hoe gaat het met de leraar

$$
\begin{prooftree}
\AxiomC{hoe}
\RightLabel{Lex}
\UnaryInfC{$c_0 \vdash c_0 : \Diamond^{whbody}(\Diamond^{mod}\Box^{mod}(sv1 \multimap sv1) \multimap sv1) \multimap whq$}
\AxiomC{}
\RightLabel{Ax}
\UnaryInfC{$\mathrm{x}_0 \vdash \mathrm{x}_0 : \Box^{mod}(sv1 \multimap sv1)$}
\RightLabel{$\Box E$}
\UnaryInfC{$\langle \textcolor{red}{\mathrm{x}_0} \rangle^{mod} \vdash \blacktriangledown^{mod}\mathrm{x}_0 : sv1 \multimap sv1$}
\AxiomC{}
\RightLabel{Ax}
\UnaryInfC{$\mathrm{x}_0 \vdash \mathrm{x}_0 : \Diamond^{mod}\Box^{mod}(sv1 \multimap sv1)$}
\RightLabel{$\Diamond E$}
\BinaryInfC{$\mathrm{x}_0 \vdash \blacktriangledown^{mod}\triangledown^{mod}\mathrm{x}_0 : sv1 \multimap sv1$}
\AxiomC{$gaat$}
\RightLabel{Lex}
\UnaryInfC{$c_1 \vdash c_1 : \Diamond^{pc}pp \multimap \Diamond^{su}vnw \multimap sv1$}
\AxiomC{met}
\RightLabel{Lex}
\UnaryInfC{$c_3 \vdash c_3 : \Diamond^{obj1}np \multimap pp$}
\AxiomC{de}
\RightLabel{Lex}
\UnaryInfC{$c_4 \vdash c_4 : \Box^{det}(n \multimap np)$}
\RightLabel{$\Box E$}
\UnaryInfC{$\langle c_4 \rangle^{det} \vdash \blacktriangledown^{det}c_4 : n \multimap np$}
\AxiomC{$leraar$}
\RightLabel{Lex}
\UnaryInfC{$c_5 \vdash c_5 : n$}
\RightLabel{$\multimap E$}
\BinaryInfC{$\langle c_4 \rangle^{det},\ c_5 \vdash \blacktriangledown^{det}c_4\ c_5 : np$}
\RightLabel{$\Diamond I$}
\UnaryInfC{$\langle\langle c_4 \rangle^{det},\ c_5 \rangle^{obj1} \vdash \vartriangle^{obj1}\ (\blacktriangledown^{det}c_4\ c_5) : \Diamond^{obj1}np$}
\RightLabel{$\multimap E$}
\BinaryInfC{$c_3,\ \langle\langle c_4 \rangle^{det},\ c_5 \rangle^{obj1} \vdash c_3\ \ \vartriangle^{obj1}\ (\blacktriangledown^{det}c_4\ c_5) : pp$}
\RightLabel{$\Diamond I$}
\UnaryInfC{$\langle c_3,\ \langle\langle c_4 \rangle^{det},\ c_5 \rangle^{obj1} \rangle^{pc} \vdash \vartriangle^{pc}\ (c_3\ \ \vartriangle^{obj1}\ (\blacktriangledown^{det}c_4\ c_5)) : \Diamond^{pc}pp$}
\RightLabel{$\multimap E$}
\BinaryInfC{$c_1,\ \langle c_3,\ \langle\langle c_4 \rangle^{det},\ c_5 \rangle^{obj1} \rangle^{pc} \vdash c_1\ \ \vartriangle^{pc}\ (c_3\ \ \vartriangle^{obj1}\ (\blacktriangledown^{det}c_4\ c_5)) : \Diamond^{su}vnw \multimap sv1$}
\AxiomC{het}
\RightLabel{Lex}
\UnaryInfC{$c_2 \vdash c_2 : vnw$}
\RightLabel{$\Diamond I$}
\UnaryInfC{$\langle c_2 \rangle^{su} \vdash \vartriangle^{su}\ c_2 : \Diamond^{su}vnw$}
