

## R-base-recognize<sup>11,40</sup>

$\text{R-base-recognize}(i; ds; x; k; T; test)$   
 $\equiv_{\text{def}} (\text{Rinit}(i; \mathbb{B}; x; \text{inl } \text{ff}) \oplus \text{Rframe}(i; \mathbb{B}; x; [k]))$   
 $\oplus \text{Reffect}(i; x : \mathbb{B} \oplus ds; k; T; x; \text{inl } (\lambda s, v. \text{ if } test(s, v) \text{ then tt else } s(x) \text{ fi}))$

*clarification:*

$\text{R-base-recognize}(i; ds; x; k; T; test)$   
 $\equiv_{\text{def}} (\text{Rinit}(i; \mathbb{B}; x; \text{inl } \text{ff}) \oplus \text{Rframe}(i; \mathbb{B}; x; [k / []]))$   
 $\oplus \text{Reffect}(i; \text{fpf-join}(\text{IdDeq}; x : \mathbb{B}; ds); k; T; x; \text{inl } (\lambda s, v. \text{ if } test(s, v)$   
    then tt  
    else  $s(x)$   
    fi ) )