$$\cfrac{\exists x\ \exists y\ A(x,y) \qquad \cfrac{\cfrac{\overline{\exists y\ A(x,y)}^{\ 1} \qquad \cfrac{\overline{A(x,y)}^{\ 0}}{\exists u\ A(u,y)}}{\exists u\ A(u,y)}^{\ 0}}{\cfrac{}{\exists v\ \exists u\ A(u,v)}}}{\exists v\ \exists u\ A(u,v)}^{\ 1}$$