

**pred!**<sup>0,22</sup>

$\text{pred!}(e;e') \equiv_{\text{def}} \neg\text{first}(e') \ \& \ e = \text{pred}(e') \vee \text{rcv?}(e') \ \& \ e = \text{sender}(e')$

*clarification:*

$\text{pred!}(E;\text{pred?};\text{info};e;e')$

$\equiv_{\text{def}} \neg\text{first}(\text{pred?};e') \ \& \ e = \text{pred}(\text{pred?};e') \in E \vee \text{rcv?}(\text{info};e') \ \& \ e = \text{sender}(\text{info};e') \in E$