Tespeno o cymon Transpui : $f \in C^2 \text{ Ed, b3}$ | Buspano goodnemme $d \ge x_0 \ge x_1 \dots \ge x_n + x_b$ $= C^2 \text{ Ed, b3}$ | $E_K = \frac{x_{K-1} + x_K}{2}$ | ETorgot: $\int_{\kappa=0}^{\infty} \frac{f(v_{\kappa-s}) + f(r_{\kappa})}{2} \cdot (x_{\kappa-s} - x_{\kappa-s})$ $\leq \frac{5^2}{8} \int_{\kappa=0}^{\infty} |f(x)| dx$ Dok-bo;

A pacconotion unterpair la guar otperese gradient; X_{k} X_{k} $= f(x) (x-\{x\}) \begin{cases} x_{\kappa-1} \\ x_{\kappa-2} \end{cases}$ $= f(x) (x-\{x\}) \begin{cases} x_{\kappa} \\ x_{\kappa-1} \end{cases}$ $= f(x) (x-\{x\}) \begin{cases} x_{\kappa-1} \\ x_{\kappa-2} \end{cases}$ $= f(x) (x-\{x]) \begin{cases} x_{\kappa-1} \\ x_{\kappa-2} \end{cases}$ () (((xx) = {(xx-1) (x-{x}) (== (f(xx) = f(xx-s)(x-1-)x) f(xx) (xx-(x) - f(xx-s)(xx-1-)x = f(xx) xx - f(xx) xx + f(xx-s) xx-5 = f - f(xx-1) Sx = $\frac{f(x_{k},x)+f(x_{k})}{2}\cdot(x_{k}-x_{k+1})-\int_{x_{k+1}}^{x_{k}}f(x_{k})\cdot(x_{k}-x_{k+1})$ 4 (x) (XK-X)(X-XK-?) XX-7 XX YE [Xx-1, Xx] = {Xx.x-1 = {x2+ xxx-1} = Boy me roje to sto your budern! = -1x +xx+xx-2 =>= 1 4(x) = x-&x u=f'(x) => u = +"(x) (1) $\frac{1}{2}$ (f'(x) $\psi'(x)dx = 0$ now the wallow; V = ψ(x) => V = ψ(x) κ (cem is getabato 6 4(x))

Teneps nopasoraen cuanaran: $\int f(x) dx - \sum_{k=0}^{\infty} \frac{f(x_{k-1}) + f(x_{k})}{2} \cdot (x_k - x_{k-1}) = \left| \int_{\alpha}^{\alpha} \frac{x_k}{x_{k-1}} \sum_{k=0}^{\alpha} \frac{f(x_k) dx}{x_{k-1}} - \frac{1}{\alpha} \right|$ $=\frac{\sum_{k=0}^{N} \frac{f(x_{k-1}) + f(x_{k-1})}{2} (x_{k-1} - x_{k-1})}{\sum_{k=0}^{N} \frac{f(x_{k-1}) + f(x_{k-1})}{2} + f(x_{k-1})} = \frac{1}{2} \sum_{k=0}^{N} \frac{f(x_{k-1}) + f(x_{k-1})}{2} + f(x_{k-1}) + f(x_{k-1})}{2} = \frac{1}{2} \sum_{k=0}^{N} \frac{f(x_{k-1}) + f(x_{k-1})}{2} + f(x_{k-1}) + f(x_{k-1})}{2} = \frac{1}{2} \sum_{k=0}^{N} \frac{f(x_{k-1}) + f(x_{k-1})}{2} + f(x_{k-1}) + f(x_{k-1})}{2} = \frac{1}{2} \sum_{k=0}^{N} \frac{f(x_{k-1}) + f(x_{k-1})}{2} + f(x_{k-1}) + f(x_{k-1})}{2} = \frac{1}{2} \sum_{k=0}^{N} \frac{f(x_{k-1}) + f(x_{k-1})}{2} + f(x_{k-1}) + f(x_{k-1})}{2} = \frac{1}{2} \sum_{k=0}^{N} \frac{f(x_{k-1}) + f(x_{k-1})}{2} + f(x_{k-1}) + f(x_{k-1})}{2} = \frac{1}{2} \sum_{k=0}^{N} \frac{f(x_{k-1}) + f(x_{k-1})}{2} + f(x_{k-1}) + f(x_{k-1})}{2} = \frac{1}{2} \sum_{k=0}^{N} \frac{f(x_{k-1}) + f(x_{k-1})}{2} + f(x_{k-1}) + f(x_{k-1})}{2} = \frac{1}{2} \sum_{k=0}^{N} \frac{f(x_{k-1}) + f(x_{k-1})}{2} + f(x_{k-1}) + f(x_{k-1})}{2} = \frac{1}{2} \sum_{k=0}^{N} \frac{f(x_{k-1}) + f(x_{k-1})}{2} + f(x_{k-1}) + f(x_{k-1})}{2} = \frac{1}{2} \sum_{k=0}^{N} \frac{f(x_{k-1}) + f(x_{k-1})}{2} + f(x_{k-1}) + f(x_{k-1})}{2} = \frac{1}{2} \sum_{k=0}^{N} \frac{f(x_{k-1}) + f(x_{k-1})}{2} + f(x_{k-1})}{2}$ aparien un supedenum ce u gase been Ca, 67 $= \left| \frac{1}{2} \int f''(x) \psi(x) dx \right|$ Teneps onorms nonographe by by summer $\psi(x)$: $\psi(x) = (x_{\kappa} - x)(x - x_{\kappa-1})$ = notwienium & ceptegeere ($\{\epsilon\}$) => $\psi(\{\epsilon\}) = [x_{\kappa} - x_{\kappa})(x_{\kappa-1}) = (x_{\kappa-1} - x_{\kappa-1}) = (x_{\kappa-1} - x_{\kappa-1})$ $= \left(\frac{x + x_{\kappa-\delta}}{2} \right) \left(\frac{x_{\kappa-\lambda_{\kappa-\delta}}}{2} \right) \left(\frac{x_{\kappa-\lambda_{\kappa-\delta}}}{2} \right) = \frac{1}{4} \left(x_{\kappa-\lambda_{\kappa-\delta}} \right)^2$ = UCX) \ \ \frac{1}{462} \, T. K. 6 - Marc. 07. $\int \frac{1}{8} \left| \frac{1}{8} f(x) dx \right| = \frac{1}{8} \int \frac{1}{8} |f'(x)| dx$ Mitid.

Popular Direct - Markerpera (Moraequini Cagneti)

Min to 2 $f \in C^2 Em, n \supset (X)$ Torefor: Et $f(x) dx = \sum_{k=m}^{n} f(x) \{x\} (1-5n\} dx$ Supariume Moraequine $C = \sum_{k=m}^{n} f(x) \{x\} (1-5n\} dx$ (X) - Mocro xapar zamus (XX) -> Coë bornezaex us ujumos impaneisais, m. K. Bujipa charasubie yeurionia.