Inference at $*$ 2
of proof for Lemma p-mu-exists:

1. $P : \mathbb{N} \rightarrow \mathbb{B}$
2. $\neg(\exists n{:}\mathbb{N}.\ (\uparrow(P(n))))$

$\vdash \exists x{:}\mathbb{N} + \text{Top}.\ \text{p-mu}(P;x)$

```
  by (InstConcl [inr · ])
  CollapseTHEN ((Auto·)
  CollapseTHEN ((UnfoldTopAb 0)

     CollapseTHEN ((Reduce 0)
  CollapseTHEN ((Auto·)
  CollapseTHEN ((ParallelOp ( -2)·)

     CollapseTHEN ((InstConcl [i])
  CollapseTHEN (Auto·)·)·)·)·)·)·

    .
```

http://www.nuprl.org/FDLcontent/p0_963683_/p28_1028224_{p-mu-exists}2.html