nequal[12,41]

$a \neq b \in T \equiv_{\text{def}} \neg(a = b)$

clarification:

$a \neq b \in T \equiv_{\text{def}} \neg(a = b \in T)$

http://www.nuprl.org/FDLcontent/p0_942988_/p8_2090_{nequal}.html