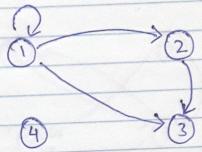
3- Transitive

∀a,b,c ∈A, of ((a,b) ∈R N (b,c) ∈R) than (a,c) ∈ R

 $R_1 = \{(1,1), (1,2), (1,3), (2,3)\}$

	1.	2	3	4	1
1	1	1	1	0	1
2	0	0	1	0	
3	0	0	0	0	
4	0	0		0_	1
	1				

No identification



Path than 1st & 36d have direct Path.

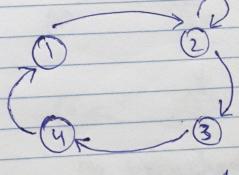
4- Antisymmetric

08 Forms a triangle

Ya, b EA, If ((a,b) n(b,a)) ER than Q=b ER

 $R_1 = \{(1,2), (2,2), (2,3), (3,4), (4,1)\}$

Min = Min iti M23 = M32 1 = 0



no Pair of arrows between distinct note

No bidioectional link