AICC - Sels and relations Jets. unardered collect of objects Roshermethod.eg: $N = \{0, 1, 2, 3, 4, \dots \}$ A-51,2,3,53 Set Builder Norahan N- (xez (x)03 IN = Soche is not reachive and a is into Interval Makahian $Ca,bJ = \int ca (x \leq b)$ Subsels / Supersels A subser of B B superel of B Pavesel P(A) is set containing all subsets of A eg. A= \$1,23 P(B) = 4 51,23,513,523,505 Universal Set · contains everything Emply Ser (4)

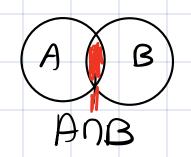
Complement

$$\overline{A} = \left\{ x \mid x \notin A \right\} = \left(x - A \right)$$

Inhersect.

$$ANB = \int z | x \in AN x \in BS$$

$$|S| = n$$



1AUB1 = 1A1 + 1B) - (ADB)

Tuples

ordered n-typle is an ordered called

Tr = Tz il some size and some element

Carrena products

A1x A2 is set of all ordered triples
of size 2 contraining
elements of A1 and A2.

Relate any subset of carterer product

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 $\{(1,2),(2,2),(2,3),(3,1)\}$ on He set \$1,2,35 not have 00 (2,1) (1,3) are mesing Number of Relate = numb. of sets = 2 151