

sub-es-sender^{11,40}

sub-es-sender($es; dom; e$)
 \equiv_{def} if $dom(\text{sender}(e))$ then $\text{sender}(e)$ else sub-es-sender($es; dom; \text{sender}(e)$) fi

clarification:

sub-es-sender($es; dom; e$)
 \equiv_{def} if $dom(\text{es-sender}(es; e))$
 then $\text{es-sender}(es; e)$
 else sub-es-sender($es; dom; \text{es-sender}(es; e)$)
 fi
(*recursive*)