first_index_wf[4,23]

$\forall T$:Type, L:T List, P:($T \rightarrow \mathbb{B}$). index-of-first x in $L.P(x) \in \mathbb{N}$

http://www.nuprl.org/FDLcontent/p0_802137_/p95_366825_{first_index_wf}.html