

S104	$\forall x(Fx \rightarrow \sim Gx) \vdash \sim \exists x(Fx \ \& \ Gx)$
S105*	$\forall x(Fx \vee Hx \rightarrow Gx \ \& \ Kx), \sim \forall x(Kx \ \& \ Gx) \vdash \exists x \sim Hx$
S106	$\forall x(Fx \ \& \ Gx \rightarrow Hx), Ga \ \& \ \forall xFx \vdash Fa \ \& \ Ha$
S107*	$\forall x(Fx \leftrightarrow \forall yGy) \vdash \forall xFx \vee \forall x \sim Fx$
S108	$\forall y(Fa \rightarrow (\exists xGx \rightarrow Gy)), \forall x(Gx \rightarrow Hx), \forall x(\sim Jx \rightarrow \sim Hx)$ $\vdash \exists x \sim Jx \rightarrow \sim Fa \vee \forall x \sim Gx$
S109*	$\forall x(Dx \rightarrow Fx) \vdash \forall z(Dz \rightarrow (\forall y(Fy \rightarrow Gy) \rightarrow Gz))$
S110	$\exists xFx \leftrightarrow \forall y(Fy \vee Gy \rightarrow Hy), \exists xHx, \sim \forall z \sim Fz \vdash \exists x(Fx \ \& \ Hx)$
S111*	$\forall xFx \vdash \sim \exists xGx \leftrightarrow \sim(\exists x(Fx \ \& \ Gx) \ \& \ \forall y(Gy \rightarrow Fy))$
S112*	$\forall x(\exists yFyx \rightarrow \forall zFxz) \vdash \forall yx(Fyx \rightarrow Fxy)$
S113	$\exists x(Fx \ \& \ \forall yGxy), \forall xy(Gxy \rightarrow Gyx) \vdash \exists x(Fx \ \& \ \forall yGyx)$
S114	$\exists x \sim \forall y(Gxy \rightarrow Gyx) \vdash \exists x \exists y(Gxy \ \& \ \sim Gyx)$
S115	$\forall x(Gx \rightarrow \forall y(Fy \rightarrow Hxy)), \exists x(Fx \ \& \ \forall z \sim Hxz) \vdash \sim \forall xGx$
S116	$\forall xy(Fxy \rightarrow Gxy) \vdash \forall x(Fxx \rightarrow \exists y(Gxy \ \& \ Fyx))$
S117*	$\forall xy(Fxy \rightarrow \sim Fyx) \vdash \sim \exists xFxx$
S118	$\forall x \exists y(Fxy \ \& \ \sim Fyx) \vdash \exists x \sim \forall yFxy$
S119	$\forall y(\exists x \sim Fxy \rightarrow \sim Fyy) \vdash \forall x(Fxx \rightarrow \forall yFyx)$
S120	$\exists xFxx \rightarrow \forall xyFxy \vdash \forall x(Fxx \rightarrow \forall yFxy)$
S121	$a=b \vdash b=a$
S122	$a=b \ \& \ b=c \vdash a=c$
S123*	$a=b, b \neq c \vdash a \neq c$
S124	$Fa \ \& \ \forall x(Fx \rightarrow x=a), \exists x(Fx \ \& \ Gx) \vdash Ga$
S125*	$\forall x x=x \rightarrow \exists xFx, \forall x(\sim Fx \vee Gx) \vdash \exists x(Fx \ \& \ Gx)$
S126	$\forall x(Fx \rightarrow Gx), \forall x(Gx \rightarrow Hx), Fa \ \& \ \sim Hb \vdash a \neq b$
S127*	$\exists x((Fx \ \& \ \forall y(Fy \rightarrow y=x)) \ \& \ Gx), \sim Ga \vdash \sim Fa$
S128	$\exists x \forall y((\sim Fxy \rightarrow x=y) \ \& \ Gx) \vdash \forall x(\sim Gx \rightarrow \exists y(y \neq x \ \& \ Fyx))$
S129	$\exists x(Px \ \& \ (\forall y(Py \rightarrow y=x) \ \& \ Qx)), \exists x \sim (\sim Px \vee \sim Fx)$ $\vdash \exists x(Fx \ \& \ Qx)$
S130*	$\forall x \exists yGyx, \forall xy(Gxy \rightarrow \sim Gyx) \vdash \sim \exists y \forall x(x \neq y \rightarrow Gyx)$