Homework 51:

- De Court ette graph paint bo get ette left and sight occiman enn approve
- 2 Ln=f(to) At+f(ti) At f(tn+) At Rn=f(ti) At+f(t2) At f(tn) At enfur to the table:

N=4: Lu=6(39+38+35+31) Ru=6(38+35+31+29)

N=Q: Ln= 12(39+35) ? -1 Rn=12(36+29) (

- 3 $V(t) = \frac{8}{a+t} : \Delta t = 0.2$ $0 \ 0.2 \ 0.4 \ 0.6 \ 0.8 \ 1$ $Lu = 0.2(\frac{8}{2} + \frac{8}{2.2} + \frac{8}{2.4} + \frac{8}{2.6} + \frac{8}{2.8})$ $Ru = 0.2(\frac{8}{2.2} + \frac{8}{2.4} + \frac{8}{2.6} + \frac{8}{2.8} + \frac{8}{3})$ $Lu \approx 8.88$; $Ru \approx 3.11$; $A \approx 3.24$
- (y) $f(x) = \frac{1}{2}$, $\Delta t = 0.5$; [2,4] [2

- ∃ f(u) = √6u; Δt = 1; [0,4] Lu = 1(√6+√12+√18+√0) ≈ 10.166 underetiniate Ru = 1(√6+√12+√18+√24) ≈ 15.056 enrecetiniate $M_4 = 1(√6(3)+√6(3)+√6(2.5)+√6(2.5))$ ≈ 13.1876
- This is $\sqrt{\frac{1}{2}}$ $\sqrt{\frac{2+7i}{n}}$; early elict $f(n) = \sqrt{2+n}$ A = 0; B = 7