```
next_nat_pair_wf  THM

⊢  next_nat_pair ∈ ℕ×ℕ→ℕ×ℕ
| by Def THEN Analyze THEN New:[x | y] Analyze-1 THEN Reduce Concl
|
1. x : ℕ
2. y : ℕ
⊢  if y=₂0→ <0,x+1> else <x+1,y-1> fi ∈ ℕ×ℕ  by SplitITE Concl
END
```