

05/03/24

João Pedro Carvalho Ferreira

2024.1.08.030

$$1. A = \{a, b, c, d\}$$

$$P(A) = \{\emptyset, \{a\}, \{b\}, \{c\}, \{d\}, \{a, b\}, \{a, c\}, \{a, d\}, \{b, c\}, \{b, d\}, \{c, d\}, \{a, b, c\}, \{a, b, d\}, \{b, c, d\}, \{a, c, d\}, \{a, b, c, d\}\}$$

$$2. a) X \cup B = A \cup C$$

$$X \cup B = \{1, 2, 3, 4\}$$

$$X = \{1, 2, 3, 4\}$$

$$b) X \cap B = \emptyset$$

$$X = \{1, 2\}$$