No: Po (x) = { o ; xe(q) | M: p, (x) = { e-1 ; xe(q) } a) n = 1;  $l(x) = \frac{L_1}{L_0} = \frac{e}{e-1} > C$ ;  $e^{-x} > C$ a) n = 1;  $l(x) = \frac{L_1}{L_0} = \frac{e}{e-1} > C$ ;  $e^{-x} > C$ a) uyx = 0 channels P(xe G/ 1/0) = 2 \$ 1. dx = 2; B=2; G: x < 2 W= P(xe G/4) = S & e-1 dx = e-1 (1-e-1)

L2 = 1-W; L1=2 1 = 1-W; 21=2 1 = 2; l= \( \frac{\lambda\_1}{\lambda} = \frac{\lambda\_1}{\lambda\_1} = \frac{\lam 6: X1 + X2 = B; P (x; G/Ho) = 2  $\int_{\mathcal{B}} \int_{\mathcal{X}_{1}} \int_{\mathcal{S}_{2}} \int_{\mathcal{X}_{1}} \int_{\mathcal{X}_{2}} \int_{\mathcal{X}_{1}} \int_{\mathcal{X}_{2}} \int_{\mathcal{X}_{2}} \int_{\mathcal{X}_{1}} \int_{\mathcal{X}_{2}} \int_{\mathcal{X}$  $W = P(x \in G|H_1) = \frac{e^{x}}{(e-1)} S e^{-x_1-x_2} dx_1 dx_2 = \frac{e^{x}}{(e-1)^2} S dx_1 S e^{-x_1} - \frac{e^{x}}{(e-1)^2} S dx_1 S e^{-x_1} = \frac{e^{x}}{(e-1)^2} S dx_1 S e^{-x_1} = \frac{e^{x}}{(e-1)^2} S e^{-x_1} (1 - e^{-x_1}) S e^$ = (1-e-8-Be-8) | de=1-W

e) dec no n l= L1 = 17 p; (x); ln l- 2 ln e; (x) W= 6: en c => 2 = ln p; (3) = ln e-1 = ln e-13 X P (ln l z ln e 1 16) - 2 U, Eni-nMcy] no N(0,1) -> Knom was K: MEy] = MEln = - 3] = ln e-1 - 2 McgJ. S'xp. (x)dx = = (Po(x) = 1 (g)) DENJ= DEME-1-8] = DC37 = 12 DC87= 12 - 12  $P(lnl = lnc) = P(\frac{\sum p_i - nMcy)}{\sqrt{n8cy}} > \frac{lnc-nMy}{\sqrt{n8cy}}$ In C-n (ln e-1 - 1) = 21-2 ln C = n ( ln e-i - 1) + 21- 1 5/2 ln l= 2 ln le-1 e x = n ln e-1 - 5 x. Gilnlyln C; - Z X; Z - 2 + 2h Jiz G: X = Z - West - museuma colleans

P; (x:) X - M(3) 50 ~ M(9,1) U. M(3] = S x e-1 e x dx = e-1 [-xe x ] - Se x dx ]
= e-1 [-e-1 - e-1] - e-1 NES'J = S'x' =- 1 e dx = le-5 983 = le-1  $V = P(\bar{x} \leq A/U_0) = P(\bar{x} - M_{CD}) = \frac{A - M_{CD}}{\sqrt{2C_{CD}}} = \frac{A - M_{CD}}{\sqrt$ = 5 TETT e = dx (2)  $G: X_{min} < C$ (2)  $H_0: F_0(x) = \begin{cases} 0, x < 0 \\ x, x \in [0,1] \end{cases}$ (3)  $f_0(x) = \{ 1, x > A \}$ P(Xmin & C/No) = Fmin (c) = L 1-(1-c) = 2 => C=1-71-27 Lied W = P(Xmin & C(Hi) Hi: Fix)= S'E-1 e dt - E-1 (1-e") (0,1)  $W = f_{min}(c) = 1 - (1 - e^{-1}(1 - e^{-1})^{n} = 1 - (1 - e^{-1}(1 - e^{-1})^{n})^{n}$ hz= 1-W= (+=1 (1-21-1))

10: 4 4 6 5, M1: 4 4 4 4 Po(x) - \$8(x-4) + 68(x-5) + 48(x-2) + 48(x-1) P.(x) = 48(x-4) + 48(x-3) + 48(x-2) + 48(x-1) Y-yzt T \$ 8 (x-4) + 68(x-3) + 48(x-2) + 48u C: II 1 2 3 4 P(lac/16)= L=0,2 Ho: IT 1 2 3 4 1 1/6 1/6 24 1/2 2 1/6 1/6 24 1/2 1 1 1 2 3/4 3 2 3 9 9 3 24 24 36 18 4 3 3 9 9 4 12 12 18 9 Hi: bee mavere 16 yberrane Выправи разни в: C 76 4 1 8 8 4 4 1 8 5 4 7 36 36 W 1 15 16 16 16 16 di Ze; mu lz C;Ho La acroque l'rache Ho U I bee y now & l z C W- autor h

W-ruax you di < 92 => L= 2 Sunagen xora X ~ N(a,2) ; ym N(b,1) 2=0,05 X= {-1,11; -6,10; 2,423 Ho: a=8 (an) y={-2,29; -2;913 Hi: a>6; ac8; a+6  $= -\left(\overline{x} - \overline{y}\right) \sqrt{n \cdot m}$  $= \frac{(x-y)}{\int \frac{Sx^{2}(m-1)}{n+m}} \sim \frac{1}{t} \left(n+m-2\right) = \frac{1}{t} \frac{Sx^{2}(m-1)}{n+m-2} \sim \frac{1}{t} \left(n+m-2\right) = \frac{1}{t} \frac{Sx^{2}(m-1)}{n+m-2} \sim \frac{1}{t} \frac{Sx^{2}$  $\frac{1}{1} = \frac{1 - 1,596 + 2,6}{5} = \frac{6}{5} = \frac{1}{1} =$ 1) a > 6 p-Value = P ( ) > 181) = 5 = 2 (1+4) dy = 9313 FFF 53 (1+4) dy = p-value = P (10/7, 151) = 2 S = 0, 774 > 0,05 =) met oex. orbying 3) a + 6 Ostegony 8 Ho