

## cr-effective<sup>13,45</sup>

$\text{effective}(e) \equiv_{\text{def}} \exists e': \mathbf{E}(\text{Sys}). \exists e'': \mathbf{E}(\text{Out}). (e \text{ is } f_*(e') \ \& \ e' \leq_{\text{loc}} e'')$

*clarification:*

$\text{cr-effective}(es; \text{Sys}; \text{Out}; f; e)$   
 $\equiv_{\text{def}} \exists e': \text{es-E-interface}(es; \text{Sys})$   
 $\quad \exists e'': \text{es-E-interface}(es; \text{Out})$   
 $\quad (\text{fun-connected}(\text{es-E-interface}(es; \text{Sys}); f; e'; e) \ \& \ \text{es-le}(es; e'; e''))$