		7	ivo U	Vay	S	<u>S</u>				
			B01+							
4.7)	Chemical		2	3	4	_ 5	y _i .	10	6	
	1	73	68	74	71	67	353		124	
BD	2	73	67 :	75	72	70	357			
(random)	3	75	68	78	73	68	362	=		
	4	73	71	75	75	69	363			
ab y 2 /2	Yj.	294	274 3	52 2	291	274	11435			
ZZ P		+ Cagla	. + + d n		V 214	est to de	12.2.3	1119	10013	-
Intal	SS Total	[(732	+ 682+-	742+	71+6	7 + 78	+ 69	2]-([20)	Total
		- (4	30 d \$ #	191.	75	SAR IN	(3)	13 4 5		LOTAL
55	55	_	- 1	2	100		7 /	-	1042	22
± V.2 - V.	Treatmen	- SL	3532+ espine 4 val	357	362	-363 ²	7- 4	35)2=	2.95	R
Z y:2- y:			spine 4 val	ues				Tux		cc
- SS -	Block	[4	2942	1274	+36	2+291	-2747	= 14352	1	33
B 32 4	2	C	Despire	S val	ves			70	= 157	2
I t	t	. 60	2 + 50	617	CC		40)	A STREET, STRE		
	To	S = SS	R 33	B+	22 ^E					
	191.	75 = 12.5	15 + 157	+ 21.	8	SS	E = 21	D		
						LI.	- 0	.0		-
	Sou	rce	df		22	MS:	55	F	0-1/01	
2503	Trea	tment	3		12.95		.317	2 27/	P-Val	-
33.84	Blo	cks =	4		157		1.25	2.376		
	Ern	ron	12		21.8		817		(4	
70000 C 3000	Tot	al	19		91.75			3 46		
2000 2000		20/2 70	TIL	T			100036			
	As show	n by th	e F val	ue be	ing 2.	376, th	model	5 not 519	nifi cent	
	1 Cla-1Ve	to the	noise.	There:	sal	2.11%	Chance to	he F-va	me will	
	seem du	e to non	e. There	10	differe	nce be	ween U	nemical -	ypes.	

Truck
4.13) a) 0:1 1 2 3 4 5
1 .5 .634 .487 .329 .512 2.462
2 .535 .675 .520 .435 .546 2.705
3 .513 .595 .488 .4 .510 2.506
1.548 1.904 1.495 1.164 1.562 7.673
CE LA DE DE LES LA PERE MAS LA PROPERTIE DE LA
SS [.52+.6342+.4872+.42+.5102] - $\frac{(7.673^2)}{15}$ = .103
$SS_{R}: \left[\left(\frac{1}{5} \right) \left(2.462^{2} + 2.705^{2} + 2.506^{2} \right) \right] - \frac{(7.673)^{2}}{15} = .0067$
SC F / - 17 (7,673)2
$\frac{SS_{8}: \left[\left(\frac{1}{3} \right) \left[1.548^{2} + 1.964^{2} + 1.495^{2} + 1.164^{2} + 1.562^{2} \right] - \frac{(7.673)^{2}}{15} = .092}{15}$
102 - 2012 8 5 5 5 2 10010
- 103 = .0067 + .092 + SE = .0043
Source of SS MS F P-value
Block 4 .092 22.023 6.85 7.0223
Treatment 2 .0067 .00835
Error 8 3 0042 .000527
Total 14 .103
(1) 中 中 中 10 10 10 10 10 10 10 10 10 10 10 10 10
There is a significant difference between beforestion oils & trucks,
as shown by the p-value being p= .0223, which is loss than \$ = .05.
b) T1 x T2 = .4924 - 541 = .0486 > .038688
T1 vs T3 = [.49245012 = .0088 < .03688
T2 vs T3 = 1.541 5012 = .0398 > .03688
Pairs 1 and 2 & 2 and 3 are significantly different from eachother.
Pair 1 and 3 are not different from eachorther.

-

1, ,0)	0
4.19)	Parameners T; and B; for CRBD
	Yij = K + Ti + Bj + Eij 18
	i=1,2,3,a for 3;= y;y
	j=1,2,3b for \$j= y-j-y.
	$\hat{\mu} = \hat{q}$.
	CE, to a Se de Composition of the Composition of th
	Using the textbook equations (4.17 & 4.18) the actimation for
	the model parameters are as follows:
7-3	$\hat{\beta} = \frac{35}{20} = 1.75$ $\hat{\beta} = \frac{35}{20} = 1.75$
	$\hat{J} = -23/20 = -1.15$ $\hat{B}_{20} = -65/20 = -3.25$
	$\hat{S}_2 = -\frac{7}{20} = -\frac{35}{35}$ $\hat{\beta}_3 = \frac{75}{20} = 3.75$
	$\hat{S}_{3} = 13/20 = .65$
	$\hat{J}_{4} = 17/20 = .850$ $\hat{B}_{5} = -65/20 = -3.25$



* Most calculations solved through calculator.



		- 1021				-					
-		Source	96	SS	MS	. F	_ P				
1.44)	(R)	Treatment	6	1317.43	219.57	10.42	.002				
	2 5 K	Block	6	394.10	65.68	3.12	.070				
	13 17 15	Error	8	168.58	21.07		N. Philippin				
8	32	Total	20	1880:1	rista vale						
	P 1	+ /		Benja B	Steel	P# 1	N. A.				
	SSR =	2 (-) Y: 2)	- Y 2 =	1317.43		A(c)				
			2.5				X 24				
	25 =	2 ((·) Y;.2) - y2 =	394.10		148				
	11/2	14 (1 - 1 B)		在基础的							
	SS =	5 5 (Y	1;2 - Y) = 1880	2.1						
	16441		1	7							
	5	SE = 1880	1 - 13	17.43 - 394	.10 = 168.	58					
	The 15-value for treatment is less than the value found in										
4/8-36	th	e anova to	able (1	0.42), thus a	t least one to	reatment is	causing				
	a	difference.					U				
- 100 - 104°											
		the F value	Por bloc	king is great	er than the	Value for	nd in				
			TRADIC	(3.12), thus	blocking Is	not can	Elina				
		a differe	ence.				0				

	1		414		i din	7/4		1300	
4.44)	coo	SHIN	102	3	4	2	6	17	
TABLE	2%	114	2333	0	188,	120		117	351
	M-1.	126	120	3	1848		119		; 365
	67.		137	117		100		134	388
	81/	141		129	149				1 419
	10%		145	A23	150	143	(18)		1 438
	12%			120		118	125		363
	14%		CEL	8 3	136	(4, N (130	127	393
	7-17.	381	402	366	435	381	374	378	2717

