

CARTESIAN PRODUCT

$$A \times B = \{ (x, y) \mid x \in A \text{ and } y \in B \}$$

$$A = \{1, 2\} \quad ; \quad B = \{a, b, c\}$$

$$A \times B = \{ (1, a), (1, b), (1, c), (2, a), (2, b), (2, c) \}$$

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VENN DIAGRAM OF: $A \cap (B \cup C)$

