Transferring Types

- `CTYPE` creates a set membership property from the HOL type of each constant.
- `CTYPE "|0|"` yields

  $\vdash$ |0| $\in$ |*num*|
- `CTYPE "|Suc|"` yields

  $\vdash$ |Suc| $\in$ |*num*| $\rightarrow$ |*num*|
- `CTYPE "|+|"` yields

  $\vdash$ |+| $\in$ |*num*| $\rightarrow$ (|*num*| $\rightarrow$ |num|)
- `CTYPE "|∃|"` yields

  Inhab α $\vdash$
  (|∃| α) $\in$ (α $\rightarrow$ |*bool*|) $\rightarrow$ |*bool*|