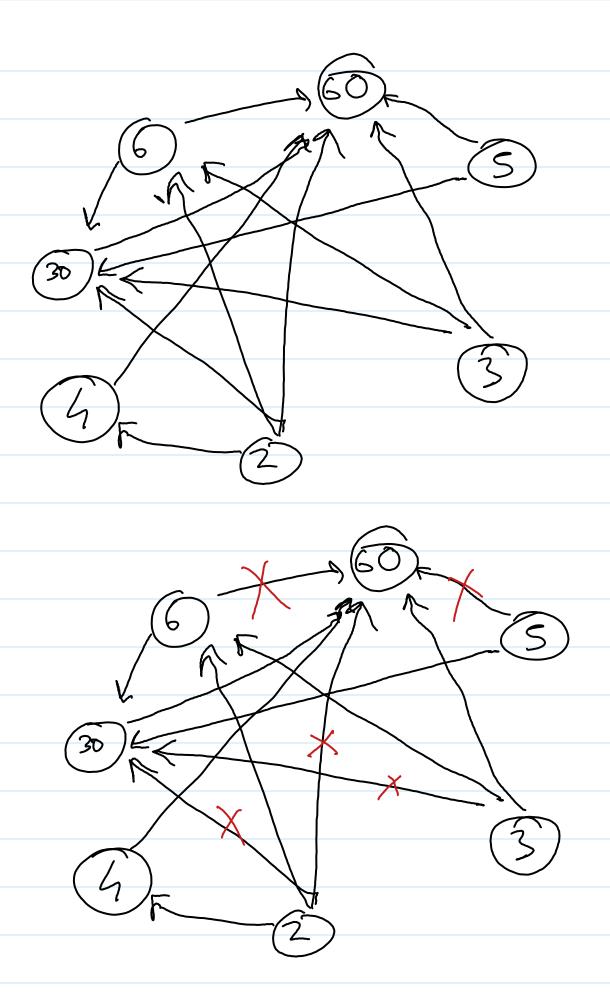
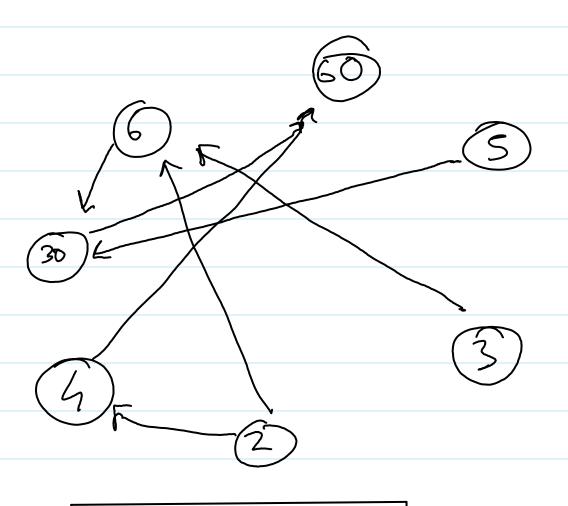
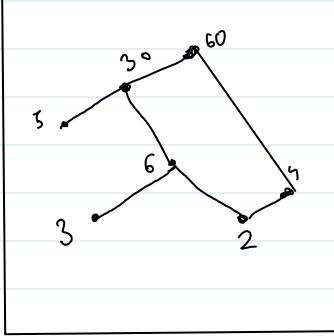
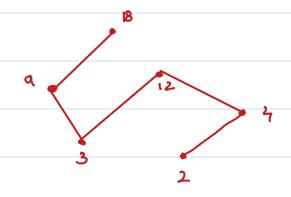
Properties of Relations

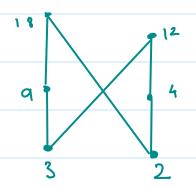
Equivalence Relation A relation is said to be equivalence if it is i) Reflexive (1,1),(2,2),(3,3),(1,3),(2,3)	Properties of a Relation Reflexive for every (a,a) \in R , \var a \in A Symmetric belongs to
Poset A relation is said to be (1,1), (2,12), (1,3), (2,13)3 R = { (1,2), (2,1), (2,2)} (1,3), (3,1)	(a,a) doesn't matter Antisymmetric Of (a,b) ER then (b,a) & R
poset if it is 1) Reflexine 1) Antisymmetric 1) Transitive. (1,3), (1,1), (2,3), (3,2)} R = { (1,3), (3,1)} R = { (1,3), (2,2), (2,2)}	Transitive If (a,b) ER & (b,c) ER then (a,c) ER R = {(1,2)}
V = / Y	

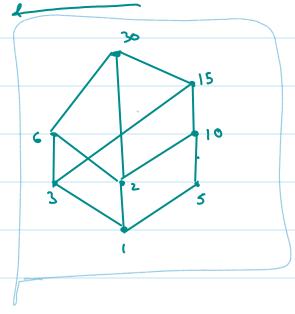












 $D_{20} \Rightarrow \{1, 2, 4, 5, 10, 20\}$

