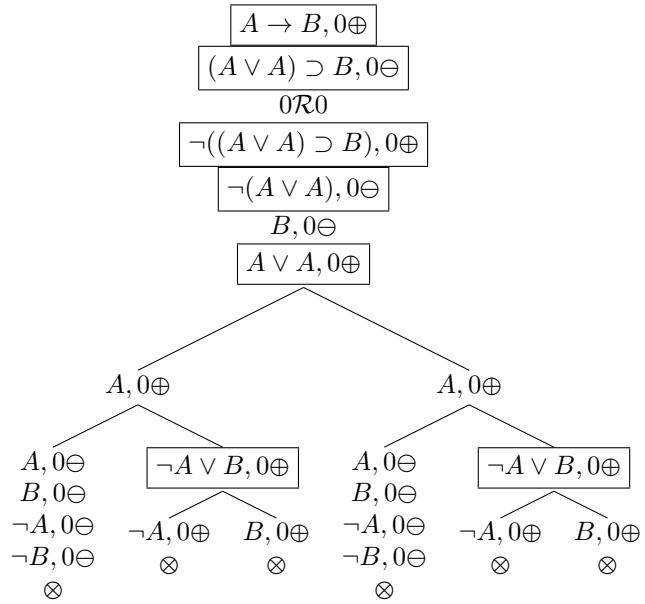
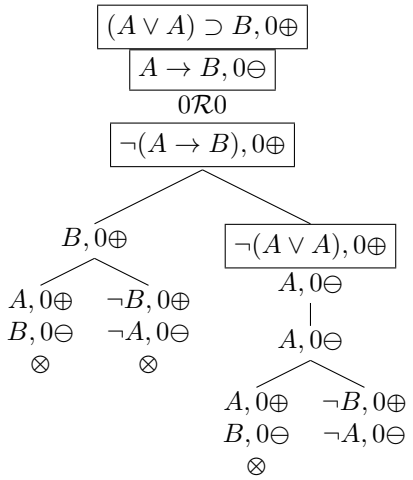
(1) $A \to B \vdash (A \vee A) \supset B$



(2) $(A \vee A) \supset B \nvdash A \to B$



Counter Model:

$\mathcal{W} = \{w_0\}$
$\mathcal{R} = \{\langle w_0, w_0 \rangle\}$

$\nu_{w_0}(A) = .5$