





$$igoplus University bause le out $\times \in [0,6]$ ($T \in (1^\circ,5^\circ)$)$$

$$\bigoplus$$
 $f(x)$
 $\int
f(x)dx$

Definitive X e (ascomonno) hengenbenania myr.ben, and $\exists fx : \mathbb{R} \longrightarrow \mathbb{R}$, usavaba te a) $f_{x}(x) \ge 0$ $\forall x \in \mathbb{R}$ $f_{x}(x) = 0$ f_{x

$$\bigoplus_{b \in [0,1]} M = 100 000. X, \text{ kbgenso facusparobaternansa obupma e eyenna, te X yanema cusocinomism } \begin{cases} 6(0,1) & \text{u ama unausunocus} \\ f_{X}(x) = \begin{cases} 0 & \text{unare} \end{cases} \end{cases} \begin{cases} 5(1-x) & \text{x e}(0,1) \\ 0 & \text{unare} \end{cases}$$

$$\#(M > 10 000) = \#(100 000. X > 10 000) = \#(X > \frac{1}{10}) = \begin{cases} 1 & \text{yold} \\ 0 & \text{unare} \end{cases} \end{cases} \begin{cases} 1 & \text{yold} \\ 1 & \text{yold} \end{cases} = \begin{cases} 1 & \text{yo$$

Interpresente leva X e neupon ben (UCB). Tronaba 1P(X=c)=0 $\forall c \in \mathbb{R}$. Chegobaseumos $1P(X \in [a,6])=1P(X \in [a,6])=1P(X \in [a,6])$ $\forall -\infty < a < b < +\infty$