

We down that the no x3 array use who down home	e a la l
a lastin squee is equivalent to an Od(100, 3)	
This is some to (xu, Exay):	
assinas	
(x, y) reard the indices, every pain exist he	Çes
Circ. This is an Oden, 2)	
(x, xoy) is saying " Bush our has oney dement	
from I do of ") 2
(y, xoy) is sying "and all how our derent	from
Ito in"	2011 1 6
Two Ook are apparablent if use con dolern are	form
the other by prometing raw and cilcums and	47
apply a pomulation of This to ordine in any	alem.
	25
from an OfChikir, we associate an incidence Stor	aha
(Toi) Toix (co) in which i + (xij) <> Lij =>	
	n27
•	[E]
Example: (In love of the mardence medic)	الهيئا دويد
(\$1,1,13)	- And the second
夏1,2,23	
32,1,28	}
22,2,18	40.1
	ved'x
2-> (0,2) of the affine place of	orde-5

In genera	y dris is not two incidence structure of a
BIBO	the second of th
The die	design & is called a homeworsal design.
	doings have the property that points are
portitioned	Trato L'ange" of side n.
	into from a different group are in a unive
Wack To	a paint the same soup are not in a
Comen	
Application	A CONTRACTOR CONTRACTO
. 0	e has a Cuk, 13-BIBO (U,B) and we went
to constru	of a Cut, k, N-BIBO
	morting le disjoit après of V
The state of the s	EXXS-3 (XEBB, JETEJ?
and also	add to blocks B' aning Im a fremoverail
design, de	(UB") is a (UKK)-BJB)
(0)	OB A COEE, 1) - BSBO
5°1	the state of the s

	A
	-
To bother understand Colo. Oct.	-
We will associate	1 to part
truly.	
and the second s	12 1
11 75 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4,7
	, , , , , , , , , , , , , , , , , , ,
THE DIE TO SEE SEE SEE SEE SEE SEE	6 - CI
and the second was all the	ris , ,
4	1
Theren.	
If thelite Ofchie) exists, then Kenel.	12.1
Expected occurs iff graph is and to	3
thet:	1 (1)
The Fer cerch jeter, the edges colored by from	
at kny here whose are n(2) capo alored in	n après
From the defin of an Od no edge on how	A
they I cale has I	Nece
than I color thence done grape is Surple and	rate bus
an (21)	Jan
Kn(2) < (2) >> K < n-1	4 /
EN(3) < (5) > K = N41	
(and equality occas iff the sneet is compared	Pe
	52
	4 4

(i) II an OKn now exists (n22), then its incidence Shootine is an affine place of an Oster, mil (iii) If (cons), then the incidence Strake of (3) Let A be an OA(n, no). The wadenes streetie has points ictin's and lines (x, j) ETOB x THEIR une ito (x, y) () ly=x. We must show treat this is our cutine plane Since the greeph is Compate, every point of is Joined by a unique edge with some unique Aig (=> (2,j) = i v i' + Finally, ouch line has exactly a pointer Carlley: It on after done of order in exist then there exists an OACH, E) for all 10 5 mel. C 2

Kooderat Canadrastii.	
TR & is an Other, to) and B is an Other, te)	
We can anstruct on Ostany to as follow	1 -2731
let *: [m] x [n] > [m] be any bigestin.	
id Shorter of an Och man	
77 Cti, do, tix is a now of I and Bis	3.21
is a paw of B. Iron come and a second)
(Li = Bir Like)	- Level
util be a town on of the new array the B	4. 4
Finds ToT X(i, x) id to Com	
Exercis: Check that I + B is an atom, El	31
the second of the second of the lands	
1 mai 1 may 2 may	Q
'A broken I' & The street as A and	
	-1
EST STORY OF STORY	
Levelle stone of the hours of the	18 = 3
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