

338.001, VL Logic, Martina Seidl / Wolfgang Schreiner / Wolfgang Windsteiger, 2022W

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	Correct Mark 2.00 out of 2.00 ▼ Flag question	Given formula (¬a ∨ b) ∧ (a ∨ ¬b) ∧ (a ∨ b). Which of the following assignments satisfy this formula? 1. {¬a, b} 2. {¬a, ¬b} 3. {¬a, b} 4. none 5. {a, b} Die Antwort ist richtig. The correct answer is: {a, b}
	Incorrect Mark 0.00 out of 1.00 P Flag question	Given the truth table of propositional formula φ over variable a, b, c: a b c φ 0 0 0 1 0 0 1 1 0 1 0 0 0 1 1 1 1 0 0 0 1 1 1 1 1 0 0 1 1 1 1 1 1 0 0 1 1 1 1 1 1 0 0 1 1 1 1 1 1 8
		The correct answer is: 6
	Question 3 Incorrect Mark 0.00 out of 2.00 F Flag question	Which of the following statements hold? 1. (¬b ∨ ¬c ∨ c) ∧ (¬b ∨ b ∨ c ∨ a) is satisfiable. 2. (¬a) ∧ (¬b) ∧ (¬c) ∧ (a ∨ b ∨ c) is satisfiable. 3. (¬b ∨ c) is a literal. 4. (a ∨ ¬a) ∧ (b ∨ ¬b) ∧ (c) ∧ (¬c) is satisfiable. 5. (¬a ∨ b ∨ c) and (b ∨ c ∨ ¬a ∨ c) are equivalent (under any assignment, they have the same value). 6. (¬a ∧ ¬b ∧ c) is a clause.
		Die Antwort ist falsch. The correct answers are: $(\neg b \lor \neg c \lor c) \land (\neg b \lor b \lor c \lor a) \text{ is satisfiable.}$

($\neg a \lor b \lor c$) and ($b \lor c \lor \neg a \lor c$) are equivalent (under any assignment, they have the same value).

Finish review

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