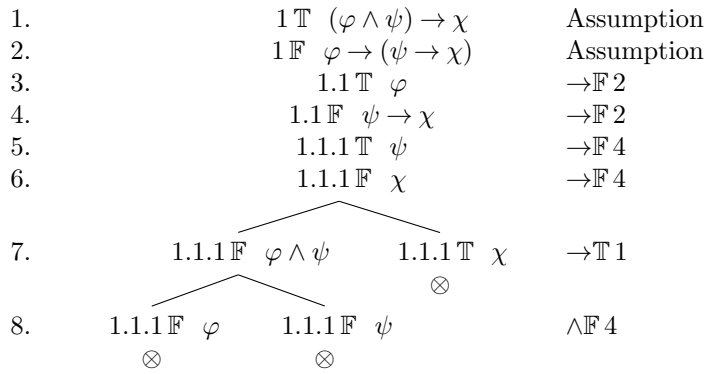
tab.1 Tableaux for Intuitionistic Logic

int:tab:prf:sec

Example tab.1. We give a closed tableau that shows $(\varphi\wedge\psi)\to\chi \vdash \varphi\to(\psi\to\chi)$.



Problem tab.1. Find closed intuitionistic tableaux to show the following:

1. $\vdash \varphi \to (\psi \to \varphi)$
2. $\vdash \neg(\varphi \wedge \neg\varphi)$
3. $\varphi \to (\psi \to \chi) \vdash (\varphi \wedge \psi) \to \chi$
4. $\neg\varphi \vee \neg\psi \vdash \neg(\varphi \wedge \psi)$

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Bibliography