lec	twe 12: Composite. 0
	a E A
	R (aib) E A x B b E B
	S (bic) & BXC cEC
	i (a1b) ER N (b1c) ES.
	٠
<u> </u>	Then (a,c) & SoR
	20'-
PC	165 R= f(1,1), (1,4), (2,3), (3,1), (3,4) AxB. A= f1,2,33.
	S= {(2,0), (2,0), (3,1), (3,2), (4,1)} BxC. B= £1,2,3,4}.
	C2 { 6, 2, 2}
	,
	2 (20), (21), (21), (2,2), (3,0), (3,1)3.
Ros	5 2 7
	SOR + Kos. HW.
	$R_0R_27 = R^2 HW$ $R^2_0R_2 R^3 U.$
	P ² o P 2 P ³ U.
	•
	·
	Theorem 2: A yelation R on A. is transitive.
	P466. iff R" = R nz 1,2,3
	<u> </u>
	Exercise 1-30 HW.
	P466- P468.
	•
	N-axy Relations with Application.
	U
	Bx1: R2f(a,b,c) a < bcc} NXNXN.
	P469 (22,3) & R 2 T

(2,4,3) ER = F.
BK + Ped(a,b,c) b= a+k 1 c= a+2K}.
469 \$ JK KEZ ZXZ XZ
(2,5,9) &R2+52 X+K-B 922+2.3 + 1,1 K23. 922+6
K ₂ 3 922+6
9z 8
(43,5) ER 2? HW.
How many Relative 2 nxmxx
How many Rladow 2 hxmxx
-5
Ev3 4 1-17 2
Pro(c. b.m) a 3 b mod u ? = 20
3
(-1,9,5) & R. V ZXZ X Z [†]
(8,2,3) ER L
(4,0,7) ER X
Extit 5-avy Pelatron.
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(PIA, PKSIS, PEW, ISB, 2:45) Az Set of Airlines
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Bx2. :	A 2 & 1	12139	B2 9 1,27.		
P476					
	L29(6	4,1)((3,2)((3,2) \	AxB.	
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