Let $PERSON$ be the set of all people:

$$[PERSON].$$

A 'club' has a set of members and a president, who is one of the members:

```
┌─ Club ──────────────────────────────────────────
│ members : ℙ PERSON
│ president : PERSON
├─────────────────────────────────────────────────
│ president ⊆ members
└─────────────────────────────────────────────────
```

To enroll somebody in the club, we just add them to the set of members:

```
┌─ Enroll ────────────────────────────────────────
│ ΔClub
│ new? : PERSON
├─────────────────────────────────────────────────
│ members' = members ∪ new?
│ president' = president
└─────────────────────────────────────────────────
```

The president doesn't change when a new member is enrolled.