The cross product of r&s is rxs Nadin Musallam Extra Credit 2 YXS (ABCCD) $V(ABC) \times S(CD) =$ 9,6,0,0,0 CI di a, b, c) a, b, c, c, d2 92 b2 C2 C, d2 92 b3 3 C2 d3 9, 6, C, C2 d3 C2 dy 193 by C3 a, b, C, ez dy a, b, C, cy ds Cyds az 62 C2 T C1 d1 92 62 C2 C1 d2 9, 62 C2 C2 d3 az b, C, 1 C3 dy a, bz cz Cyds a2 63 C3 (F, d, 92 b3 c3 C1 d2 a2 b3 c3 1 c2 d3 a2 b3 c3 c3 d4 92 103 c3 1 cy d5 a3 b3 c3 1 C, d, 93 63 63 1 6,02 93 63 C3 1 C2 d3 a3 b3 c3 cyds arity = arity of + arity of = 2+3=5 #rows = nr x ns = 4x5 = 20

n	on, use cross product to combine tables using matching
(dumns (join);
	ras = // (T(rxs))
	$r \approx s = \prod_{A,B,r,C,D} (rxs)$
	The of is what is implemented first as: A B (Fit s.C)D
	AB (F.C's,C)D
-	a, b, c, c, d,
-	9, 6, 6, 6, 42
-	a2 b2 c2 c2 d3
	92 b3 c3 c3 dy
	93 63 C3 C3) d4
-	
	Now if we move this through TI, these collapse into one
	The result:
	ABCD
-	(a, b, c, d,
	9, 6, C, d2
	92 b2 c2 d3
	a2 b3 c3 d4
	93 b3 C3 d4