w-knum[11,40]

w-knum(w;i;k;t)
$\equiv_{\text{def}}$ sum(if $(\neg_b$isnull(a(i;n))) $\wedge_b$ kind(a(i;n)) $= k$ then 1 else 0 fi $\mid n < t$)

clarification:

w-knum(w;i;k;t)
$\equiv_{\text{def}}$ sum(if $(\neg_b$w-isnull(w; w-a(w; i; n))) $\wedge_b$ w-kind(w; w-a(w; i; n)) $= k$
then 1
else 0
fi $\mid n < t$)

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http://www.nuprl.org/FDLcontent/p0_963683_/p23_185171_{w-knum}.html