choicef[12,41]

$\in x{:}T.\ P(x) \equiv_{\mathrm{def}}$ case $xm(\{y{:}T|\ P(y)\}\ )$ of inl$(z) => z$ | inr$(w) =>$ "???"

clarification:

choicef$(xm;\ T;\ x.P(x)) \equiv_{\mathrm{def}}$ case $xm(\{y{:}T|\ P(y)\}\ )$ of inl$(z) => z$ | inr$(w) =>$ "???"

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http://www.nuprl.org/FDLcontent/p0_942988_/p2_3675_{choicef}.html