```
hres_abstract_wd  THM

⊢  ∀'a,'b:S.
|  all
|  (λP:'a → hbool. all
|                   (λB:'a → 'b. equal
|                                   (res_abstract(P,B)
|                                   ,λx:'a. cond(P(x),B(x),arb))))
| by Simpsetp [‘hol_to_nuprl‘] THEN StrongAuto
|
1. 'a : S
2. 'b : S
3. P : 'a→𝔹
4. B : 'a→'b
⊢  res_lambda('a;'b;x.P(x);x.B(x))
   =
   (λx:'a. if P(x) then B(x) else arb('b) fi )
  by Unab [‘res_lambda‘] THEN Simp THEN StrongAuto
END
```