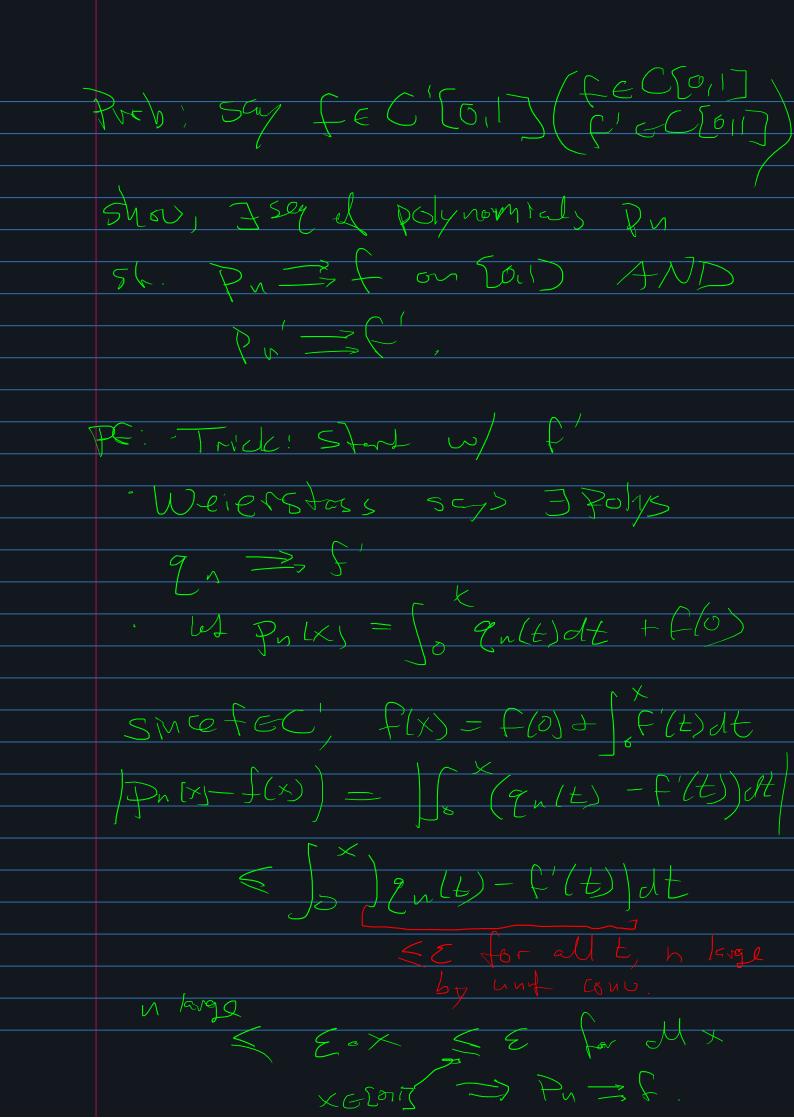
18. If A is either open or closed, show that bdry(A) is nowhere dense in M. Is the same true of any set A? Shirlerex) (2 C) C not open dosed 202-12 deuse Say John Cosed Say MCINT(JA) open Continal in 2A (Since this fail) For Q have to 48L open Closedness J A by justify) recalis A=A · A Appen A = A 1 a > Mopen in DA, MA= Ø expain why this => 1 = 0 osame (ish) idla le A=A



Challengg; A fe Cocololl, show

The polys show

Key of the cocololly show

The cocolol Q: f: 5011) -> R cts 50ppose $\int_{\mathcal{O}} f(x) x' dx = 0 \quad \forall n \approx 0$ +/F: $+\equiv 6$ Weierstras might help. JPlys Pu = f by Weleshuss. hypothesis (X) $\frac{1}{D} = \int_{S}^{1} f^{2}(x) dx \longrightarrow \int_{S}^{1} f^{2}(x) dx$ $\Rightarrow \int_{X} \int_{X} (x) dx = 0$ Use continuly of the show find find

