Sayour c ogresson

=
$$\int (N_4 \times h^2 - 2y_0 h^2 + h^2) dx = \int h^2 dx + xh \int_0^1 - \int h^2 dx + h \int_0^1 - h^2 dx > 0$$

y(3)=9C1+C2/9-3=15 DF = -29+6=0 =1 y'(1)=3 OH = 89 enx - 5x9, - 6x =1 A0=5x5-x Y(1)=2(1x-2 = 2(1-2(2-1-) Me Cy (127 / M/2)=0 C1-(2=2 12= I(30+14) - I(30) =](8(30+14)(33+12) cnx-x(33+12)+6x(33+12) --82029px-x29,0x2)qx= (8(20,+29,44)prx-x(52)y-1/3)+ +6xh) dx = -]xh2dx+8(yoh+472)enx/2-3/8(yoh+43/2)dx+ $e^{x-5x\lambda_{2}-e^{x-5x}(Ax-1)-8x-8x_{3})}$; $\frac{x}{p\pi^{2}p}$ = 8(5x-1)p + $\frac{x}{3}(e^{x}p^{2}-8x_{3})$; $\frac{x}{p\pi^{2}p}$ = 8(5x-1)p + $\frac{x}{3}(e^{x}p^{2}-8x_{3})$; $\frac{x}{p\pi^{2}p}$ = 8(5x-1)p= $-\frac{3}{3}(xk^2 + \frac{x}{3}k^2)dx + (8x - 8x)h(3 = -3)(xk^2 + \frac{x}{3}k^2)dx \le 0$ ΔJ=0: N=N=0 =1 yo-cupous uunc. Rp. I(y)=1/(y2+yy)dx, y(0)=0 8,= (59,42) : 59,40=0,40 : A,=C : A=C*+C1: A(0)=0 -> C+=0 29+9/x=1=0; 29(1)+9(1)=0; 26(C=0, C=0=) gar. Durming NECCO'17 , MO)-0 12=1[((y)+12)2+(y)+12)(y+12)-y22-y-y6)dx-1[(2y6h)+122y6h)+ + 46h+hh)dx = [(h'2+hh)dx =] h'dx + h2 | =] h'dx + h2(1) >0 1]=0: h=0 h(x)=0 h=const =1 h=0 - comports make

(020 morse coologues)

Bosar reserver - Jas mars & osone reserve 30 an ob-c

13 menumerume

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$$\begin{cases} \int_{0}^{1} x^{3} dx = 0 \\ \int_{0}^{1} (x^{2} + x^{2}) = 1 \\ \int_{0}^{1} (x^{2} + x^{2}) = 1$$

 $h \in C^{1}[1,2]$, h(1) = h(2) = 0, 2 + h dx = 0 $\Delta J = J(y_{0} + h) - J(y_{0}) = \int_{1}^{2} x(y_{0} + h)^{2} - xy_{0}^{2} dx = \int_{1}^{2} (2xy_{0} h)^{2} h^{2} dx = 2 \int_{1}^{2} h^{2} dx + 2 \int_{1}^{2} h^{2} dx = 2 \int_{1}^{2} h^$

Redon c forcuran

1J=0=1 h=0 =1 yo-cupont unuc.