```
fun_with_inv2_is_surj  THM

⊢  InvFuns(A;B;f;g) ⇒ Surj(A; B; f)  by Def of InvFuns(A;B;f;g)
|
1. A : Type
2. B : Type
3. f : A→B
4. g : B→A
5. ∀x:A. g(f(x)) = x
6. ∀y:B. f(g(y)) = y
⊢  Surj(A; B; f)  by Analyze
|
7. b : B
⊢  ∃a:A. f(a) = b  by Witness: g(b)
|
⊢  f(g(b)) = b  by BackThru: Hyp:6
END
```