US: the union of all sets in S
 As: the and of all sets ins.
power set: the empty set is the subset of any power set. elements in a power set are all sets. so in a power set, A={a} P(A) = {{c}, {a}}
 => 3~3 6 P(A) 3 \$ \$ P(A) A 6 P(A)
EagePla) & E.Pla) A & Pla).
any set x {} = {}, no matter the order.
 A×43=43
reflexive: if aGA, then (a, a) GR=AXA.
symmetric: 27 (a, b) ER, then (b, a) ER.
 transitive: if La, b) ER, Lb, c) ER, then (a, c) ER
existence: que ent a specific value
 uniqueness: suppose a variable that satisfy the question.