Loura I with Martinez Fract Segunda deriunda con solo 2 puntos Treconda Finita hada attas  $F(x_{i-1}) = F(x_i) - F'(x_i)(x_{i-1} - x_{i-1}) + F''(x_i)(x_{i-1} - x_{i-1})^2 + o(x_i)^3$ F(x:-2)=F(x;)-F(x;)(x;-x:-2)+F"(x)(x;-x:-2)=+0(-1)3 Xi+2 Xi-1 Xi Xi+1 Xi+2 Multiplicando la primera equación por 2 para ellmitar terminos -2F(x; 1) = -2F(x;)+2F'(x)+-2F"(x;)h3 + 0(~h3) F(x;-2)=F(x;)-F(x)(2h)+F"(x;)(2h)2 F(x;-2)-2F(x;-1)=-F(x;)+2F"(x;)h2 + O(h2) +0(h) F"(x1)=F(x;-2)-2F(x;-1)+F(x)+ah Viceroscia Finita contrada Sumando los ocuaciones Evitas haca atoris y adelante F(x;+)=F(x;)+F'(x;)(x;+1-X;)+F'(x;)(X;+1-X;)2 + 0 (x;+1-X;)3 F(x:-1)=r(x:)-r'(x:)(x:-x:-1)+r"(x:)(x:-x:-1) - 0(x:-x:-1)3 F(x;+1)+F(x;-1) = 2F(x;) + 2F"(x;)(h)2 F'(x;) = F(x;+1) + F(x;-1) - 2F(x;) + O(h3) F"(x;)=F(x;+1)+F(x;-1)-2F(x;) +0(h2)

