domenica 11 gennaio 2015
20:07

SIMULAZIONE 7-gen 2015

$$\dfrac{\dfrac{\dfrac{\dfrac{\dfrac{\dfrac{}{A \vdash A}\,\text{ax-id}}{A \to B,\ A \vdash A}\,in_{sx}}{A \to B,\ B \& A \vdash A}\,\&\text{-re}_2}{A \to B \vdash B \& A \to A}\,\to\text{-f}}{A \to B,\ \neg(B \& A \to A) \vdash}\,\neg\text{-re}}{A \to B \vdash \neg\neg(B \& A \to A)}\,\neg\text{-f}$$

$$\dfrac{\dfrac{\dfrac{\dfrac{\dfrac{\dfrac{}{C(z) \vdash C(z)}\,\text{ax-id}}{\neg C(z),\ C(z) \vdash}\,\neg\text{-re}}{\neg C(z),\ \forall y\, C(y) \vdash}\,\forall\text{-re}}{\neg C(z) \vdash \neg \forall y\, C(y)}\,\neg\text{-f}}{\neg C(z) \vdash \neg \forall y\, C(y) \vee \exists \omega\, C(\omega)}\,\vee\text{-re}_1}{\exists x\, \neg C(x) \vdash \neg \forall y\, C(y) \vee \exists \omega\, C(\omega)}\,\exists\text{-f}$$

z nuova in

$$\dfrac{\dfrac{\dfrac{\dfrac{\dfrac{\dfrac{\dfrac{\dfrac{}{C(z_1,y_1)\vdash C(z_1,y_1)}\,ax\text{-}id}{C(z_1,y_1)\vdash C(z_1,y_1)\vee C(y_1,z_1)}\,\vee\text{-}re_1}{C(z_1,y_1)\vdash \exists w\,(C(z_1,w)\vee C(w,z_1))}\,\exists\text{-}re}{\exists y\,C(z_1,y)\vdash \exists w\,(C(z_1,w)\vee C(w,z_1))}\,\exists\text{-}f\ y_1 \text{ nuova in}}{\forall x\exists y\,C(x,y)\vdash \exists w\,(C(z_1,w)\vee C(w,z_1))}\,\forall\text{-}re}{\forall x\exists y\,C(x,y)\vdash \forall z\exists w\,(C(z,w)\vee C(w,z))}\,\forall\text{-}f\ z_1 \text{ nuova in}$$

$$\dfrac{\dfrac{\dfrac{\dfrac{\dfrac{\dfrac{}{\neg C(w)\vdash \neg C(w)}\,ax\text{-}id \qquad \dfrac{}{\bot\vdash}\,ax\text{-}\bot}{\neg C(w)\to\bot,\ \neg C(w)\vdash}\,\to\text{-}re}{\neg C(w)\to\bot,\ \forall x\neg C(x)\vdash}\,\forall\text{-}re}{\exists x(\neg C(x)\to\bot),\ \forall x\neg C(x)\vdash}\,\exists\text{-}f\ w \text{ nuova in}}{\exists x(\neg C(x)\to\bot)\vdash \neg\forall x\neg C(x)}\,\neg f$$