

Tutorial for Week 4 - Answers

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4. (a) $x_a = [1, 1, 0, 1, 1, 0]$
(b) $x_b = [0, 0, 1, 0, 1, 0]$
(c) $x_\emptyset = [0, 0, 0, 0, 0, 0]$
(d) $x_{a \cup b} = [1, 1, 1, 1, 1, 0]$
(e) $x_{a \cap b} = [0, 0, 0, 0, 1, 0]$
(f) $x_{a \cup \sim b} = [1, 1, 0, 1, 1, 1]$
(g) $x_{a \Delta b} = [1, 1, 1, 1, 0, 0]$