Is $\neg(A \vee B) \models \neg A \wedge \neg B$ valid?

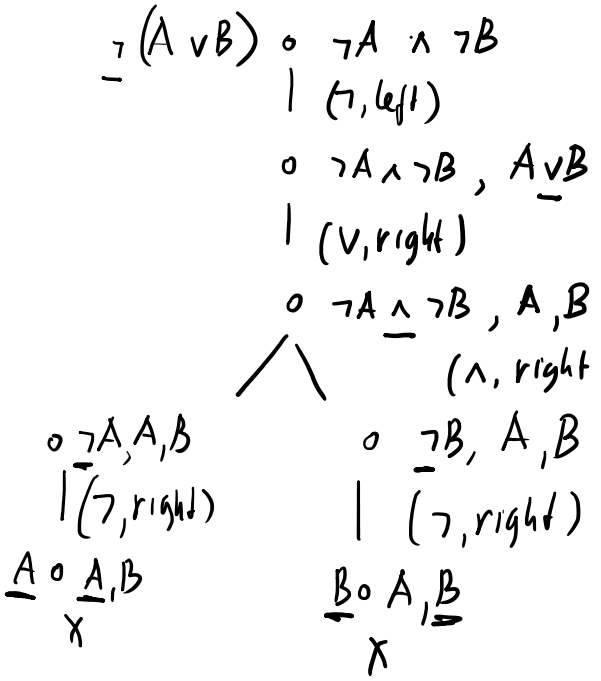

Tableau closed, so inference valid.

$\Rightarrow$ Formulas imply each other

$\Rightarrow$ $\neg(A \vee B)$ and $\neg A \wedge \neg B$ are equivalent.