$(not(\leq (+(f(x1)(0))(*(-(1))(x3)))(-(1))))$					
Proof/Definition of a!1					
$(not(\ge (+(f(x1)(0))(*(-(1))(x3)))(0)))$					
Proof/Definition of al2					
$(=(\geq (f(x1)(0))(x3))(\geq (+(f(x1)(0))(*(-(1))(x3)))(0)))$					
Proof/Definition of a!3 definition					
$(\geq (-(x3)(f(x1)(0)))(1))$ asserted					
Proof/Definition of a!5					
(=(-(x3)(f(x1)(0)))(+(x3)(*(-(1))(f(x1)(0)))))					
Proof/Definition of al6					
$(\geq (+(x3)(*(-(1))(f(x1)(0))))(1))$					
Proof/Definition of a!7					
(=(+(x3)(*(-(1))(f(x1)(0))))(+(*(-(1))(f(x1)(0)))(x3)))					
Proof/Definition of a!9					
$(\geq (+(*(-(1))(f(x1)(0)))(x3))(1))$					
Proof/Definition of a!10 ————————————————————————————————————					
(>(f(x1)(0))(x3)) (a!3) — definition					
asserted \leftarrow rewrite $(\geq (+(f(x_1)(0))(*(-(1))(x_3)))(0))$					
Proof/Definition of a!4 mp					
$(=(\geq (-(x3)(f(x1)(0)))(1))(a!7))$					
Proof/Definition of al8					
$(=(a!10)(\leq (+(f(x1)(0))(*(-(1))(x3)))(-(1))))$					
Proof/Definition of a!11					
$(=(a!7)(\le (+(f(x1)(0))(*(-(1))(x3)))(-(1))))$					
Proof/Definition of a!12					
' ${(a!6)}$ definition ${(a!9)}$ definition	———— definition	——— definition			
— definition $\stackrel{\longleftarrow}{}$ rewrite $(a!8)$ — definition $\stackrel{\longleftarrow}{}$ rewrite	(=(a!7)(a!10))	(a!11)	——— definition		
$(a!5) \qquad \qquad$	monotonicity	rewrite	(a!12) trans	(- definition
mp			trans	$(\leq (+(f(x1)(0))(*(-(1))(x3)))(-(1))$	<i>)</i> – mp
Proof/Definition of a!13					1
${(or(a!1)(a!2))}$ definition ${(a!1)}$ definition ${(a!1)}$ definition					
\sim th-lemma (a!4) (a!13) (false)					
unit-resolution					