STQQSSD	//
CN-Resumo	-algorithms (
Minimos Quadrados	- [25]
g(x) = a, g,(x) + + akgk(x)	1 11
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
Yn gillo - giello yn	12
$g_1 \Sigma g_1^2 \Sigma g_1 g_k = \Sigma g_1 y_1$ $g_K \Sigma g_1 g_k - \Sigma g_k^2 = \Sigma g_k y_1$	
Interpolação Polinomial.	
1) \ \ \a_0 + \a_1 \to + \a_2 \to^2 + \dots + \anxo^n = y_0	notwold (5.
$\frac{1}{\sqrt{20+\alpha_1X_n+\alpha_2X_n^2+\cdots+\alpha_nX_n^n}} = y_n$	
Exemplo: interpologio polinomial quadrática:	
	$\begin{array}{c c} a_0 & y_0 \\ a_1 & y_1 \\ a_2 & y_2 \end{array}$

STQQSSD 2) Lagrange EXEMPLO: P3(x) = yolo(x) + y, L1(x) + y, L2(x) + y3 L3(x) 0 (X) = (X-X1 (X-X2)(X-X3) (Xo-X1) (Xo-X2) (Xo-X3) $\frac{1(x) = (x-x_0)(x-x_2)(x-x_3)}{(x_1-x_0)(x_1-x_2)(x_1-x_3)}$ < K < n . (=0,1 ..., n-k $\frac{1(x) = \nabla_0 + \nabla_0 (x - x_0) + \nabla_0^2 (x - x_0)(x - x_1)}{1 + \nabla_0^n (x - x_0)(x - x_1) \dots (x - x_{n-1})}$ DE TRUNCAMENTO $R_n(f;x) | \leq |x-\infty|$ spirali

T loopel	
Integral.	
1) Somor de Riemann	
$\sum_{i=1}^{n} f(c_i) \cdot \Delta x_i$	nt g
i=1	
a posicionomento de Ci = esqueros, contro, direita.	
2) Tropégios (2 pontos) Etrap (h-1).h3 mx f"(c)
Λ (Q) 1 1 2	
$AT = (BTB) R$ $C \in [X_1, X_n]$	
3) 1/3 de Simpson- (3pontes) h= 6-a)	
no de nombre	
I=h (yo+ 4y1+y2)	
4) 3/8 de Simpson (4pontos)	1 A ²⁰
4) 5/8 de 3/mpson (170110.	18
$\frac{J=3h(y_0+3y_1+3y_2+y_3)}{8}$	
Formal ((n-1) h mix + (c) ; ce[x	i, Xn]
$\frac{\left \left(\frac{1}{80}\right)^{1/3}}{\left(\frac{1}{80}\right)^{1/3}} \left(\frac{1}{1}\right) \left(\frac{1}{1$	1) XII.
the use of 30 chizar 80	
	niral'