```
hsimp_rec_rel_wf  THM

⊢  ∀'a:S.
   simp_rec_rel ∈ ((hnum → 'a) → 'a → ('a → 'a) → hnum → hbool)
  by HN THEN Simp THEN StrongAuto THEN Unfolds [`hsimp_rec_rel`] 0
END
```