```
ma-sub_wf  THM

⊢  ∀M1,M2:MsgA. M1 ⊆ M2 ∈ Prop
  by Auto THEN Unfold_MsgA -2 THEN Unfold_MsgA -1 THEN DoSubsume
     THEN
     Try
     (BackThru
      Thm* ∀B1,B2:(A→Type).
           (∀a:A. B1(a) ⊆r B2(a))
           ⇒
           (a:A fp-> B1(a) ⊆r a:A fp-> B2(a))
      {subtype_DASH_fpf2})
     THEN
     Repeat UseSubtypeRelLemmas
     THEN
     Try
     (BackThru
      Thm* ∀eq:EqDecider(X), f,g:x:X fp-> Type, x:X.
           f ⊆ g ⇒ (f(x)?Void ⊆r g(x)?T)
      {subtype_DASH_fpf_DASH_cap_DASH_void})
     THEN
     Try
     (BackThru
      Thm* ∀eq:EqDecider(X), f,g:x:X fp-> Type, x:X.
           g ⊆ f ⇒ (f(x)?T ⊆r g(x)?Top)
      {subtype_DASH_fpf_DASH_cap_DASH_top})
END
```