

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:

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|-------------------------------|--|
| $Club$ | |
| $members : \mathbb{P} PERSON$ | |
| $president : PERSON$ | |
| $president \subseteq members$ | |

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

| | |
|--------------------------------|--|
| $Enroll$ | |
| $\Delta Club$ | |
| $new? : PERSON$ | |
| $members' = members \cup new?$ | |
| $president' = president$ | |

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