quot_elim[12,41]

$\forall T$:Type, E:($T \to T \to \mathbb{P}$).
EquivRel(T;x,y.$E(x,y)$) $\Rightarrow$ ($\forall a$, b:T. ($a = b \in (x,y{:}T//E(x,y))) \iff (\downarrow E(a,b))$)

ProofTree

---

http://www.nuprl.org/FDLcontent/p0_942988_/p15_4638_{quot_elim}.html