Timothy Baker CS 517 9/20/2017 Machine assignment I # Problem 4: $\gamma_n = \int_{-\infty}^{\infty} t^n e^{-t} dt, n = 0, 1, 2, ...$ · Yo= Stet dt Yo = -e-t / Yo = -e -- e 70 = -1 + 1 (= Bare Case Y = (tetdt Y = -te-t 1 + 9 +e -t dt Y, = - tet | + So Yodt 7, = f(1)e - 0 + (-1 + 1)

mill always be

300 except when

$$\frac{1}{\sqrt{1-\frac{1}{e}}} = \frac{1}{e} + \frac{$$