

$$\begin{array}{c}
\text{id} \quad \frac{}{\vdash s : \cap} \quad \frac{}{\vdash 3 : \cap} \\
\hline
\vdash \langle s, 3 \rangle : \cap * \cap \\
\hline
\vdash x = \langle s, 3 \rangle : \cap * \cap \quad \frac{}{\vdash \text{fst}(x) : \cap} \quad \frac{}{\vdash \text{snd}(x) : \cap} \\
\hline
\vdash \text{let } x = \langle s, 3 \rangle \text{ in } \text{fst}(x) + \text{snd}(x) : \cap
\end{array}$$