

```

⊢  $\forall a, b : \mathbb{Z}. (\text{imax}(a; b) \geq b)$ 
|
BY RepeatFor 2 ((D 0 THENA Auto))
|
1.  $a : \mathbb{Z}$ 
2.  $b : \mathbb{Z}$ 
⊢  $\text{imax}(a; b) \geq b$ 
|
BY (Decide [ $a \leq b$ ]. THENA Auto)
| \
| 3.  $a \leq b$ 
| ⊢  $\text{imax}(a; b) \geq b$ 
| |
1 BY ((Unfold 'imax' 0 THEN RepeatFor 2 ((CallByValueReduce 0 THENA Auto))) THEN Auto)
| \
| 3.  $\neg(a \leq b)$ 
| ⊢  $\text{imax}(a; b) \geq b$ 
|
BY ((Unfold 'imax' 0 THEN RepeatFor 2 ((CallByValueReduce 0 THENA Auto))) THEN Auto).

```