```
fpf-cap-single  THM

⊢  ∀A:Type, eq:EqDecider(A), x,y:A, v,z:Top.
   x : v(y)?z ∼ if eqof(eq)(x,y)→ v else z fi
  by UnivCD THEN Repeat (Unfolds [‘fpf-cap‘;‘fpf-single‘;‘fpf-ap‘] 0)
     THEN
     Unfold ‘fpf-dom‘ 0
     THEN
     Reduce 0
     THEN
     SplitOnConclITE
     THEN
     SplitOnConclITE
     THEN
     Try Trivial
     THEN
     AllHyps ElimOrFalse
END
```