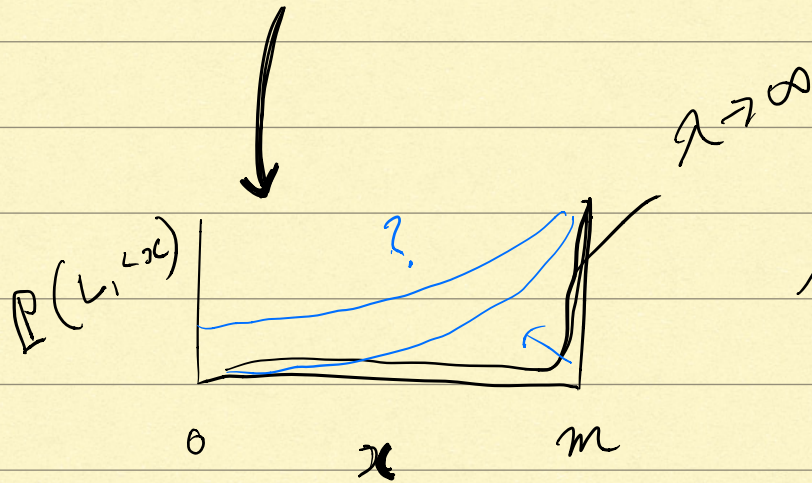
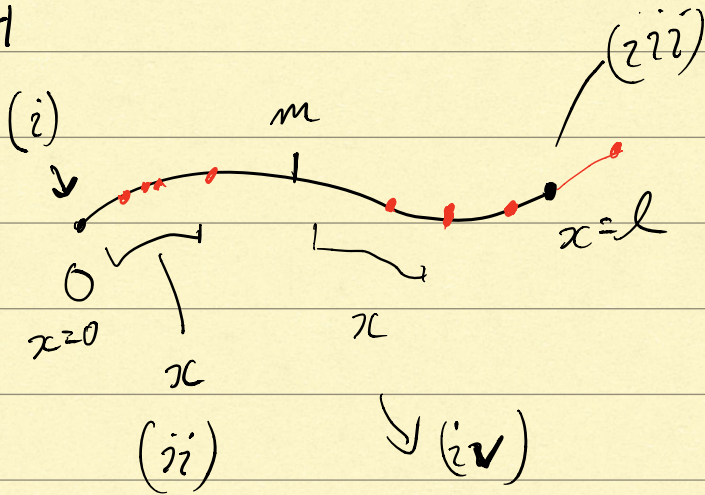
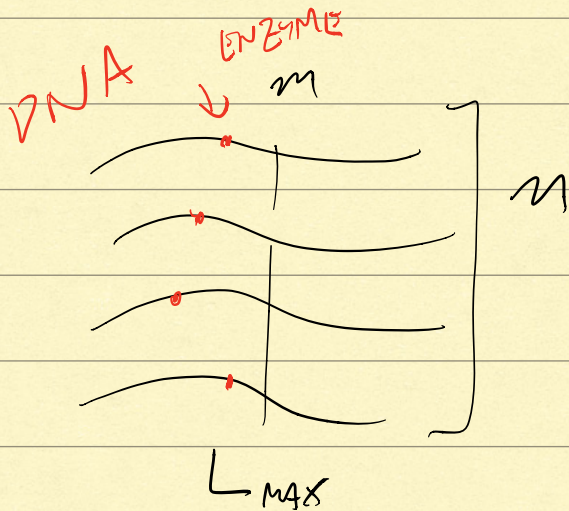


PS4



As $\pi \rightarrow \infty$

$$P(L_1 \leq x) = \begin{cases} 0 & 0 < x < m \\ 1 & x = m \end{cases}$$



$$P(L_{max} < x)$$

$$= P(L_1 < x \text{ AND } L_2 < x \text{ AND } \dots L_n < x)$$

$$= P(L_1 < x) \cdot P(L_2 < x) \cdot \dots P(L_n < x)$$

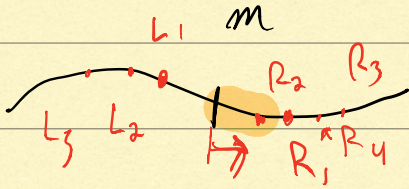
METHOD

INDEPENDENT

INDEPENDENTLY
DISTRIBUTED

$$= \left(\mathbb{P}(L_1 \leq x) \right)^n$$

METHOD
2



$\min(R_i)$

1 POISSON with
RATE $n\lambda$