$$\dfrac{\dfrac{\dfrac{\dfrac{}{Or(Not(x1),x3)}\ \text{asserted} \quad \dfrac{}{Or(Not(x1),x3) == Or(Not(x1),x3)}\ \text{rewrite}}{Or(Not(x1),x3)}\ \text{mp} \quad \dfrac{}{Or(Not(x1),x3) == Or(Not(x1),x3)}\ \text{rewrite}}{Or(Not(x1),x3)}\ \text{mp} \quad \dfrac{\dfrac{\dfrac{\dfrac{\dfrac{}{x1}\ \text{asserted}}{x1 == True}\ \text{iff-true}}{Not(x1) == Not(True)}\ \text{monotonicity} \quad \dfrac{}{Not(True) == False}\ \text{rewrite}}{Not(x1) == False}\ \text{trans} \quad \dfrac{\dfrac{\dfrac{\dfrac{\dfrac{\dfrac{}{x1}\ \text{asserted}}{x1 == True}\ \text{iff-true}}{Not(x1) == Not(True)}\ \text{monotonicity} \quad \dfrac{}{Not(True) == False}\ \text{rewrite}}{Not(x1) == False}\ \text{trans} \quad \dfrac{\dfrac{\dfrac{}{Or(Not(x1),Not(x3))}\ \text{asserted} \quad \dfrac{\dfrac{\dfrac{\dfrac{\dfrac{\dfrac{}{x1}\ \text{asserted}}{x1 == True}\ \text{iff-true}}{Not(x1) == Not(True)}\ \text{monotonicity} \quad \dfrac{}{Not(True) == False}\ \text{rewrite}}{Not(x1) == False}\ \text{trans