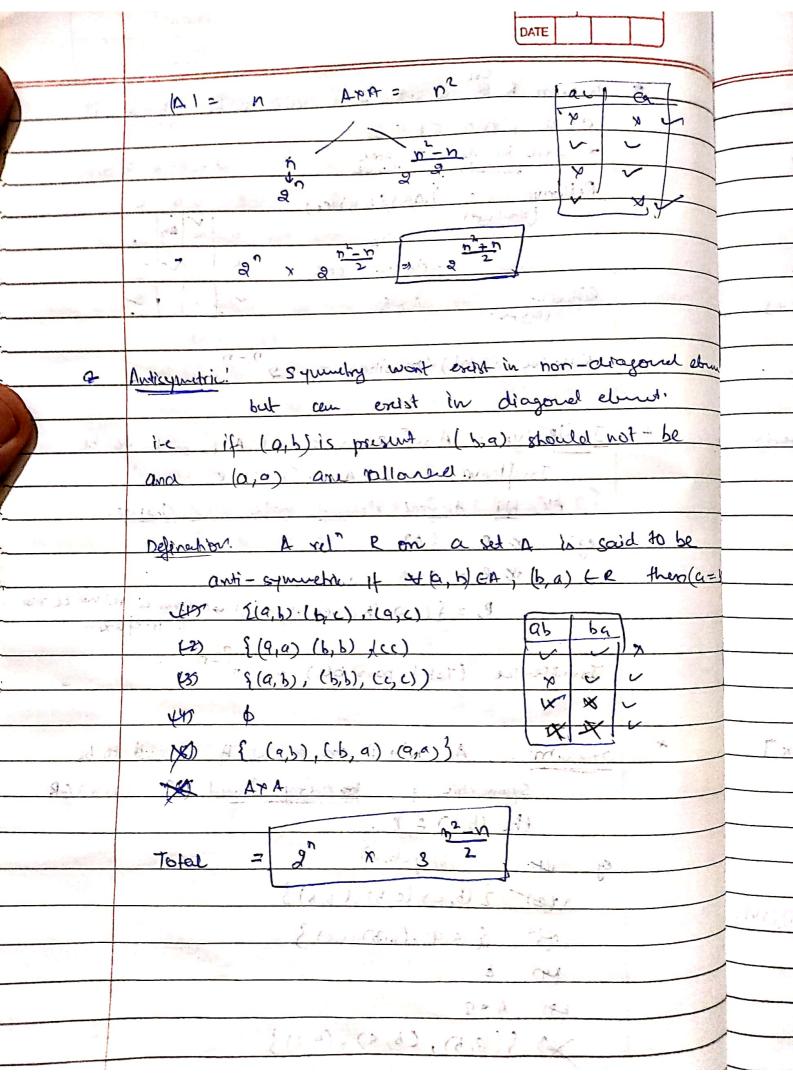
<u> </u>	A rem R & a set A is said to be reflerive if
	$a \in A$ , $(a,a) \in R$
	of same ke same diagonal A = (a,b,c) & (a,b,c)
	Reflexive 2 {(0,4), (6,5), (cc) > ab c
	Reflexive 2 {(a,a),(b,b),(cc) > ab c (smalleyt) = >A a a a sib
	= diagonal rn1 5 - v -
	Riflexi rea = Ax B.
7	Reflexive (Total) (possible) = 2 2
	but the court has given and
+ 10	Irreflexive: A rel R on a set A Do said to be
	Inneflerive if at A, (a, a) ER.
	ek bhi djagnol element pali hone chaire.
يم غد لي	eg! v.R, z { 0}
i i e e e	3 WRZ AXA 11 Marian
	P <sub>q</sub> = {(a,b),(b,a),(a,a),(b,b)} = neither a reflexive  2  Trullerice (Total provider) = 97-10.
	7 - C - C - C - C - C - C - C - C - C -
	Josefferice (Total possible) = 27-17.
_	
*	Symmetric A rely R on a set A is sall to be
	Symmetric It po every doned EA, (0, b) ER
	the (b,a) & k.
	eg: 47 { ta,b), (b,a)
	2 (b, c), (e, b) }
	725 { (a, a), (b, b), (c, c) }
	YIS &
	EST APR
	X 3(4,5), (6,4), (9,c)}



	DATE
2	Asymmetric Reth: A neit R is said if +(a,b) &A
	(0,6) ER (b,a) & R
1	+ Diagnol value bhi allowed meh hai.
4	(aza) not albuved.
	3 1 (1) (A) (B) (B) (B)
,	45 { (9,6), (6,4),(c,0);)
0	\$ (a,a), (b,b), (ce, c))
	V28 \$ \$
	Total = $3^{\frac{n-n}{2}}$
to d	Courter Ent - Schaffer all Reference
ż.	Jeansistive Rel" : if (a,b) & A, (b,c) & R then (a,c) & R
	If these bair exist then this went enist
y <sup>i</sup>	if these pair don't exist they are transistive
	eg: (0,1), (ba), (a, 4), (b, b)
	~ 2/9,4), (c,c)3
	. BO S 9, 67 Grand - 1
	2 (9,b) ,(9,i) }
	((Ob)) (C/b)3
	{(a,h), (b,c), (a,c), (9,a)}
	5 (a,b), (b,c) } =
1	2(4,1)

1	
	Transistive Closure and Warehall Algo:
	A= {1,2,3} = R { ((1), (1,3), (2,2), (3,1), (3,2)}
	2 (11) (3) (4)
	P (1,3) (2) (1,2) 3 0 1 0
Car kotav	(1,1) 1(2,2) (1,1) 3 1 1 1 0 )
Product	(1) (12)
CRR	(3,3) $(3,1)$
	1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 =
	Equivalence Rel - Satisfies all Reflorine, symmetric
8 7	transistine . had . ) - 1
School Ch	Suglest eg mil = (41) (22) (3,3)
	Suglest eq mil = (41) (41) (5,5)
	eg (1,1) (2,2) (5,3) (12)(21) (13) (21)3
	1 (00) (4.0) (4.0) (4.0)
	Constalled and Constalled Red Rel
	Equivalence classes enia is orly its equivalent.
*	Equivalence classes of on is admosted by Col.
4	~ ((0,2), (0,0), (0,d), (1,0) } (50)
	[2] = { y   y \in A and (x,y) \in R}
and the same of th	
	9 A 2 {1, L, 3, 4, 5}
	R = { (11), (22), (33), (44), (57), (12), (21), (45), (14)}
	[1] = [1,2]
	[27] 2 { 2,1} 2 { 1,2}
-	
A 12	
	[5] = {7.5}

