Dconstant__realizes THM

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⊢  ∀T:Type, c:T, x,i:Id.
|  λloc.⊕(Dconstant(loc;T;c;x;i))
|  realizes es.∀e@i.(x when e) = c  by RealizerSetup THEN EsInvariant
|
|\
| 1. T : Type
| 2. c : T
| 3. x : Id
| 4. i : Id
| 5. (λloc.⊕(Dconstant(loc;T;c;x;i))) ∈ Dsys
| 6. D' : Dsys
| 7. λloc.⊕(Dconstant(loc;T;c;x;i)) ⊆ D'
| 8. w : World
| 9. p : FairFifo
| 10. PossibleWorld(D';w)
| ⊢  (vartype(i;x) ⊆r T) & ∀e@i.first(e) ⇒ (x when e) = c
|   by InitRule
|
.\
. 1. T : Type
. 2. c : T
. 3. x : Id
. 4. i : Id
. 5. (λloc.⊕(Dconstant(loc;T;c;x;i))) ∈ Dsys
. 6. D' : Dsys
. 7. λloc.⊕(Dconstant(loc;T;c;x;i)) ⊆ D'
. 8. w : World
. 9. p : FairFifo
. 10. PossibleWorld(D';w)
. ⊢  ∀e@i.(x when e) = c ⇒ (x after e) = c
. | by Assert ∀e@i.(x after e) = (x when e)
. |
. |\
. | .....assertion .....
. | 1. T : Type
. | 2. c : T
. | 3. x : Id
. | 4. i : Id
. | 5. (λloc.⊕(Dconstant(loc;T;c;x;i))) ∈ Dsys
. | 6. D' : Dsys
. | 7. λloc.⊕(Dconstant(loc;T;c;x;i)) ⊆ D'
. | 8. w : World
. | 9. p : FairFifo
. | 10. PossibleWorld(D';w)
. | ⊢  ∀e@i.(x after e) = (x when e)  by FrameRule0
. |
. .\
. . 1. T : Type
. . 2. c : T
. . 3. x : Id
. . 4. i : Id
. . 5. (λloc.⊕(Dconstant(loc;T;c;x;i))) ∈ Dsys
. . 6. D' : Dsys
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. . 7. λloc.⊕(Dconstant(loc;T;c;x;i)) ⊆ D'
. . 8. w : World
. . 9. p : FairFifo
. . 10. PossibleWorld(D';w)
. . 11. ∀e@i.(x after e) = (x when e)
. . ⊢  ∀e@i.(x when e) = c ⇒ (x after e) = c
. .   by RepeatFor 3 (ParallelOp -1) THEN HypSubst -1 0
END
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