sqrt{5}}$ $(\chi -$	$2+\sqrt{2}$
		202	
		- /-e°(0-2+52)
			$\left(0-2+52\right)$
	W1 =	$= \sqrt{2} - 1$ ≈ 0.1464	/23/2
	W ₄ :	~ 0. 1462	

* Paya W2	
$w_2 = \int_0^\infty e^{-x} \left(\frac{x - \chi_1}{x_1 - x_1} \right) dx$	
Reemplatando raices X1 y X2	
$W_{1} = \int_{0}^{\infty} e^{-x} \left(\frac{\chi - (2+\sqrt{2})}{(2-\sqrt{2}) - (2+\sqrt{2})} \right)$	dx
$= \int_{0}^{\infty} e^{-x} \left(\frac{x - 2 - Jz}{2 - Jz - Jz} \right)$) dx
$= \int_{0}^{\infty} e^{-x} \left(\frac{\chi - 2 - Jz}{-2Jz} \right)$	dx
$=\frac{1}{-2\sqrt{2}}\int_{0}^{\infty}e^{-x}(x-2)$	
$=\frac{1}{-2\sqrt{2}}\int_{0}^{\infty}e^{-x}\times dx-2\int_{0}^{\infty}$	$e^{-x}dx - \int_{0}^{\infty} e^{-x}dx$
$=\frac{1}{-2 J_2} (xe^{-x} - 2e^{-x})$	5ze-x) 0
$= e^{-x}(x-1-5z)$	
$= \frac{e^{\circ}(0-1-5z)}{z \cdot 5z}$	
$W_2 = \sqrt{2} + 1$ $2^{3/2}$	
$W_{i} \approx 0.8535$	

