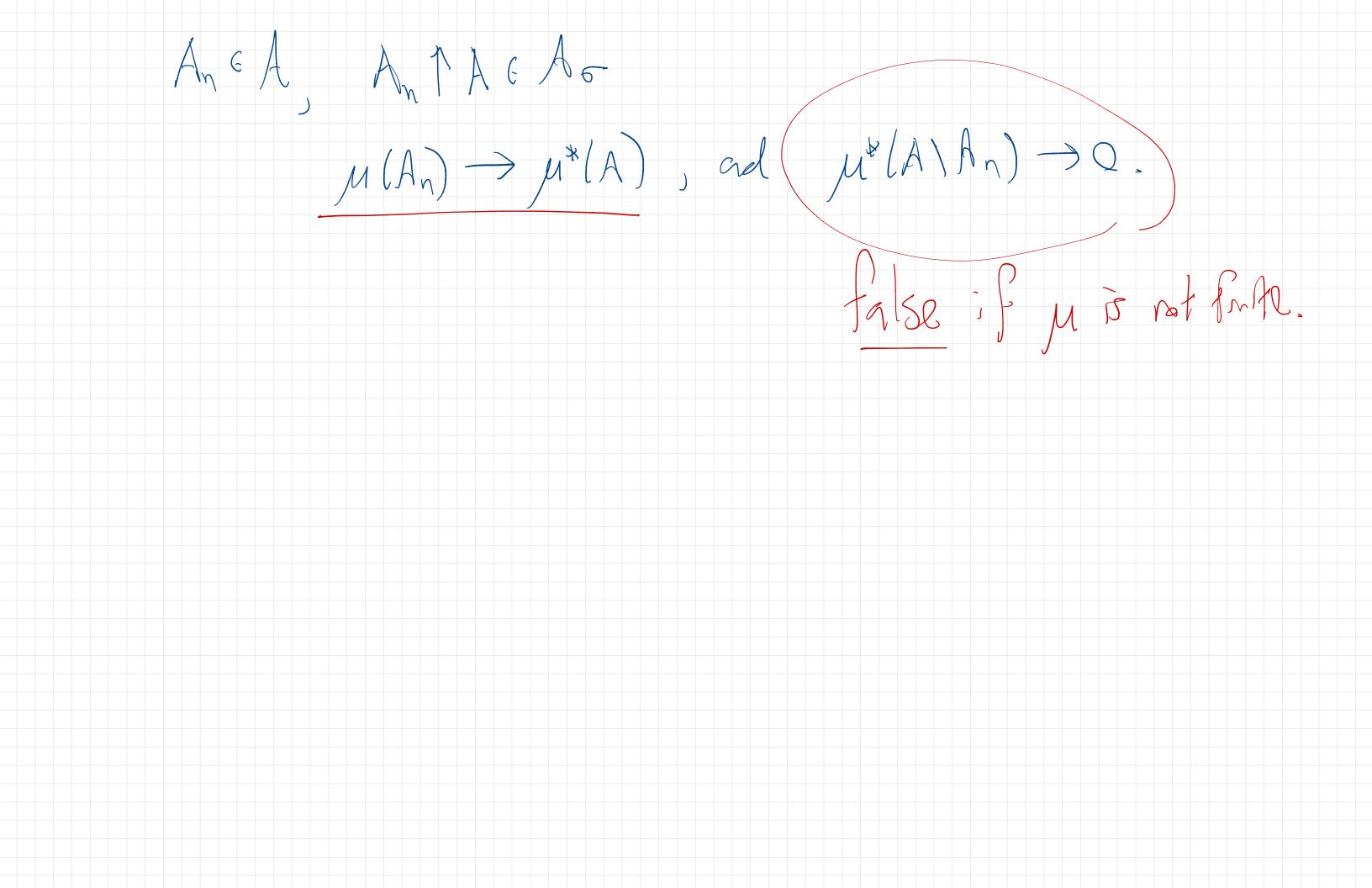
## MATH 280A: Probability Theory I Tuesday, October 15, 2020

\* Video Lectures: 41,42,43 posted on YouTube

## \* HWZ: Due Monday, October 19, 9pm.

4) Former Problem 5 removed; reserved to HW3. 4) New Problem 3 added.

\* Zoom Hour: Didn't happen last night (internet problems) 5 Try tonight: Thursday, 10/15, 8:30-9:30pm PT.



If X is gronempti set in IR, dz infX, , there must axist as X MK(F)  $\mathcal{T}$  For any  $\mathcal{E}$  >0,  $\exists \mathcal{X}_{6} \times s.t.$   $\mathcal{X} \leq \mathcal{Q} + \mathcal{E}$ (Otterwise, QTE would be a lower boul for X.  $X = inf X \ge 0.1E$ glbX





