

```

theory Hnr_Fallback
  imports Hnr_Base
begin

lemma hnr_fallback:
  assumes
    " $\bigwedge h. h \models \Gamma \implies c = ci$ "
  shows
    "hnr  $\Gamma$  (return  $ci$ ) ( $\lambda r ri. \Gamma * id\_assn\ r\ ri$ ) (Some  $c$ )"

method extract_pre uses rule =
  (determ<elim mod_starE rule[elim_format]>)?

lemma models_id_assn: " $h \models id\_assn\ x\ xi \implies x = xi$ "

method hnr_fallback =
  rule hnr_fallback,
  extract_pre rule: models_id_assn,
  ((hypsubst, rule refl) | (simp(no_asm_simp) only: ; fail))

end

```