```
card_st_sized_bool  THM

⊢  ∀p:(ℕa {k}→ 𝔹). {i:ℕa| p(i) } ∼ ℕk
| by Auto THEN Analyze-1 THEN Hyp:-1  Asserted
|
1. k : ℕ
2. a : ℕ
3. p : ℕa→𝔹
4. 𝔹size(ℕa)(p) = k
⊢  {i:ℕa| p(i) } ∼ ℕk
| by Rewrite by
|     Thm*  ∀p:(ℕa→𝔹). {x:ℕa| p(x) } ∼ ℕ(𝔹size(ℕa)(p))
|     {card_st_vs_boolsize}
|
⊢  ℕ(𝔹size(ℕa)(p)) ∼ ℕk  by Rewrite by Hyp:4
END
```