```
ndiff_ndiff  THM

⊢  ∀a,b:ℤ, c:ℕ. ((a -- b) -- c) = (a -- (b+c))
| by Auto THEN Def of <a> -- <b>
|
1. a : ℤ
2. b : ℤ
3. c : ℕ
⊢  imax(imax(a-b;0)-c;0) = imax(a-(b+c);0)
| by Decide: a≤b THEN ElimImaxmin Auto 0
|
|\
| 4. a≤b
| ⊢  imax(0-c;0) = 0  by ElimImaxmin Auto 0
| |
| ⊢  0 = 0  by Auto
|
.\
. 4. ¬a≤b
. ⊢  imax(a-b-c;0) = imax(a-(b+c);0)  by Analyze
END
```