n=4 7)={2 ex dx a)aproximax la integral con la regla compresta de simpson solvain: n-4, calculames Xo, X1, X2, X3, X4 h= 9-6 = 7-2 = 7 = 0.25 xi= ati.n X0=7 X7=7.25 X2=7.5 X3= 7.75 X4=2 formula

h [F(x)+f(b)+ 4P(x1)+2F(x2)+4F(x3)] (2 et dx 1 2 + e2 + 4. e7.25 + 2. e7.5 + 4. e7.75 x 72 7 2 7.25 7.5 7.75 $\frac{7}{72}(36.77087037) = 3.059239793$ 6) estimar el error $|E| \leq (6-a) L^{q} f^{q}$ $\frac{180}{180} = e^{x} = (x^{q} - 4x^{3} + 72x^{2} - 24x + 24)$ /E/= (2-D) 44 24 = /1 E/ = 0.0028