\RightLabel{$\multimap E$}
\BinaryInfC{$c_1,\ \langle c_3,\ \langle\langle c_4 \rangle^{det},\ c_5 \rangle^{obj1} \rangle^{pc},\ \langle c_2 \rangle^{su} \vdash c_1\ \ \vartriangle^{pc}\ (c_3\ \ \vartriangle^{obj1}\ (\blacktriangledown^{det}c_4\ c_5))\ \ \vartriangle^{su}\ c_2 : sv1$}
\RightLabel{$\multimap E$}
\BinaryInfC{$\textcolor{red}{\mathrm{x}_0},\ c_1,\ \langle c_3,\ \langle\langle c_4 \rangle^{det},\ c_5 \rangle^{obj1} \rangle^{pc},\ \langle c_2 \rangle^{su} \vdash \blacktriangledown^{mod}\triangledown^{mod}\mathrm{x}_0\ (c_1\ \ \vartriangle^{pc}\ (c_3\ \ \vartriangle^{obj1}\ (\blacktriangledown^{det}c_4\ c_5))\ \ \vartriangle^{su}\ c_2) : sv1$}
\RightLabel{$\multimap I$}
\UnaryInfC{$c_1,\ \langle c_3,\ \langle\langle c_4 \rangle^{det},\ c_5 \rangle^{obj1} \rangle^{pc},\ \langle c_2 \rangle^{su} \vdash \lambda \mathrm{x}_0.(\blacktriangledown^{mod}\triangledown^{mod}\mathrm{x}_0\ (c_1\ \ \vartriangle^{pc}\ (c_3\ \ \vartriangle^{obj1}\ (\blacktriangledown^{det}c_4\ c_5))\ \ \vartriangle^{su}\ c_2)) : \Diamond^{mod}\Box^{mod}(sv1 \multimap sv1) \multimap sv1$}
\RightLabel{$\Diamond I$}
\UnaryInfC{$\langle c_1,\ \langle c_3,\ \langle\langle c_4 \rangle^{det},\ c_5 \rangle^{obj1} \rangle^{pc},\ \langle c_2 \rangle^{su} \rangle^{whbody} \vdash \vartriangle^{whbody}\ \lambda \mathrm{x}_0.(\blacktriangledown^{mod}\triangledown^{mod}\mathrm{x}_0\ (c_1\ \ \vartriangle^{pc}\ (c_3\ \ \vartriangle^{obj1}\ (\blacktriangledown^{det}c_4\ c_5))\ \ \vartriangle^{su}\ c_2)) : \Diamond^{whbody}(\Diamond^{mod}\Box^{mod}(sv1 \multimap sv1) \multimap sv1)$}
\RightLabel{$\multimap E$}
\BinaryInfC{$c_0,\ \langle c_1,\ \langle c_3,\ \langle\langle c_4 \rangle^{det},\ c_5 \rangle^{obj1} \rangle^{pc},\ \langle c_2 \rangle^{su} \rangle^{whbody} \vdash c_0\ \ \vartriangle^{whbody}\ \lambda \mathrm{x}_0.(\blacktriangledown^{mod}\triangledown^{mod}\mathrm{x}_0\ (c_1\ \ \vartriangle^{pc}\ (c_3\ \ \vartriangle^{obj1}\ (\blacktriangledown^{det}c_4\ c_5))\ \ \vartriangle^{su}\ c_2)) : whq$}
\end{prooftree}
$$

$\textcolor{red}{\mathsf{hoe}\ \ \vartriangle^{whbody}\ \lambda \mathrm{x}_0.(\blacktriangledown^{mod}\triangledown^{mod}\mathrm{x}_0\ (\mathsf{gaat}\ \ \vartriangle^{pc}\ (\mathsf{met}\ \ \vartriangle^{obj1}\ (\blacktriangledown^{det}\mathsf{de\ leraar}))\ \ \vartriangle^{su}\ \mathsf{het}))}$