Leilnig's formula general cose $F(x) := \int_{a(x)} f(x, t) dt$ as x changes to x + Ax: O lower limit becomes a(x+Ax)=a+Aax a+ da AX 2) upper limit becomes be(x+sx)= l + ab 2 l + fb-sx 3) integrand charges to $f(x + \Delta x, t) = f + \frac{\partial f}{\partial x} \cdot \Delta x$ F(x, t) alarda & brab $F(x+\Delta x) = \int f(x+\Delta y,t)dt = \int f(x+\Delta x,t)dt + \int f(x+\Delta y,t)dt + \int f(x+\Delta y,$ P(x+2x) ~- 10. f(a(x),t)+ (6+8+2x) H+ Ab. f(l(x),t) $\frac{F(x+\Delta x)-F(x)}{\Delta x} \approx -\frac{\Delta a}{\Delta x}, f(a(x)+) + \int_{0}^{2\pi} dt + \frac{\Delta b}{\Delta x}. f(b(x)+)$ 1 = da. f(a(x),t) + th. f(l(x),t) + Jok dt