l_exists_reduce[11,40]

$\forall T$:Type, L:(T List), P:($T \rightarrow \mathbb{B}$).
l_exists(L; T; $x.(\uparrow P(x))$) $\Longleftrightarrow$ ($\uparrow$reduce(($\lambda x,y.$ bor($P(x)$; y)); ff; L))