```
eval_factorization_nat_plus  THM

⊢  ∀a:ℕ+, b:ℤ, f:({a..b⁻}→ℕ). Π↑{a..b⁻}(f) ∈ ℕ+
  by Def of Π↑{<int>..<int>⁻}(<exponents>) ...ℕ
     THEN
     BackThru: Thm*  ∀x,y:ℕ+. x·y ∈ ℕ+    {mul_nat_plus} ...ℕ
END
```