```
formula_not_right_sound  THM

⊢  ∀hyp,M,N:Formula List, f2:Formula.
|  |= <f2.hyp,M @ N>  ⇒ |= <hyp,M @ (⌈◇⌉f2.N)>   by UnivCD
|
1. hyp : Formula List
2. M : Formula List
3. N : Formula List
4. f2 : Formula
5. |= <f2.hyp,M @ N>
⊢  |= <hyp,M @ (⌈◇⌉f2.N)>
| by UnfoldTopAb -1 THEN UnfoldTopAb 0 THEN Analyze 0
|
5. ∀a:Full(<f2.hyp,M @ N>). a |= <f2.hyp,M @ N>
6. a : Full(<hyp,M @ (⌈◇⌉f2.N)>)
⊢  a |= <hyp,M @ (⌈◇⌉f2.N)>  by With a (Analyze -2)
|
|\
| .....wf .....
| 5. a : Full(<hyp,M @ (⌈◇⌉f2.N)>)
| ⊢  a ∈ Full(<f2.hyp,M @ N>)  by Unfold ‘full_sequent_assignment‘ 0
| |
| ⊢  a ∈ {a:Assignment| a |= <f2.hyp,M @ N> ∨ a |≠ <f2.hyp,M @ N> }
| | by AbSetMemEqTypeCD
| |
| |\
| | ⊢  a ∈ Assignment  by Auto
| |
| .\
| . .....set predicate .....
| . ⊢  a |= <f2.hyp,M @ N> ∨ a |≠ <f2.hyp,M @ N>
| . | by Analyze -1 THEN Analyze -1
| . |
| . |\
| . | 5. a : Assignment
| . | 6. a |= <hyp,M @ (⌈◇⌉f2.N)>
| . | ⊢   by DNth 1 0
| . | |
| . | ⊢  a |= <f2.hyp,M @ N>
| . |   by BackThru
| . |      Thm* ∀hyp,M,N:Formula List, f:Formula, a:Assignment.
| . |           a |= <f.hyp,M @ N> ⟺ a |= <hyp,M @ (⌈◇⌉f.N)>
| . |      {formula_not_right_sat}
| . |
| . .\
| . . 5. a : Assignment
| . . 6. a |≠ <hyp,M @ (⌈◇⌉f2.N)>
| . . ⊢   by DNth 2 0
| . . |
| . . ⊢  a |≠ <f2.hyp,M @ N>
| . .   by BackThru
| . .      Thm* ∀hyp,M,N:Formula List, f2:Formula, a:Assignment.
| . .           a |≠ <f2.hyp,M @ N> ⟺ a |≠ <hyp,M @ (⌈◇⌉f2.N)>
| . .      {formula_not_right_falsifiable}
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.\
. 5. a : Full(<hyp,M @ (⌈◇⌉f2.N)>)
. 6. a |= <f2.hyp,M @ N>
. ⊢
.   by BackThru
.      Thm* ∀hyp,M,N:Formula List, f:Formula, a:Assignment.
.           a |= <f.hyp,M @ N> ⟺ a |= <hyp,M @ (⌈◇⌉f.N)>
.      {formula_not_right_sat}
END
```