

max-of-eventset^{11,40}

$\forall es:\mathbf{ES}, P:(\mathbf{E} \rightarrow \mathbb{P}), e:\mathbf{E}.$
 $(\forall e':\mathbf{E}. e' \text{ c}\leq e \Rightarrow \text{Dec}(P(e')))$
 $\Rightarrow ((\forall e':\mathbf{E}. e' \text{ c}\leq e \Rightarrow (\neg P(e'))$
 $\quad \vee (\exists m:\mathbf{E}. (m \text{ c}\leq e \ \& \ P(m) \ \& \ (\forall x:\mathbf{E}. ((m < x) \ \& \ x \text{ c}\leq e) \Rightarrow (\neg P(x))))))$