

$\overset{0}{w} =$   
 $b_0b_1\dots$   
 $\sum$   
 $\overline{w}$   
 $b_i$   
 $\sum_i$   
 $\overline{w}$   
*clock*  
*Clock*  
 $\overline{val}$   
 $\overline{d}$   
*tions.*  
*clock*  
 $\overline{val}$   
 $\overline{d}$   
 $\overline{tqn}$   
 $\overline{d} \rightarrow$   
 $[0,\infty)$   
 $\nu$   
 $X \subseteq$   
 $t$   
 $\nu X$   
 $\nu X(x) =$   
 $0$   
 $x \in$   
 $X$   
 $\nu X(x) =$   
 $\nu(x)$   
 $\nu t$   
 $(\nu t)(x) =$   
 $\nu(x) +$   
 $t$   
 $x \in$   
 $(x) =$   
 $0$   
 $x \in$   
*Clock*  
 $\overline{con}$   
*straints.*  
*clock*  
 $\overline{con}$   
*straints*  
 $\phi := \mid x \leq$   
 $d \mid c \leq$   
 $x \mid x +$   
 $c \leq$   
 $y \vdash$   
 $d \mid \neg \phi \mid \phi \wedge$   
 $\phi$   
 $x, y \in$   
 $c, d \in_0$   
 $\models$   
 $\nu$   
 $\phi$   
 $x \in$   
 $\phi$   
 $\nu(x)$   
 $\phi$   
 $\phi$   
 $\phi$   
*dis-*  
*crete*  
*prob-*  
 $\overline{a}$   
*bil-*  
*ity*  
*dis-*  
*tri-*  
*bu-*  
*tion*  
 $q:$   
 $U \rightarrow$   
 $[0,1]$   
 $\sum_{z \in U} q(z) =$   
 $1$   
*sup-*  
*port*  
 $q :=$   
 $\{z \in$   
 $U \mid$   
 $q(z) >$   
 $0\}$   
 $U$   
 $U$   
 $?$   
*prob-*  
 $\overline{a}$   
*bilis-*  
*tac*  
*typed*  
 $\overline{a}$   
*toma-*  
*ton*  
 $= (*, , , , , , , )$

(1)

*lo-*  
*ca-*  
*tions*  
 $\ast \in$