

msg-rename^{0,22}

$\text{msg-rename}(rtinv;m) \equiv_{\text{def}} \langle 1\text{of}(m), \text{outl}(rtinv(1\text{of}(2\text{of}(m)))) \rangle, 2\text{of}(2\text{of}(m)) \rangle$