Ho: Sap. (1)=110,13 M.: S-P.(X) = == == 160,13 n=1 $\frac{L_1}{L_0} = \frac{\ell}{\ell-1} = \frac{\ell}{\ell} > C - const$ ex > B X < A/ P(X < A | Ho) = L = Solx = A => 2, =2/ ANW-P/X = AlH,) = Se-1 e dx = e-1 (1-e-2) Ma = 1- e-(1-e-2)

 $X_1 + X_2 \leq A$ A= 122, 6: x, +x, < 522] W- P(x,+x, SA | M,) = SJ(e-1) e -x,-x2/x, dx= = ... = (e) (1-e-A-Ae-A) 1=7-W

c) $L = \frac{L_1}{L_0} = \prod_i \frac{P_i(x_i)}{P_o(x_i)} \ge c$ G: In L = E (n P. (x1) > (nc = 2 - n M2 2; N(0,1)

Sh Dn? (gu ogan pogy) P(Un 1 > Ln c/16) = 1 7= 6n = 1 -X LAL= ZLn(e- -xi) > Ln C G:ZX; SA A-n M(x) (H.)=1 P(\(\frac{\gamma\text{X}, -\mu M(\gamma)}{\sqrt{nDx}}\) \\equiv

(napre paggeg) A-n== - U2 G: \(\int \times \) \(\int \) \ A= = +41原 W=P(ZX: =A/M)= P(DXXXXX 4-11M(x]/// (5) = P(ZXI-NMCX] = M(x)= Sx = e-x dx= e-1 10 M[x2] - 1 - 1 - 1 $D[x] = \frac{e^{2} - 3e + 1}{(e - 1)^{\frac{1}{2}}}$ $\Rightarrow \int \frac{1}{\sqrt{2}} e^{-\frac{x^{2}}{2}} dx$, 2= 1-W B= 1 + 42 (\fr - h \frac{e-2}{e-1})

=> Krumerun cocm/ n32 >>

d)
$$G \times_{m,n} = C$$
 $P(x_{m,n} = C | M_o) = 10$
 $O = 1 - (1 - F(C)) = 1 - (1 - 2) = 10$
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NTIZ n=1 Pz 177 1万 1=0,2 M. P.P. = 1 Pi Pi 2 3 4 1 16 16 24 2 1/6 to tu 1/2 3 1/2 1/36 1/8 2 山 行 大生生 2 3 3/2 8 34 9 4 11 3 9 3 3 日 弘 弘 平

VT13 n2=1000 n=139 1 t=8m - oring bearing J19 = 5;722 My G1 11 = 9,612 MM Jeg = 6,161 um 2=0,05 Jun = 54,055 of Pacelionneus gire gillettes. 110. 415 = 425 M1: 41g # 42g Sn, = n, -1 0g1 =1 Sn2 = - . . . 9(H: F (138,999) Prat = P(A > 5/Mo) = 0,8\$ 5 Hem ochobapin onlynnym Ho

V713 n2=1000 n=139 1 == 8me orine banns (19 = 5;722 my G1 w = 9,612 MM Jeg = 6, 161 um 2=0,05 Jun = 54,055 of Pacilionyun gire gilletter. 110 415 = 429 M1: 419 7 429 Sn, = n, -1 091 =1 Sn2 = - - - $\frac{\chi}{\chi} = \frac{\left(\frac{S_{n_{1}}}{S_{n_{2}}}\right)^{2}}{\left(\frac{S_{n_{1}}}{S_{n_{2}}}\right)^{2}} = \frac{\left(\frac{n_{1}}{n_{1}} - \frac{n_{2}-1}{n_{1}} + \frac{\sigma_{31}}{\sigma_{32}}\right)^{2}}{\left(\frac{S_{n_{1}}}{S_{n_{2}}}\right)^{2}} = \frac{\left(\frac{n_{1}}{n_{1}-1} - \frac{n_{2}-1}{n_{1}} + \frac{\sigma_{31}}{\sigma_{32}}\right)^{2}}{\left(\frac{S_{n_{1}}}{S_{n_{1}}}\right)^{2}} = \frac{\left(\frac{n_{1}}{n_{1}-1} - \frac{n_{2}-1}{n_{1}} + \frac{\sigma_{31}}{\sigma_{32}}\right)^{2}}{\left(\frac{N_{1}}{S_{n_{1}}}\right)^{2}} = \frac{\left(\frac{n_{1}}{N_{1}} - \frac{n_{2}-1}{N_{1}} + \frac{\sigma_{31}}{\sigma_{32}}\right)^{2}}{\left(\frac{N_{1}}{S_{n_{1}}} - \frac{n_{2}-1}{N_{1}} + \frac{\sigma_{31}}{S_{n_{1}}}\right)^{2}} = \frac{\left(\frac{n_{1}}{N_{1}} - \frac{n_{2}-1}{N_{1}} + \frac{\sigma_{31}}{S_{n_{1}}}\right)^{2}}{\left(\frac{N_{1}}{S_{n_{1}}} - \frac{n_{2}-1}{N_{1}} + \frac{\sigma_{31}}{S_{n_{1}}}\right)^{2}} = \frac{\left(\frac{n_{1}}{N_{1}} - \frac{n_{2}-1}{N_{1}} + \frac{\sigma_{31}}{S_{n_{1}}}\right)^{2}}{\left(\frac{N_{1}}{S_{n_{1}}} - \frac{n_{2}-1}{N_{1}} + \frac{\sigma_{31}}{S_{n_{1}}}\right)^{2}}} = \frac{\left(\frac{n_{1}}{N_{1}} - \frac{N_{1}}{N_{1}}\right)^{2}}{\left(\frac{N_{1}}{S_{n_{1}}} - \frac{N_{1}}{N_{1}}\right)^{2}}}{\left(\frac{N_{$

Majun analorumo. ~ 0,84 9 (41: 1- (1,38,995) Pm1 ≈ 0,85 Her ochob ombegningen Hof