```
ma-single-effect-feasible  THM

⊢  ∀x:Id, k:Knd, ds:x:Id fp-> Type, da:a:Knd fp-> Type,
    f:(State(ds)→ma-valtype(da; k)→ds(x)?Void).
   ∀x∈dom(ds). A=ds(x) ⇒  A
   ⇒
   ∀k∈dom(da). A=da(k) ⇒  A
   ⇒
   Feasible(ma-single-effect(ds; da; k; x; f))
  by ((ProveItFeasible THEN DVar ‘da’ THEN Reduce 0 THEN DVar ‘ds’
       THEN
       Reduce 0
       THEN
       All
       (λi.
        Repeat (Unfolds [‘fpf-all‘;‘fpf-ap‘;‘fpf-dom‘] i)
        THEN
        Reduce i)
       THEN
       Try BackThruSomeHyp
       THEN
       DupHyp -1
       THEN
       RWO
       Thm* ∀eq:EqDecider(A), L:A List, x:A.
            deq-member(eq;x;L) ⟺ (x ∈ L)
       {assert_DASH_deq_DASH_member}
       -1)
      THEN
      OrLeft)
     THEN
     Try BackThruSomeHyp
END
```