

$$\text{fmap-l} : \forall \{sd \ sd'\} \rightarrow \mid \text{sd} \rightarrow \text{sd} \leq_s \text{sd}' \rightarrow \mid \text{sd}'$$

$$\text{fmap-l} \{sd\} \ c \ (\text{<-f } f \text{<} f') = \text{popto } \text{sd} \ (\text{<-f } f \text{<} f') \ c$$

$$\begin{aligned} \text{fmap-l} \{ \langle f, d \rangle \} \{ \langle f, d' \rangle \} \ c \ (\leq\text{-d } d \leq d') = \\ \text{adjustdisp-dec} \ ((d' - d) \ d \leq d') \ (\text{--}\rightarrow \leq \ d \leq d') \\ (\text{l-sub } \{n = (d' - d) \ d \leq d'\} \ (\text{n-[n-m]}\equiv\text{m } d \leq d') \ c) \end{aligned}$$