1.

21-9-5	सार्देश	जियारे जियारे	F
11	17462.889	191.935	<u> አ</u> 46.406
2	7088.222	१५५५.।।। 🗸	694.919
4	5948.889	1109.718 🗸	499.450
10	4825.118	482.578	211.182
18	40	1.111 V	
75	12402.889		
	17 2 5 10 18	17 13462.889 2 7088.222 5 5748.889 10 4825.118 18 40	17 13462.889 191.934 2 3088.222 1544.111 \(\square \) 5 5748.889 1109.718 \(\square \) 10 4825.718 482.518 \(\square \) 18 40 2.222

72141741년하는 = 4179818

D V 1241754717= 121882= 148547344

B V (7 = 4126315.111

@ U

$$T_{44} = \frac{3}{2} \frac{6}{1} \frac{2}{5} \frac{2}{5} \sqrt{13} e^2 - \frac{7...^2}{36} = 4139818 - 41263145.111 = 134502.889$$

$$44A = \frac{3}{1} \frac{\sqrt{1.2}}{12} - \frac{\sqrt{...2}}{21} = 4129401.3331 - 4126215.11 = 2088.222$$

$$440 = \frac{6}{5} \frac{4.5^2}{6} - \frac{4...^2}{36} = 4131864 - 4126315.111 = 5548.889$$

$$55TR = \frac{3}{15} + \frac{6}{15} + \frac{115^2}{2} - \frac{11.12}{26} = 4126718 - 4126715.111 = 17462.889$$

44(AB) = 45TR-55A-55B

0 1인A (서고공뉴)의 huzz 두일시 건정

(Ho: d1=d2=d3 =0 H1: Not H0

F=694.919 7 Fo.os (2,187 =7.555) 22 Ho 174
TUHH 42224 11 WHY NOVETES 11 CHOSE 1 STELL TO STE

@ telb(Mztartat) and tat selving

Ho: \$1=\$2=\$3 = ... = \$6=0

는= 499.440 > Fo.05 (5,18) = 2.777 이탈 Horling
TCHUHH KZZMIPIENI CHU NUE 75 ENI 따라는이 있다는
한누었다.

图 生生中的生生

(Ho: (αρ), 1 = (αρ) 12 = ... = (αβ) 36 = 0 H1: not Ho

(生气水) 公子公司

2.

건가면 TSS= 1595.6

$$\begin{cases} F_{0.05}(2,4) = 6.944 \\ F_{0.05}(1,4) = 7.699 \\ F_{0.05}(4,4) = 6.388 \end{cases}$$

ZMINIM 누이진 분사분성포의 F value 와 니다했을때

(AB) 9 Fth 1.02 < F0.05 (2,47 (AC791 + 25, 5.38 < Fo. 05 (4,4) (BC) 9 F7 2.00 < Fo. 01 (2.4)

Hoフトトントを C의 두값 18.87 7 Fo.05 (2.47

的恐州可称为治司的国际人种科科科社中· 高十叶科 知巴

변인	사유도	세하	जि.चे.भार <u>े</u>	F
A	2_	1228.11	614.06	57.175
В	1	84.50	84.50	7.868
С	2_	154.11	77.06	1.115
1ht	(2	128.88	10.74	

$$\frac{9(10)}{10} \frac{11}{10} = \frac{1}{10} \frac{1}{10} = \frac{1}{10} \frac{1}{10} + \frac{1}{10} \frac{1}{10} + \frac{1}{10} \frac{1}{10} = \frac{1}{10} \frac{1}{10} =$$

饭气(0.891,0.967)

17 TSS =
$$\sum_{i}\sum_{k} Y_{ijk}^{2} - \frac{Y_{...}^{2}}{10} = (45^{2} + 33^{2} + ... + 41^{2}) = 20001 - 19764.083 = 236.917$$
 V

$$= \left(\frac{1}{2} \sum_{i=1}^{2} \sum_{k=1}^{2} Y_{i.k}^{2} - \frac{Y_{...}^{2}}{12}\right) - \left(\frac{1}{4} \sum_{i=1}^{3} Y_{i..}^{2} - \frac{Y_{...}^{2}}{12}\right) - \left(\frac{1}{6} \sum_{k=1}^{2} Y_{...k}^{2} - \frac{Y_{...}^{2}}{12}\right)$$

$$= \left(\frac{1}{2} \cdot \lambda_{9} + \frac{1}{12} + \frac{1}{12} \cdot \lambda_{9} + \frac{1}{12} \cdot \lambda_{$$

= 6590.889

V		2
X	(-	ーク,
		•

	Ail	A2	A3	計	3 2
c_1	87	79	80	246	11
C2	87	75	19	241	Ti
13-Ta	174	154	159	487	TH

$$\frac{3}{1} \sum_{k=1}^{2} Y_{1.k}^{2} = 87^{2} + 19^{2} + \dots + 79^{2} = 39645$$

$$\frac{3}{1} Y_{1.k}^{2} = 174^{2} + 154^{2} + 159^{2} = 79213$$

$$\frac{2}{1} Y_{1.k}^{2} = 246^{2} + 241^{2} = 118597$$

37 A,B,(AB) 가유의하므로 A,B사이의 상호자용이 記憶다. 证此서 모든 두잔의 잔탕 A,B, 에서 모델진을 두자하는다. → 3×2=67H

22/27

$$54A = \frac{1}{4} \frac{3}{4} Y_{1..2} - \frac{Y_{...2}}{12} = \frac{1}{4} \cdot 79273 - 19764.083 = 54.167$$

$$698 = \frac{1}{6} \frac{2}{5} 4.5.^2 - \frac{4...^2}{12} = \frac{1}{6} \cdot 118891 - 19764.087 = 52.084$$

$$55(AB) = \frac{1}{2} \frac{3}{15} \frac{2}{15} \frac{2}{15} \frac{2}{12} - \frac{2}{12}$$

$$\mu(A_2B_2): \overline{Y_{22}}. \pm t_{0.05/2,6}. \overline{J_{1.25/2}} = 90 \pm 2.447 \times 0.791 \Rightarrow (88.065, 91.935)$$