```
s-effect-rule  THM

⊢  ∀i,x:Id, k:Knd, ds:a:Id fp-> Type, da:a:Knd fp-> Type,
    f:(State(ds)→ma-valtype(da; k)→ds(x)?Void).
   @i: ma-single-effect(ds; da; k; x; f) ∈ Dsys
   & (∀D:Dsys.
      @i: ma-single-effect(ds; da; k; x; f) ⊆ D
      ⇒
      D
      realizes es.(∀x:Id. vartype(i;x) ⊆r ds(x)?Top)
                  & (∀e:E.
                     loc(e) = i
                     ⇒
                     (valtype(e) ⊆r ma-valtype(da; kind(e))))
                  & (∀e:E.
                     loc(e) = i
                     ⇒
                     kind(e) = k
                     ⇒
                     (x after e) = f((λz.(z when e)),val(e))))
  by SpecializeEsLemmaOn Thm: effect_DASH_rule
     ma-single-effect(ds; da; k; x; f)
END
```