

Inference at \*  
of proof for Lemma add\_mono\_wrt\_eq\_rw:

$\vdash \forall a, b, n: \mathbb{Z}. \{(a = b) \iff (a + n = b + n)\}$   
by ((Unfold ‘guard’ 0)  
CollapseTHEN (Lemma ‘add\_mono\_wrt\_eq’)).