

3.30.1. Expressive Adequacy Problems

1. Given that the formal language $\{\sim, \wedge\}$ is expressively adequate, explain why the language $\{\sim, \vee\}$ must also be expressively adequate.
2. State a general method for constructing a $\{\sim, \vee\}$ sentence for any given “mystery truth table”. (Hint: as noted in “3.26. *Valuation and Anti-Valuation Sentences*,” the negation of an anti-valuation sentence is equivalent to a valuation sentence.)

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