NOME! FEUPE AncHANTO	DA CUNHA MENDES
NA: 2252940	
1 2	
LIDIA -	
(1)	
<u>a)</u>	1 2 1 1 7 1 1 3
n=25 X-	Loy, S & M & X + toy, S
X = 78,3	222 1 1 1 222 1 222 2
	2,797. 2 EM = 78,3 + 2,797. 2
$\frac{Q = \frac{1}{6} \frac{1}{6$	1812 EM = 79,4188
	1012 EM E 11,100
4/2=0,51.=0,005;	
05)	
M=25 X-tay2.	S SUSX+ tayo. S
1 103	
S = 2 $78.3 - 2.06$	4.2 6 M 6 78,3 + 2064.2
21 - 24	
x=5% 1 77,49	44 EM = 79, 1256
42 =0,025 !	
2 S=3 V=1	
S=3 V= 1	0+10-2
d=91. = 1	.8
4/2 = 0,025	
gl=V=18 , XL=5	9,9+66,2+69,9+65,2+62,6+63,6+63,2+67,2+71+65,4
to,009 = 2, LOL 1	10
=65	3,22

X2=66,4+71,7+70,3+60,3+60,8+60,6+62,6+60,0+05,3+68.	1
10	
= 68,42	
(X1-X2) - tx/2. S & (N1-N2) & (X1-X2) + tx/2. S	
() 10.	
$(-3,2)-2,101.3 \leq U_{L}-U_{2} \leq (-3,2)+2,101.3$	
$-9,503 \leq M, -N_{2} \leq 3,103$	1
1,305 3 10,1 11,2	
3)	
N=200, (H1: M < 200	
X = 195 1 -4040	
n=100 ' Z= x - N = 195-200 = -5	
n=100 Z=X-N = 195-200 = -5	
Z It ala	
Zcale < Zonit - 168017A A HO	
LOGO, O MESISTENCIO MODIO DIMINUT.	
2000, 4 (18)121010115 100115	
9	
$V = 30 \ \ X = 31,2004$	
T = JUO !	
R= SY \ \ Ho: M = 30	
Zuz=1,961 (HL: M\$ 30 THE !)	
-1,96 2,96	
Z= X-M = 31,2004 - 30 = 0,949	
J40 Vm J25	
OL Zeal < Zenit, PONTANTO AS CONTICO	70-6
SAU ANGOLONAS -D NOU DESCANTA HO	

D	
X=101	16: P>0,6
Sand Victoria	(H1: P<0,6
# Zx = 2	$2101 = -1,28$ $3\beta = x = 96 = 0,49$ $n = 200$
* Zcal = 1	3-PH = 0,98-0,6 = -3,4641
	Pro (1-PHO) (2,6(1-0,6)
\	V n V 200
/	nc
- MAR	
12,29	
Como	ECAL PENTENCIOS A NEGIÃO CNITICA,
DESCONTA-	-S& HO & CONCLUI-S& QUE A ARIAMPEDO
DO PROPORT	on & ROUSA
No. of Addition of the Land	
6)	
6) M=4,5.	S Ho: M = 4,5
	S Ho: u= 4,5 (H1: M < 4.5
7=0.5	(H1: M < 4,5
7=0,5 1	(HL: M < 4,5
7=0.5 7=4,3 1=51,	(H1: M < 4,5
7=0,5 7=4,3 7=4,3 7=57.	Ea = Zsx = -1,64
M=4,5 N=4,5 T=0,5 T=4,3 N=49 + Zcal=	$H_1: M < 4,5$ $Z_{\alpha} = Z_{Sx} = -1,64$ $Z_{\alpha} = U_{\alpha} = U_{\alpha} = -2.8$
7=0,5 1 7 = 4,3 1 7 = 57.	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
7=0,5 7=4,3 7=4,3 7=57.	$H_1: M < 4,5$ $Z_{\alpha} = Z_{Sx} = -1,64$ $Z_{\alpha} = U_{\alpha} = U_{\alpha} = -2.8$
7=0,5 7=0,5 7=4,3 7=4,3 7=57.	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
7=0,5 1 7=0,5 1 7=4,3 1 2=57. 1=49 1=2cal =	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
7=0,5 1 7 = 4,3 1 2 = 5%. 1 = 49 + Zcal =	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

