loc-on-path-decomp[11,40]

$\forall es$:ES, Sys:AbsInterface(Top), L:(E(Sys) List), j:Id.
loc-on-path(es;j;L)
$\Rightarrow$ ($\exists u$:E(Sys)
  ($\exists A,B$:E(Sys) List. (loc(u) = j & L = (A @ [u / B]) & (¬loc-on-path(es;j;A)))))

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http://www.nuprl.org/FDLcontent/p0_963683_/p39_463254_{loc-on-path-decomp}.html