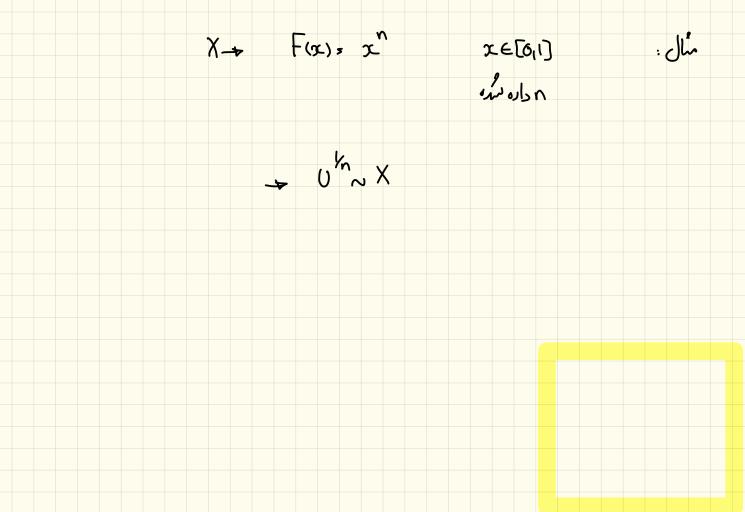
معسرها / ليوسة

الستاده لزمايع واردن.

مَا بع يوز بع F → X

U: mif [0,1]

F-10) ~X



$$X_{i} \sim \mathcal{E}_{x} p(\lambda)$$
 i.i.d  
 $X_{i}, X_{i+1} \times X_{2}, X_{i+1} \times X_{3}, \dots$   
 $S_{i} S_{2}$   $S_{3}$   
 $\# \begin{cases} i ; o \leq S_{i} \leq t \end{cases} \sim Pois(At)$   
 $\sharp \Rightarrow \# \begin{cases} i ; o \leq S_{i} \leq t \end{cases} \sim Pois(A)$   
 $Mosc \end{cases} S_{i} \leq t \end{cases}$ 

[0,1] i, mée

Pois 
$$(\lambda)$$
 ~ Max  $\{n; \sum_{i\neq i} X_i \leq i\}$   $X_i \sim \text{Eap}(\lambda)$  ~ Max  $\{n; -\frac{1}{\lambda} \sum_{i\neq i} \ln U_i \leq i\}$  ~ Max  $\{n; \sum_{i\neq i} \ln U_i \geq -\lambda\}$  ~ Max  $\{n; \frac{\pi}{U_i} \cup i \geq e\}$