$[PERSON]$

$Committee == [member : \mathbb{F}\, PERSON;\ chair : PERSON \mid chair \in member]$

$CommitteeInit == [Committee';\ founder? : PERSON \mid member' = \{founder?\};\ chair' = founder?]$

$NewMember == [\Delta Committee;\ new? : PERSON \mid new? \notin member;\ member' = member \cup \{new?\};\ chair' = chair]$

$RotateChair == [\Delta Committee \mid chair' \neq chair;\ member' = member]$

$CountOrdinary == [\Xi Committee;\ ans! : \mathbb{N} \mid ans! = \#(member \setminus \{chair\})]$

C

$co : iseq\ PERSON$

$co \neq \langle\rangle$

LI

$C;\ Committee$

$chair = co\, 1$

$member = ran\ co$

CInit

C'

$founder? : PERSON$

$co' = \langle founder? \rangle$

CNewMember

ΔC

$new? : PERSON$

$new? \notin ran\ co$

$co' = co \frown \langle new? \rangle$

Wrap around. Tail is everything but element 1 (chair). We move element 1 to the back.

CRotateChair

ΔC

$co' = tail\ co \frown \langle head\ co \rangle$

Alternately just count co -1..

CCOuntOrdinary

ΞC

$ans! : \mathbb{N}$

$ans! = \#(ran\ (tail\ co))$