```
sfa_doc_exteq_gfun2  THM

⊢  ∀A:Type, P:(A→Prop), B:(x:A→Type(given P(x))).
|  x:{u:A| P(u) }→B(x) =ext x:A→B(x)(given P(x))
| by SimilarTo
|    Thm* ∀B:(A→Prop), C:({u:A| B(u) }→Type).
|         x:{u:A| B(u) }→C(x) =ext x:A→C(x)(given B(x))
|    {sfa_doc_exteq_gfun}
|
.....wf .....
1. A : Type
2. P : A→Prop
3. B : x:A→Type(given P(x))
⊢  B ∈ {u:A| P(u) }→Type
  by BackThru:
     Thm* ∀P:(A→Prop). {x:A| P(x) }→Prop =ext x:A→Prop(given P(x))
     {sfa_doc_exteq_gprop}
END
```