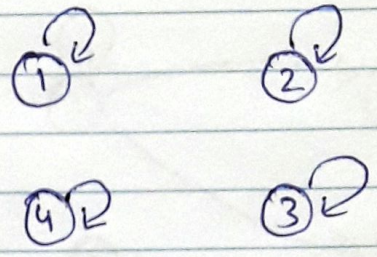
Date.....

Reflexive

→ $\forall a \in A, \forall (a,a) \in R$

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

	1	2	3	4
1	1	0	0	0
2	0	1	0	0
3	0	0	1	0
4	0		0	1



Diagonal has all 1's

Every node has loop.

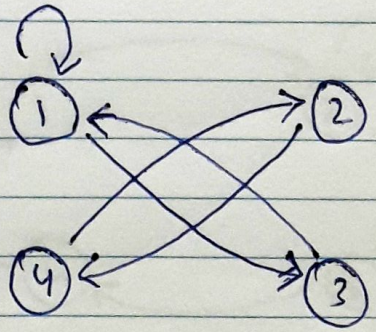
Symmetric

→ $\forall (a,b) \in R$, If $(a,b) \in R$ than (b,a)

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

	1	2	3	4
1	1	0	1	0
2	0	0	0	1
3	1	0	0	0
4	0	1	0	0

$M = M^t$



Pair of incoming & outgoing node

bidirectional links