$$[\![\text{the friend of hers and the friend of John's}]\!] =$$

$$\frac{[\,]}{\triangleright\nu} \;\Big\|\; \frac{[\,]}{\eta} \;\Big\|\; \left(\frac{\mathbf{1}_u\,[\,]}{\dfrac{}{\mathbf{sm.fr.pro}_k^{\triangleright u}} \star \lambda x.\,[\,]} \;\Big\|\; \frac{\dfrac{[\,]}{[\,]}}{\oplus} \;\Big\|\; \frac{\mathbf{1}_{u'}\,[\,]}{\dfrac{}{\mathbf{sm.fr.j}^{\triangleright u'}} \star \lambda y.\,[\,]} \right)^{\Downarrow}$$

$$\rightsquigarrow \quad \frac{[\,]}{\triangleright\nu} \;\Big\|\; \frac{[\,]}{\eta} \;\Big\|\; \left(\frac{\mathbf{1}_u\,(\mathbf{1}_{u'}\,[\,])}{\lambda g.\,\left\{ \left\langle x \oplus y,\, g^{\substack{u \mapsto x \\ u' \mapsto y}} \right\rangle \;\middle|\; \mathrm{fr}\,(g\,k)\,x,\ \mathrm{fr}\,\mathrm{j}\,y \right\}} \right)$$

$$\rightsquigarrow \quad \frac{\mathbf{1}_u\,(\mathbf{1}_{u'}\,[\,])}{\left(\eta\,\mathbf{sm.fr.pro}_k.\mathbf{fr.j}^{\triangleright u,\,u'}\right)^{\triangleright\nu}}$$