```
nd_valcom_wf  THM

⊢  ∀Alph,St:Type, NDA:NDA(Alph;St), C:NComp(Alph;St), q:St.
|  NDA(C)⊢ q ∈ Prop
| by Unfold ‘nd_valcom‘ 0 THEN Unfold ‘nd_computation‘ 0
|    THEN
|    Unfold ‘list_p‘ 0
|    THEN
|    UnivCD
|    THEN
|    Analyze 4
|    THEN
|    Analyze 4
|
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| 1. Alph : Type
| 2. St : Type
| 3. NDA(Alph;St)
| 4. C : (St×Alph*)*
| 5. ||C||>0  [not for witness]
| 6. ∀i:ℕ(||C||-1). ||2of(C[i])||>0  [not for witness]
| 7. St
| 8. i : ℕ(||C||-1)
| ⊢  ||rev(2of(C[i]))||≥1  by Unhide
| |
| 5. ||C||>0
| 6. ∀i:ℕ(||C||-1). ||2of(C[i])||>0
| 7. St
| 8. i : ℕ(||C||-1)
| ⊢   by Witness6 i
|
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| 1. Alph : Type
| 2. St : Type
| 3. NDA(Alph;St)
| 4. C : (St×Alph*)*
| 5. ||C||>0  [not for witness]
| 6. ∀i:ℕ(||C||-1). ||2of(C[i])||>0  [not for witness]
| 7. St
| ⊢  ||rev(C)||≥1  by Unhide
|
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. 1. Alph : Type
. 2. St : Type
. 3. NDA(Alph;St)
. 4. C : (St×Alph*)*
. 5. ||C||>0  [not for witness]
. 6. ∀i:ℕ(||C||-1). ||2of(C[i])||>0  [not for witness]
. 7. St
. ⊢  ||rev(C)||≥1  by Unhide
END
```