

# Quizz 3

Juan Manuel Young Hoyos

March 11, 2021

Sean A, B, C conjuntos, probar que:

$$(A - C) \cap (C - B) = \emptyset$$

$$(A \cap C^c) \cap (C \cap B^c) = \emptyset$$

$$((A^c)^c \cap C^c) \cap ((C^c)^c \cap B^c) = \emptyset$$

$$(A^c \cup C)^c \cap (C^c \cup B)^c = \emptyset$$

$$(C \cup A^c)^c \cap (C^c \cup B)^c = \emptyset$$

$$C \cap C^c = \emptyset$$

$$\emptyset = \emptyset$$