```
hres_select_wd  THM

⊢  ∀'a:S.
|  all
|  (λP:'a → hbool. all
|                   (λB:'a → hbool. equal
|                                   (res_select(P,B)
|                                   ,select(λx:'a. and(P(x),B(x))))))
| by Simpsetp [‘hol_to_nuprl‘] THEN StrongAuto
|
1. 'a : S
2. P : 'a→𝔹
3. B : 'a→𝔹
⊢  res_choose('a;x.P(x);x.B(x)) = (@b x:'a. ((P(x))∧2(B(x))))
  by Unab [‘bchoose‘;‘res_choose‘] THEN Simp THEN StrongAuto
END
```