

9 June, 2025

QUIZ 2

Consider a Boolean function $F : \{0, 1\}^3 \rightarrow \{0, 1\}^3$ that is defined as follows

$$F(x_1, x_2, x_3) = \begin{cases} (x_1, x_2, x_3) & \text{if } x_1 = 0; \\ (x_1, x_3, x_2) & \text{if } x_1 = 1. \end{cases}$$

Write down the truth table for F .