```
d-realizes2-implies-realizes  THM

⊢  ∀D:Dsys, P:({es:ES| es is an event system of D }→Prop).
|  D realizes2 es.P(es) ⇒ D realizes es.P(es)
| by Auto THEN Unfold ‘d-realizes2‘ -1 THEN Unfold ‘d-realizes‘ 0
|    THEN
|    BackThruSomeHyp
|
1. D : Dsys
2. P : {es:ES| es is an event system of D }→Prop
3. ∀w:World, p:FairFifo. PossibleWorld(D;w) ⇒ P(ES(w))
4. D’ : Dsys
5. D ⊆ D’
6. w : World
7. FairFifo
8. PossibleWorld(D’;w)
⊢  PossibleWorld(D;w)
  by Inst
     Thm* ∀A,B:Dsys.
          A ⊆ B
          ⇒
          (∀w:World. PossibleWorld(B;w) ⇒ PossibleWorld(A;w))
     {possible_DASH_world_DASH_monotonic}
     [D;D’;w]
END
```