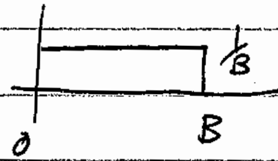
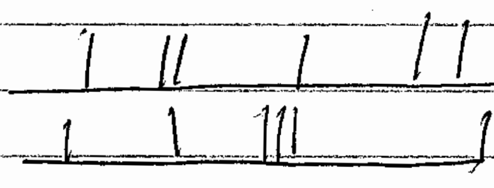
Point Processes 1 – 8 HW

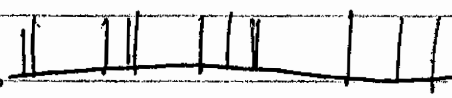
1. Let $p(t) =$  , a renewal density.

(A) Find $\hat{p}(\omega)$. (B) Find the hazard function $h(t)$.

2. Say $p_1(t)$ and $p_2(t)$ are the renewal densities for renewal processes.

p_1:
p_2:



Is the superposition,  a renewal process?

If so, what is its renewal density?