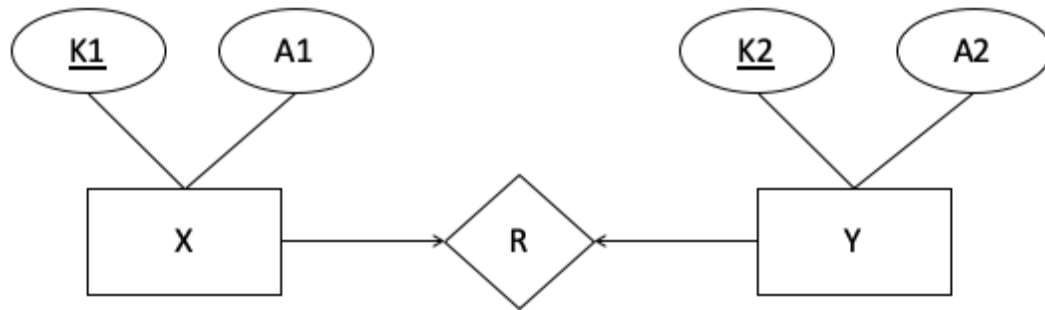
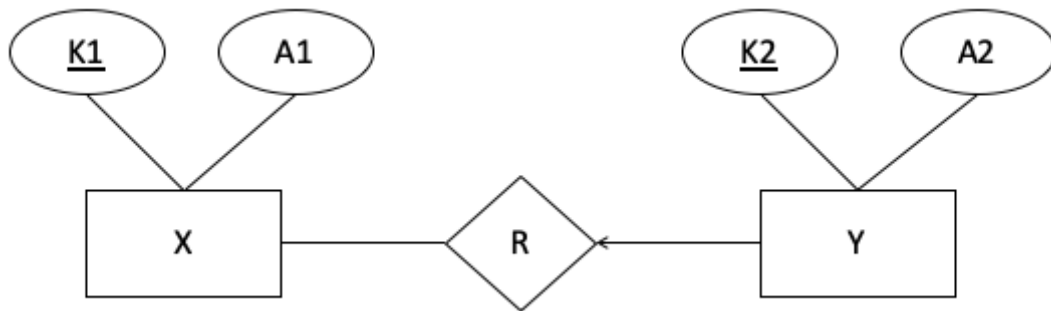


CPSC 368: Databases in Data Science
Tutorial #2b: ER to Relational

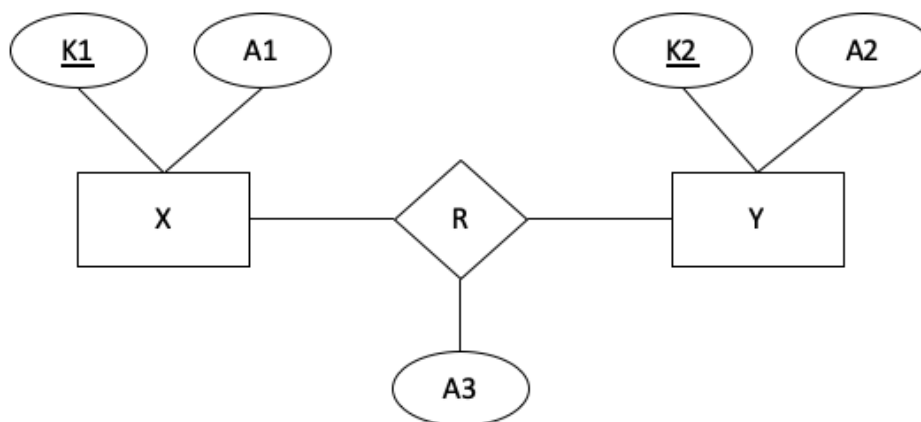
1) 1:1



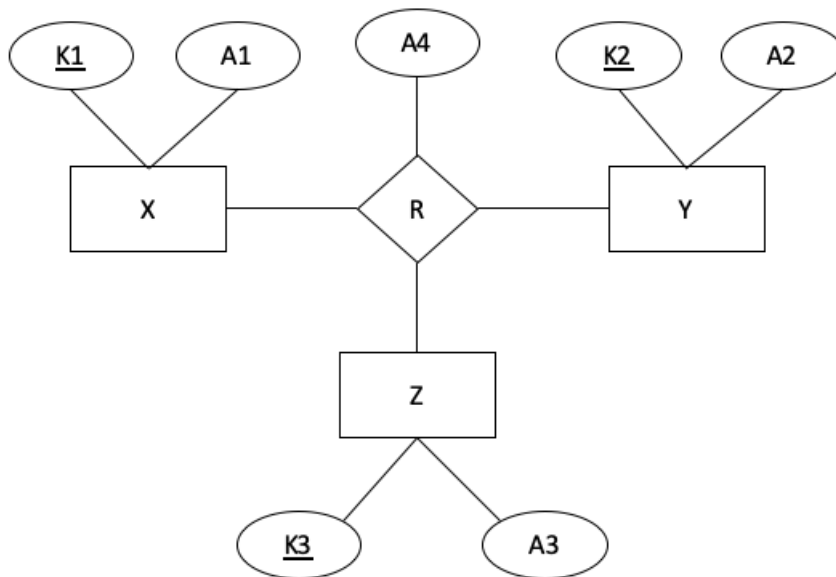
2) 1:M



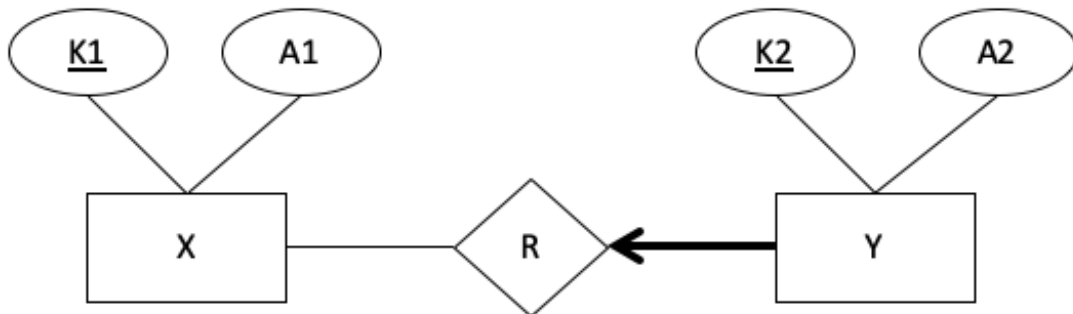
3) M:N (Binary Relationship)



