```
3
(2)
 W= {155° > X = 2 (15) }
 8=1-P(s'= 1.666==4)=1-P(45
  P. = 2(1-9(121)) = 0.0308
  P= = P(X2(15) > X2) = P3x2(15) > 21.63 = 0.1187
           \sim \chi^2(N-1), s^2 = 25.149
   W = \{ X^2 \le X_{0.95} \cup 4 \}^{\frac{1}{2}}
X_0^2 = \frac{10.525.149}{64} = 5.501 < 6.57
   P = {x2(14) = 5.5013 = 0.021.
117 1 No =550 , W, +550
        5/Th. W=11T1 7 to.025 (873
   P_ = P31+18)17to3 = 0.13470.05
   x2 = (n-1)5", W= (x27 X 0.05(8) 3.
   P- = P(X'(8) 7 X = 0.232.
```

```
13.0) Ho: 6,2 = 6,2 H,: 6,2 + 6,2.
   X~N(M,6,2) X,~N(Mo.6,2)
    F= = 1 , W= (F> Fo.025 (7.8) 3. +0=0.919.
  1 Fo.025 (7.8) > to > Fo.975 (7.8)
12) H_0: \mathcal{M}, \mathcal{F}_{\mathcal{M}_2} = H, : \mathcal{M}, \langle \mathcal{M}_2 \rangle
S_w^2 = \frac{(n_1 - 1)S_1^2 + (n_2 - 1)S_2^2}{N_1 + N_2 - 2} = 1.6.42 
5_w^2 = \frac{2}{N_1 + N_2 - 2} = 1.6.42 
   ·拒絕可域了T≤-to.05(15)3
   八不拒絕 作跃设 .
 15. 新教
 11) X-N(M, , 6,2) Y~N(M2, 6,2)
    Ho: 6,2=622, H1: 6,2 = 622, F= 53
    W= 3 F 7 F0. 025 U.9) 3" 01 = (M90) 3 . (M9) 9x3
    \overline{X} = 126.75, \overline{Y} = 164.3 S_1^2 = 140.75 S_2^2 = 62.4
   fo =2.256. +0.975 (11.9) < to < +0.025 (11.9) < 不拒給作成之
12) Ho: U, = M2, H1: U, = M2
                     W={1717to,025(k)}, K=
                     a=16919 , 6= 9.
  ハto.025 (19) =2.0930<to)=8.835 八板绝優谈
```

