$$X(s,t) = \frac{1}{4} \left[(1-s)(1-t) \times_1 + (1+s)(1-t) \times_2 + (1+s)(1+t) \times_3 + (1-s)(1+t) \times_4 \right]$$

$$y(s,t) = \frac{1}{4} \left(\frac{(1-s)(1-t)}{1-s} \right) + \frac{(1+s)(1-t)}{2}$$

$$(1+s)(1+t) + \frac{(1-s)(1+t)}{2} + \frac{(1-s)(1+t)}{2} + \frac{(1-s)(1+t)}{2} + \frac{(1+s)(2)}{2} + \frac{(1+s)(1)}{2} + \frac{(1+s$$

$$|0,15| = \begin{cases} \cos \frac{5}{2} ds \\ Analytically & (exact) \end{cases}$$

$$\int_{-1}^{1} \cos \frac{5}{2} ds = 2 \sin \frac{5}{2} \left[-\frac{1}{2} \right] ds$$

$$= 2 \sin \frac{1}{2} - 2 \sin \left(-\frac{1}{2} \right) ds$$

$$= 1,917702$$

$$M=2 \qquad W_1 = W_2 = 1$$

$$X_{1;} X_{2} = \frac{1}{2} \cos (2\pi - \frac{1}{2}) \cos (2\pi - \frac{1}{2})$$

= 1.917703

4)
$$\int_{-1}^{1} \cos s \cos t \, ds \, dt$$

$$N=1 \ (1\times1)$$

$$V=1 \ (1\times1)$$

$$V=2 \ (1\times1)$$

$$V=3 \ (1\times1)$$

$$V=3 \ (1\times1)$$

$$V=2 \ (2\times1)$$

$$V=3 \ (1\times1)$$

$$V=4 \ (1\times1)$$

$$V=3 \ (1$$

$$N = 3 \qquad W_{1} = W_{3} = \frac{3}{4}, \quad W_{2} = \frac{3}{4}$$

$$X_{1}, x_{3} = \pm \frac{3}{3}, \quad X_{2} = 0$$

$$T = \underbrace{\frac{3}{4}}_{1=1} \underbrace{W_{1}, W_{2}}_{1=1} \underbrace{W_{2}, W_{3}}_{1=1} \underbrace{W_{3}, W_{4}}_{1=1} \underbrace{W_{2}, W_{3}}_{1=1} \underbrace{W_{3}, W_{4}}_{1=1} \underbrace{W_{2}, W_{3}}_{1=1} \underbrace{W_{2}, W_{3}}_{1=1} \underbrace{W_{3}, W_{4}}_{1=1} \underbrace{W_{2}, W_{3}}_{1=1} \underbrace{W_{2}, W_{3}}_{1=1} \underbrace{W_{3}, W_{4}}_{1=1} \underbrace{W_{2}, W_{3}}_{1=1} \underbrace{W_{2}, W_{3}}_{1=1} \underbrace{W_{3}, W_{4}}_{1=1} \underbrace{W_{3}, W_{4}}_$$

(8/4)(8/4) cisto)costo)

I = |2,833|

Exact = 2.8323