glued-first[11,40]

$\forall es$:ES, A, B:Type, Ias:(AbsInterface(A) List), Ibs:(AbsInterface(B) List),
  f:(E(p-first(Ias))$\rightarrow B$).
$(\forall Ia_1, Ia_2 \in Ias. \ \forall e, e'$:E. $(\uparrow(e \in_b Ia_1)) \Rightarrow (\uparrow(e' \in_b Ia_2)) \Rightarrow (\neg(\text{loc}(e) = \text{loc}(e') \in \text{Id})))$
$\Rightarrow (\forall Ib_1, Ib_2 \in Ibs. \ Ib_1 \cap Ib_2 = 0)$
$\Rightarrow (\|Ias\| = \|Ibs\| \in \mathbb{Z})$
$\Rightarrow (\forall i:\{0..\|Ias\|^-\}. \ \text{glued}(es; \ B; \ f; \ Ias[i]; \ Ibs[i]))$
$\Rightarrow \text{glued}(es; \ B; \ f; \ \text{p-first}(Ias); \ \text{p-first}(Ibs))$