```
for_hdtl_wf  THM

⊢  ∀A,B,C:Type, f:(B→C→C), k:C, as:A List, g:(A→(A List)→B).
   (ForHdTl{A,f,k} h::t ∈ as. g(h,t)) ∈ C
  by Unfold ‘for_hdtl‘ 0 THEN RepD
END
```