1. Intersection

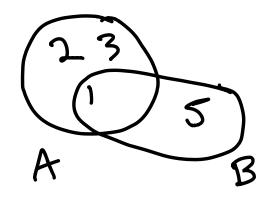
Z. Union

2. Union 3. Cardinality 4. Venn Diagrams

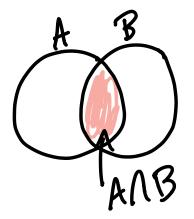
$$A = \{1, 2, 3\}$$
 $B = \{3, 4\}$

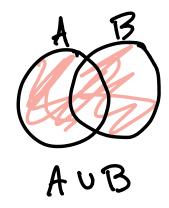
"intersection"
of A and B is the
all elements that
are in A and B

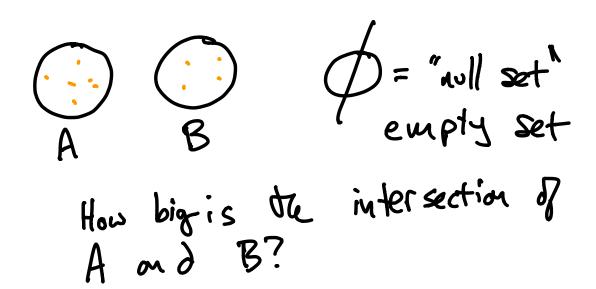
$$A = \{1,2,33\}$$
 $B = \{1,53\}$



The union of A and
B is the felevents
in A or B and
we write this
AUB







Cordinality of a set is how many elevents are in the set

F={ \D, \D, 03 \cardinality?

IF |= 3 \vert

A (1 B)

A (1 B)

intersection

cardinality of intersection

D | D | E | How big is this? "
What is the "cordinality"

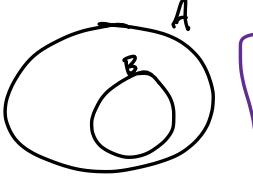
E = E | , * 3

E is a set!

2 is annular!

| DUE | | IE | = 2 | "Hype in the checking of the chains."

Cardinality is a number!



BCA : Fall items in B are in A

