```
absval_wf  THM

⊢  ∀x:ℤ. |x| ∈ ℕ  by Unfold ‘absval‘ 0 THEN Analyze 0
|
1. x : ℤ
⊢  if 0≤₂x→ x else -x fi ∈ ℕ
  by (BoolCasesOnCExp (0≤₂x)) THEN (AbReduce 0)
END
```