mul_cancel_in_eq2 THM

$\vdash$ $\forall$a,b:$\mathbb{Z}$, m,n:$\mathbb{Z}^{-0}$. m = n $\Rightarrow$ (m·a = n·b $\iff$ a = b)
| by Repeat Analyze ...$\mathbb{N}$
|
1. a : $\mathbb{Z}$
2. b : $\mathbb{Z}$
3. m : $\mathbb{Z}^{-0}$
4. n : $\mathbb{Z}^{-0}$
5. m = n
6. m·a = n·b
$\vdash$ a = b
  by FwdThru:
    Thm* $\forall$a,b:$\mathbb{Z}$, n:$\mathbb{Z}^{-0}$. n·a = n·b $\Rightarrow$ a = b   {mul_cancel_in_eq}
    on [n·a = n·b] ...$\mathbb{N}$
END