

**fix**<sup>11,40</sup>

$f^{**}(x) \equiv_{\text{def}} \text{if eqof}(eq)(x, f(x)) \text{ then } x \text{ else } f^{**}(f(x)) \text{ fi}$

*clarification:*

$\text{fix}(eq; f; x) \equiv_{\text{def}} \text{if eqof}(eq)(x, f(x)) \text{ then } x \text{ else } \text{fix}(eq; f; f(x)) \text{ fi}$   
(*recursive*)