CHAPTER 2 PROBLEMS ADVANCED BASSE PROBLEMS

40 141 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

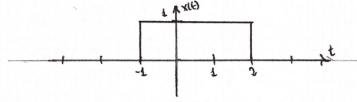
2 ho.

c) Consider on LTI system with input and output related by yith fet-c) x(2-2) dc.

What is the input impute response?

$$\int_{0}^{\infty} d^{2}(t-2) \times (C-2) dZ = \int_{0}^{\infty} (C-2)$$

b) betermine the response to this subjects eignal.



 $y(t) = \int_{0}^{t} e^{-(t-z)} u(z-2+1) u(\lambda-z+2) dz = \begin{cases} \int_{0}^{t} e^{-t+z} dz & \text{if } t < t < t \\ \int_{0}^{t} e^{-t+z} dz & \text{if } t < t < t \end{cases}$