trigger1-p[11,40]

@i k(v:T) triggers local action a
   when P (x:A) v
$\equiv_{\text{def}}$ (vartype(i;x) $\subseteq$r A) & $\forall e$@i. (kind(e) = k) $\Rightarrow$ (valtype(e) $\subseteq$r T)
    & $\forall e'$@i.
      (kind(e') = locl(a))
      $\Rightarrow$ ($\exists e$:E. ((e <loc e') & kind(e) = k & ($\uparrow$(P((x when e),val(e))))))
     & $\forall e$@i. (kind(e) = k) $\Rightarrow$ ($\uparrow$(P((x when e),val(e)))) $\Rightarrow$ $\exists e'$@i.kind(e') = locl(a)

clarification:

trigger1-p(es;T;A;P;i;k;a;x)
$\equiv_{\text{def}}$ (es-vartype(es; i; x) $\subseteq$r A)
   & alle-at(es;i;e.(es-kind(es; e) = k $\in$ Knd) $\Rightarrow$ (es-valtype(es; e) $\subseteq$r T))
   & alle-at(es;i;e'.(es-kind(es; e') = locl(a) $\in$ Knd)
     $\Rightarrow$ ($\exists e$:es-E(es)
       (es-locl(es; e; e')
       & es-kind(es; e) = k $\in$ Knd
       & ($\uparrow$(P(es-when(es; x; e),es-val(es; e)))))))))
   & alle-at(es;i;e.(es-kind(es; e) = k $\in$ Knd)
     $\Rightarrow$ ($\uparrow$(P(es-when(es; x; e),es-val(es; e))))
     $\Rightarrow$ existse-at(es; i; e'.(es-kind(es; e') = locl(a) $\in$ Knd)))