

w-knum^{11,40}

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

clarification:

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