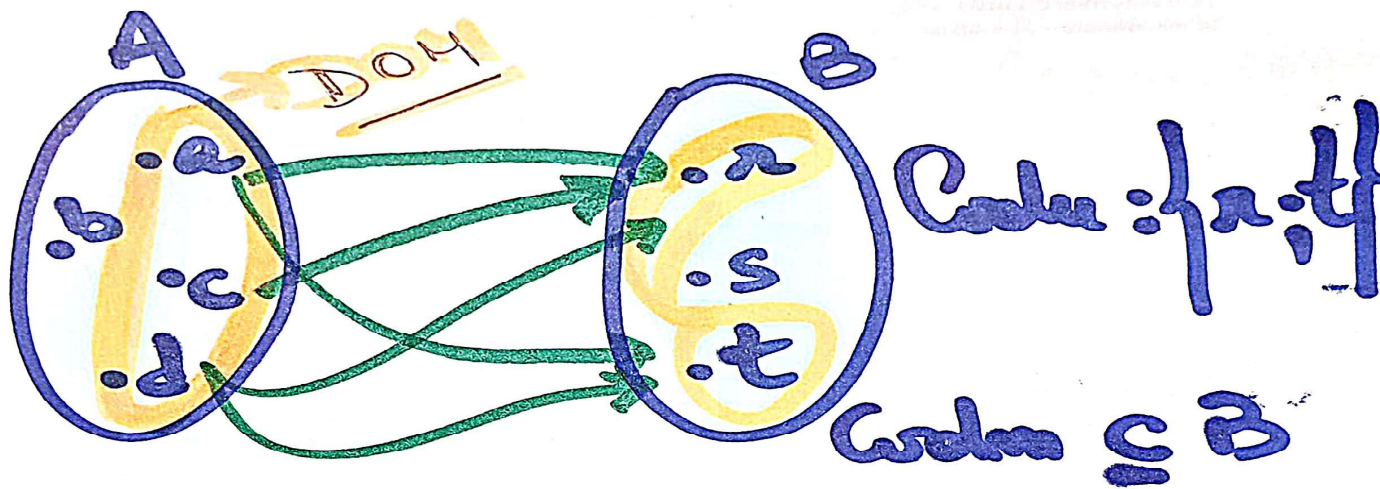


Relaciones

①

Conjunto de pares ordenados

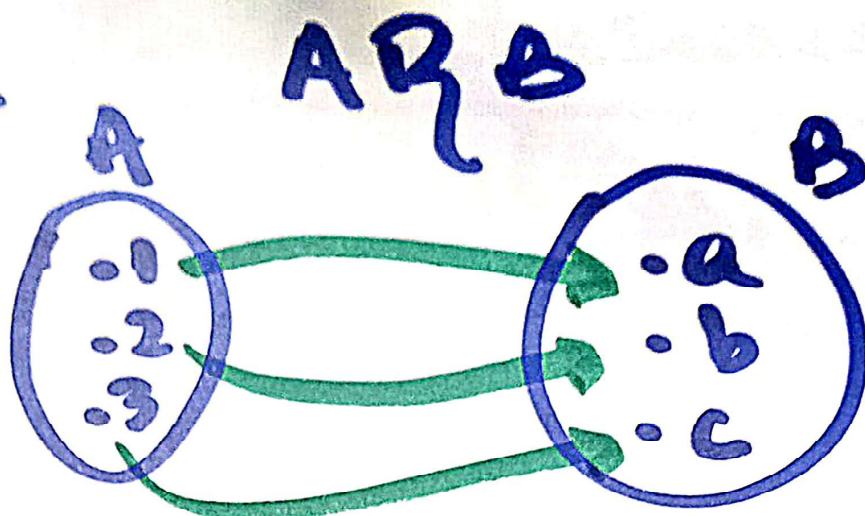


Dom \rightarrow elementos que se relacionan con los elementos del 2do Conj.

Dom: {a, c, d} Dom \subseteq A

Ex 1

2



$$R = \{(1, a), (2, b), (3, c)\}$$

$$\text{Dom: } \{1, 2, 3\}$$

$$\text{Dom} = A$$

$$\text{Codm: } \{a, b, c\}$$

$$\text{Codm} = B$$

Producto Cartesiano

④

$$A = \{1; 2; 3\} \quad \#A = 3$$

$$B = \{a; b\} \quad \#B = 2$$

$$A \times B = \{(1, a), (1, b), (2, a), (2, b), (3, a), (3, b)\}$$

$$\textcircled{\#} A \times B = \#A \cdot \#B$$

$$n = 3 \cdot 2$$

$$\boxed{\#A \times B = 6}$$

Producto Cartesiano

⑦

$$A = \{1; 2\}$$

$$B = \{a; b; c\}$$

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

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

$$A \times B \neq B \times A$$

NO ES CONMUTATIVO