

### 2.30.1. 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 2.26, the negation of a countervaluation sentence is equivalent to a valuation sentence.*)