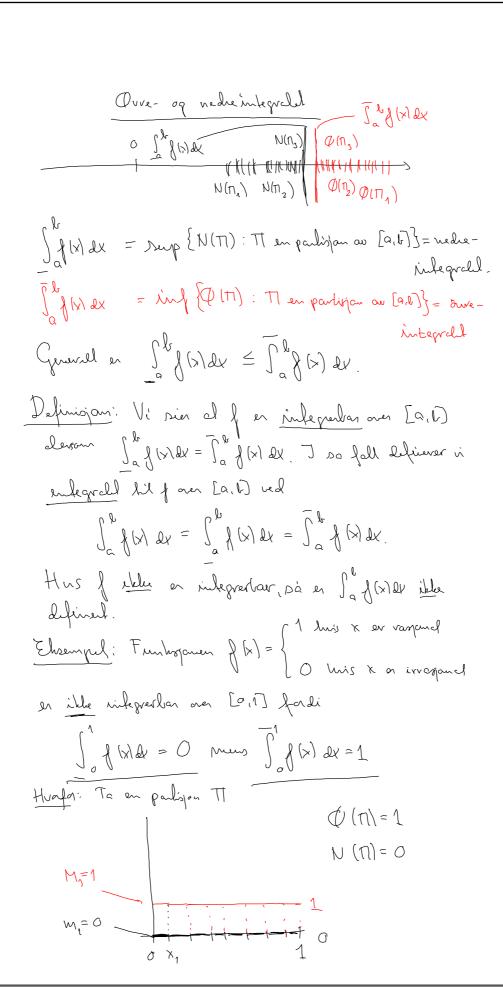


sep 30-12:35



JPPSummering. Ne die integrale = lede til norming nedenfra = Sup{N(t1): TI en parl } = [a](x)de Ouve integrale = liste filmanni, senfra så luge fer - mf { \$\Phi(\pi) : \pi on pant } = \int_{\alpha} f(\times) dx Dire okusten lestandig tog Ja & (X) DV = Ja & (X) DV Derson Jakarde - Jakarder og de definerer ~ $\int_{a}^{b} g(x) dx = \int_{a}^{b} f(x) dx = \int_{a}^{b} f(x) dx$ Olsewagen: Derson i han Ø(T)-U(T) sa liter i will owne ud à volge TI smart, sà en f integrertair. Salving: Pula al f: [a,l] - R en mondon. Da en of interestan over [a, b] Beis: La The vone parligamen i fair red à de ins [a, l) i n like slow interveller

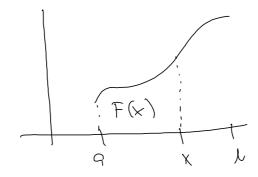
[Th) PITH-N(Th) f(b)-f(a)

 $(10) - 100 = (10) - 100) \cdot \frac{b-9}{n} \rightarrow 0 \text{ via } n \rightarrow 0$ F'clgelig on finlegrerbar!

sep 30-13:37

Analyseus fundamentalteann: Hus J: [a,b] - R en hantimerlig, Dà a f integrentar pà alle ristervall [a,t] for entre X e [a,b], of fundamen

 $F(x) = \int_{\alpha}^{x} f(t) dt$ er harlinnelig med derived F'(x) = f(x) i elle $x \in (\alpha, b)$.



$$\text{In}(x) = \text{In}(x)$$