

once-lemma^{11,40}

$\forall es:ES, i, a, done:Id.$
 $@i \text{ } done \text{ initially ff}:\mathbb{B}$
 $\Rightarrow @i \text{ only } [locl(a)] \text{ affect } done:\mathbb{B}$
 $\Rightarrow @i \text{ events of kind } locl(a) \text{ change } done \text{ to } \lambda s.v. \text{ tt State}(done : \mathbb{B}) \text{ (val:Unit)}$
 $\Rightarrow @i \text{ Precondition for } a(Outcome(*1*))$
 $\quad \lambda s. \neg_b(s(done)) \text{ discrete state}(done : \mathbb{B})$
 $\Rightarrow (\forall e @i. \forall e' @i. (kind(e) = locl(a) \in Knd) \Rightarrow (kind(e') = locl(a) \in Knd) \Rightarrow (e = e' \in E))$
 $\quad \& \exists e @i. kind(e) = locl(a) \in Knd)$