$$A \vdash y \ : \ \mathbf{ref}(\_ \times \mathbf{lam}(\alpha_1 \cdots \alpha_n) \rightarrow (\alpha_{n+1} \cdots \alpha_{n+m}))$$
$$\forall i \in \{1 \cdots n\} \ . \ A \vdash f_i : \mathbf{ref}(\alpha_i)$$
$$\forall j \in \{1 \cdots m\} \ . \ A \vdash r_j : \mathbf{ref}(\alpha_{n+j})$$
$$\forall s \in S \ . \ A \vdash \text{welltyped}(s)$$
$$\overline{A \vdash \text{welltyped}(x = \mathbf{fun}(f_1 \cdots f_n) \rightarrow (r_1 \cdots r_m))}$$