Inference at $*$ 1
 of proof for Lemma do-apply-mu':

1. A : Type
2. P : $A\rightarrow \mathbb{N} \rightarrow \mathbb{B}$
3. d : $\forall x{:}A.$ Dec($\exists n{:}\mathbb{N}.$ ($\uparrow(P(x,n))$))
4. x : A

$\vdash$($\uparrow$isl((TERMOF{p-mu-decider:ObjectId, 1:l, i:l}(A,P,d,x)).1))
 $\Rightarrow$ {($\uparrow(P(x,$outl((TERMOF{p-mu-decider:ObjectId, 1:l, i:l}(A,P,d,x)).1))))
  & ($\forall i{:}${0..outl((TERMOF{p-mu-decider:ObjectId, 1:l, i:l}(A,P,d,x)).1)$^-$}.
   $\neg(\uparrow(P(x,i))))$}
 by (GenConclAtAddr [1;1;1;1])
 CollapseTHEN ((Thin (-1))
 CollapseTHEN (((D (-1)$\cdot$)

  CollapseTHEN (Reduce 0)$\cdot$)
 CollapseTHEN (((D (-2)$\cdot$)
 CollapseTHEN (Reduce 0)$\cdot$)

  CollapseTHEN ((RepUR “p-mu“ (-1)$\cdot$)
 CollapseTHEN ((MaAuto$\cdot$)
 CollapseTHEN ((
  Unfold ‘guard‘ (0)$\cdot$)
 CollapseTHEN (MaAuto$\cdot$)$\cdot$)$\cdot$)$\cdot$)$\cdot$)$\cdot$)$\cdot$

  .

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http://www.nuprl.org/FDLcontent/p0_963683_/p20_438131_{do-apply-mu!}1.html