dolranced (Aahi	shies - Intainel 02/05/2021	
Nypokusis ksts		
gueral setting:		
· 4 6 52 mm		
	(a) random rample with density $f_{x_1 v}(x)$ under P_v $\Omega = \Omega_v i \Omega_v$	
P 0	mell hypothesis alknotive hypothesis	
	Ho: 2 6 20 Ho: 2 6 20	
Sock: decide	between Ho and Hy, i.e. determine <u>critical region</u> C o.A.	
	XEC => reject Ho (sucept H1)	
Johnhol dec	X E (=) retain to (right th)	
	Ho is some ! Ho is some	
	Reject He Type I evan	
Constraints:	Reject Ho Type I evan ! Type II evan mp Pro (X 6 C) = a (H)	
Constraints:	Reject Ho Type I evan ! Type II evan ! My Pro (X 6 C) & a (H)	
Constraints:	Reject He Juga I evan ! V Leapt Ho V Juga II evan mp Pr (X 6 C) = a (H) refer house level	
Constraints:	Reject Ho Ingre I evan Lecept Ho Ingre I evan mp Pro (X & C) & at (H) right-care level Minimizer mp Pro (X & C) maject to (H)	
	Reject He Juga I error Leapt Ho V Juga II error Mp Pro (X & C) & at (H) right conce level Minimize mp Pro (X & C) moject to (H) 1 to Marinize into Pro (X & C))	
Example: Auro	Reject He Type I evan decept Ho V Type II evan mp Pro (X & C) & at (W) reflect Ho V Type II evan inguiticance level Ulinimize pap Pro (X & C) maject to (M) reflect Ho Dype II evan page II evan inguiticance level Ulinimize pap Pro (X & C) maject to (M) page II evan inguiticance level Disput Ast page II evan inguiticance level disput Ast	

- (Exp (1/2) distribution)

 · Ho: 2 2 2 ; H1: 2 4 2

Joint dursity: $f_{x,x}(x) = \frac{1}{2} \exp\left(-\frac{1}{2} \frac{\pi}{2} x_i\right)$

Monotanity:

$$y \quad v \leq v', \quad \text{Allen} \quad \frac{f_{x, ro}(x)}{f_{x, ro}(x)} = \frac{n^{2r}}{n^{2r}} \exp\left(-\left(\frac{1}{n}, -\frac{1}{n}\right) \stackrel{?}{>} x;\right) \quad \text{is monotone}$$

increasing in $\sum_{i=1}^{N} x_i$

T is $\{a_{n}, \frac{1}{2}, -a_{n}\}$ distributed under $\{a_{n}, a_{n}, a_{n}\}$ of $\{a_{n}, a_{n}\}$.