1 secondago Scribe Float Fx (Float x) Felarar a = +2, b = 2, h = 0.25, n, x[n], Fpo[n], Fpo[n], Fpo[n], sda[n], sdb,[n], sdc[n],i For i = 0 hasta n Primeros diferencias x[i] = a + i + h Finitas Adelante, atrás, centrala For i= o hasta i=n FOOCIJ = F(X(H)) - F(X(i)) Segunda diferencia Fpb[i] = F(x[i])-F(x[i-1]) sdb Finita Sdc V Arras, adelane, centrala FOC[i]= F(x[i+1])- F(x[i-1] Imprimir "Frimera derivada" Imprime "x Adelante Atrás Centrada", «[i], Fpa[i], Fpa[i], Fpa[i], Fpa[i], Fpa[i], Fpa[i] For i=0 hasta i=n sda[i] = F(x[:+2]) - 2 = (x[:+1]) + F(x[:]) sdb[i] = F(x[i-2]) - 2*F(x[:-1]) + F(x[i]) sdc[i]= F(x[:+1]) - 2* F(x[i]+ F(x[i-1]) Imprimir "Segunda derivada" Imprimir x Adelante Atrás Centrado , x[i], sobli], sobli], sobli] Float Fx (Float x regresor x x x x x - 2 = x + 4

l'iagrama de Flujo INICIO Teclarar Función Float Fx (Float X 'Sclarar int i Moat a = - 2, b = 2, h=0.25, x[n], Fpa[n], Fpd[n] Foc[n], sda[n], sdb[n], sddn int n= (int) (b-a) /b) +1 Inicializar For i=0 hastan x[i] =ati*h Og Da For 1=0 hastan Foolig=FC([i+1])-FC([i])/h FOL: 3 F ([[:1]) /h Fac[1]=F(x[:+1])+F(x[:-1]/2=1) Imprimir Primera derivado Imprimit x 17 Footil Folia Forti For i = 0 hasta i 500[]=FC(1+1)-2"F(x(1+1))+(x(1)/63 Sdb[i]=F(x[i-2]) - 2*F(x[i-i])+F(x[i])/h3 5d[i]=F(x[:+1])-2*F(x[:])+F(x[:-1])/b3 Imprimir "Segunda derivada" Incrimir x [i] sola[i] solb[i] cotif Float Fx (Float x) FIN regresor x *x *x -2 *x+4