find-hd-filter^{0,22}

$\forall T$:Type, P:($T \rightarrow \mathbb{B}$), as:T List, d:Top.
($\exists a$:T. ($a \in as$) & $P(a)$) $\Rightarrow$ (first $a \in as$ s.t. $P(a)$ else d) $=$ hd(filter($\lambda a.P(a)$;as)) $\in T$

http://www.cs.cornell.edu/Info/Projects/NuPrl/FDLcontent/p0_286125_/p33_247238_{find-hd-filter}.html