

Udvidelse af S-reglerne, Appendix

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[Prop 3.7b $\xrightarrow{\text{stmt}} S \vdash \forall \underline{a}: \forall \underline{b}: \forall \underline{c}: \neg \forall_{\text{obj}} z: \neg \neg z = 0 \Rightarrow \neg z + \underline{a} = \underline{b} \Rightarrow \neg \forall_{\text{obj}} z: \neg \neg z = 0 \Rightarrow \neg z + \underline{b} = \underline{c} \Rightarrow \neg \forall_{\text{obj}} z: \neg \neg z = 0 \Rightarrow \neg z + \underline{a} = \underline{c}$]	
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[Prop 3.7f $\xrightarrow{\text{stmt}} S \vdash \forall \underline{a}: \forall \underline{b}: \forall \underline{c}: \neg \forall_{\text{obj}} z: \neg \neg z = 0 \Rightarrow \neg z + \underline{a} = \underline{b} \Rightarrow \underline{a} = \underline{b} \Rightarrow \neg \forall_{\text{obj}} z: \neg \neg z = 0 \Rightarrow \neg z + \underline{b} = \underline{c} \Rightarrow \underline{b} = \underline{c} \Rightarrow \neg \forall_{\text{obj}} z: \neg \neg z = 0 \Rightarrow \neg z + \underline{a} = \underline{c} \Rightarrow \underline{a} = \underline{c}$]	
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[Prop 3.7g' $\xrightarrow{\text{stmt}} S \vdash \forall \underline{a}: \forall \underline{b}: \forall \underline{c}: \neg \forall_{\text{obj}} z: \neg \neg z = 0 \Rightarrow \neg z + \underline{a} + \underline{c} = \underline{b} + \underline{c} \Rightarrow \underline{a} + \underline{c} = \underline{b} + \underline{c} \Rightarrow \neg \forall_{\text{obj}} z: \neg \neg z = 0 \Rightarrow \neg z + \underline{a} = \underline{b} \Rightarrow \underline{a} = \underline{b}$]	
[Prop 3.7h $\xrightarrow{\text{stmt}} S \vdash \forall \underline{a}: \forall \underline{b}: \forall \underline{c}: \neg \forall_{\text{obj}} z: \neg \neg z = 0 \Rightarrow \neg z + \underline{a} = \underline{b} \Rightarrow \underline{a} = \underline{b} \Rightarrow \neg \forall_{\text{obj}} z: \neg \neg z = 0 \Rightarrow \neg z + \underline{b} = \underline{c} \Rightarrow \neg \forall_{\text{obj}} z: \neg \neg z = 0 \Rightarrow \neg z + \underline{a} = \underline{c}$]	
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