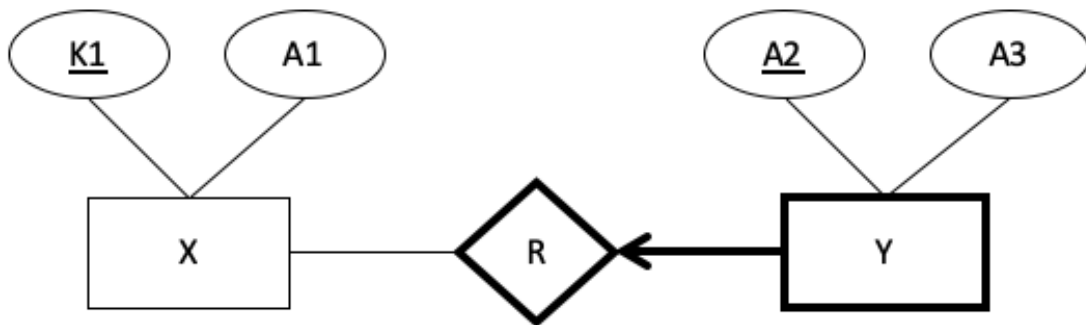
4) M:N (Ternary Relationship)



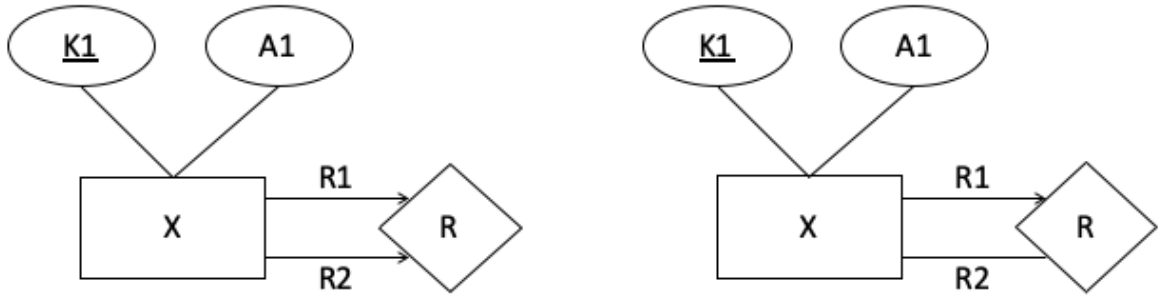
5) 1:M Entity with Total Participation



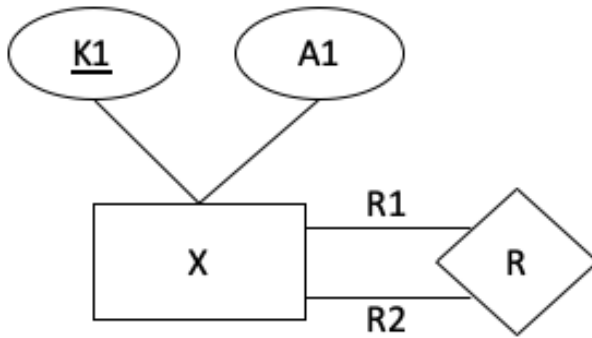
6) 1:M Weak Entity with Total Participation (assume that A2 is the partial key)



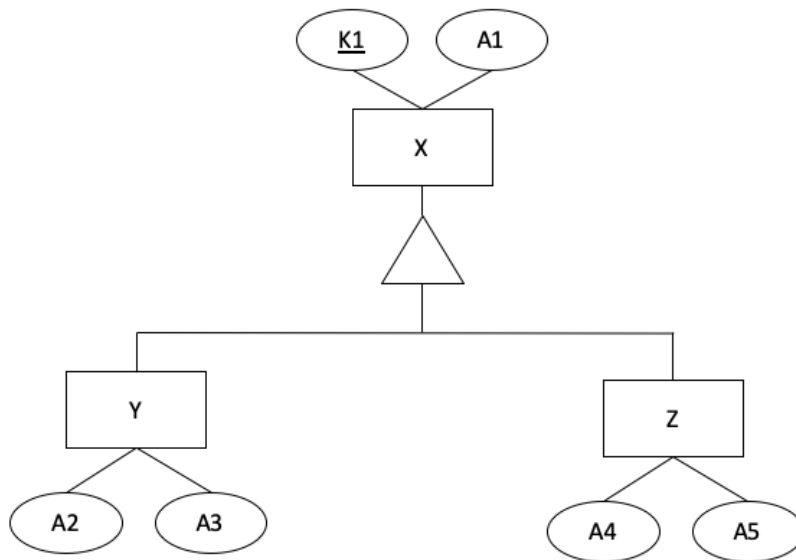
7) 1:1 and 1:M Unary Relationship



8) M:N Unary Relationship



9) ISA 1



10) ISA 2 (the “d” means disjoint)

