

Predikatenlogica:  
Extra oefeningen op Afleidingen

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1.  $\forall x \neg(Gx \wedge Hx), \exists x(Fx \wedge Gx) \vdash \exists x(Fx \wedge \neg Hx)$
2.  $\forall x(Gx \rightarrow \forall y(Fy \rightarrow Hxy)), \exists x(Fx \wedge \forall z \neg Hxz) \vdash \neg \forall x Gx$
3.  $\exists x Fx \vee \exists x Gx, \forall x(Fx \rightarrow Gx) \vdash \exists x Gx$
4.  $\forall x(\exists y Fyx \rightarrow \forall z Fxz) \vdash \forall y \forall x(Fyx \rightarrow Fxy)$
5.  $\exists x Px \vee \exists x Qx \vdash \exists x(Px \vee Qx)$