SHO = MI = NZ - NI - NL = 0
(7) (1-1 = N, + M2 - M, -M2 to
XL=62 CONSIDENANDO DUOS PODULOCOES COM DISTRI-
X2=71 BUICOO NOMMON, INDOMENDENTE & DESY, TEMOS
$M_{L} = 50$
$M_2 = 500$ $S_p^2 = (m_1 - 1)S_1^2 + (m_2 - 1)S_2^2$
$S_1 = 20$ $m_1 + m_2 - 2$
S ₂ = 20 !
$\alpha = (50-1)20^2 + (50-1)20^2 = 400$
50 + 50 - 2
$\pm S = \int Sp^{2}(L + L) = \int 400(L + L) = 4$
\ (m1 m2) \ (so 30)
V=yl = 50+50-2 = 98
+ tuy= to,025= 1,98
- 1/48
2 to = (x, - x2)-DU, = 62+71-0 = -2,25
5
$(62-71)-198.9 \leq N_1 V_2 \leq (62-7)^{2}2,98.9$
to > 1 ty, 1, co60, noverto-se Ho. Logo Ho
& VIDENCIAS DONE DENGINTON QUE ON GOSTONS
MEDIO NOS DUOS FICTEIS NOO SETO O MESMO
4 \$2 - (XN-X) - (M1-N0) = 1005 816105 NA DEED
INTENVOLO DE M CONFIDMED:
(X,-Xc)- Aog S ≤ W,-Mc ≤ (X,-Xc) + Aog · S
-16,92 LM, -M2 < -1,08
20, 42 2 NI, -NI2 2,08
<i>spirali</i>

	(3)
(8)	
n=25 ! SHo: M=8	
X=7,2 (H1: M L8	1,04 0 1,60
5=2	
L=91. 1 Z=1.= Z003 =-1,64	
Z=X-U=7,2=8=-2	
Tn 2	
Jn 525	
-2 PENTENCE À MEGIDO CNITICA, Z	060 DEJOHD-SE
HO 13 CCNCUUI498 QUE O P	1000+0 DEVE
SON NOTINODO DO UNITO DO P.	nonuceo,
(a)	
	A STATE OF THE STA
3 Ho = UL = Nz = M3	
CHL= 3 MEDIO DIRENGNIE	
OTIZ- I MEGING GIRBIONI	
(Dr.)	
XA = 33+38+36+40+31+35 = 35,5	
V = 22 12 112 22 22 22 21 = 21	0
XB= 32+40+42+38+30+34 = 36) Marine
6	
	2 2
Xc= 31+37+35+33+34+30 = 3:	715
6	
Xn= 28+34+32+30+33+31=	31,3
6	

L) \(\overline{\chi} = \overline{\chi} \overline{\chi} \chi \overline{\chi} \ I 33+38 + 36+ 40 + 31 + 35 + 36 + 40 + 62 + 38 + 30 + 34 + 31 + 37+35+33+34+30+28+34 + 32+30+33+31 4.6 d) satn $SQ+n=n\sum_{i}(x_{i}-\bar{x})^{2}$ $= 6 \left[(35.5 - 34)^2 + (36 - 34)^2 + (33.3 - 34)^2 + (31.3 - 34)^2 \right]$ = 94.18 gl= m-1= 4-1 =3) QM+no+= 84,18 = 28,06 2) 500m SQBn = \(\frac{m}{2} \left[\lambda (\lambda \kappa_1 - \times_1)^2 \] = (33-35,5)2+(38-35,5)2+(36-35,5)2+(40-35,5)2+(31-35,5)2+(35-35,5)2 $+(32-36)^2+(40-36)^2+(42-36)^2+(38-36)^2+(30-36)^2+(34-36)^2$ + (31-53,3)2+(3+-33,3)2+(35-33,3)2+(33-33,3)2+(34-33,3)2+(30-33,3)2 + (28-31,3)2+ (34-31,5)2+ (32-31,3)2+ (30-31,3)2+ (33-31,3)2+ (31-31,3)2 = 53,5 + 112+ 12,54 + 23,34

spirali - Omenina

= 201,38

gl=m(n-1) Quero = 201,38 = 10,069
= 4(6-1) 20
= 20
1) 5+Q
V)) · Q
C70 - 60 +n , S04n
57Q = 50 + n + 500 n
= 94,18+ 201,38
= 285,56
gl = glow - gl eno = 3 1 20
0 = 3120
= 23/10
(A)
QMOLO 10,069
Q Meio 10,069
From = F0,05;3;20 = 3,10
174.9 = 1.5,5 = ,5
A) Fale (From - Não novoita Ho, OU
GGTD, NOTO GX1978 MODIES DIFORDATOS
JOBB , NOO EXITY MICH.
spin salah sal