es-pplus-first-since-exit[11,40]

$\forall es$:ES, e_1:E, e_2:{e:E| loc(e) = loc(e_1) ∈ Id} , Q, R:({e:E| loc(e) = loc(e_1) ∈ Id} → ℙ).
(∀e:{e:E| loc(e) = loc(e_1) ∈ Id} . Dec(Q(e)))
⇒ ([e_1,e_2]∼([a,b].b = first e ≥ a.Q(e) & ∀e∈[a,b).¬R(e))+
⟺ (e_1 ≤loc e_2 & Q(e_2) & ∀e∈[e_1,e_2].R(e) ⇒ Q(e)))

http://www.nuprl.org/FDLcontent/p0_963683_/p32_159824_{es-pplus-first-since-exit}.html