

$NFPenergy$
 $prob[0,1]$
 $80\%20\%$
 $time \rightarrow$
 R^+
 $[a,b]$
 $f(x) =$
 $\lambda e^{-\lambda x} >$
 $0\lambda >$
 0
 $t1-$
 $e^{-rt}\lambda$

$\phi_{distr} := \tilde{c}[type, a, b](1)$

$typetypeUnifabtypeExpa\lambda b$
 $diff()$

$\begin{matrix} x \\ evn_x \prec \\ evn_y evn_x evn_y \\ evn_x \succ \\ evn_y evn_x evn_y \\ evn_x \approx \\ evn_y evn_x evn_y \\ evn_x \sim \\ evn_y evn_x evn_y \end{matrix}$

$TRUEFALSE??$
 $\phi_{bol} ::= A(x) \mid \phi_1 \bowtie \phi_2 \mid \neg \phi \mid \phi_1 \vee \phi_2 \mid \phi_1 \wedge \phi_2 \mid \forall x. \phi(x) \mid \exists x. \phi(x)$

(2) $A(x)x$
 $\bowtie < == > \phi_{bol_1} \phi_{bol_2}$
 $\neg \vee \wedge$
 $\forall x.$
 $\phi_{bol}(x) \exists x.$
 $\phi_{bol}(x)xx\phi_{bol}(x)xx\phi_{bol}(x)$

$\phi_{diff}(x, dx/dt) = 0$
 (3) $m(t)m(t)\phi_{diff}(x, dx/dt) =$
 0
 $y <$
 800

$\phi_{inv} ::= A(x) \mid \phi_1 \bowtie \phi_2 \mid \phi_1 \wedge \phi_2$
 (4) $A(x)x\bowtie < == >$
 xa
 $\phi_{assig} ::= x := a$

(5) ax
 $HWPowerHWPowerSupplyHWBatteryHWPowerSupply??$
 $??ResourceUsageHWHavestoreenergyType$

$SequenceDiagramSD = < Obj, Msg, Exec, Frag, Point, Evn >$
 (6)

$Objprinter :$
 $Appliance$
 $Msgmsg =$
 $(ctn, src, tgt)ctnid :$
 $operation(parameters)020 :$
 $sendTempData(td)020td$
 $Execexec \in$
 $Execexec.obj \in$
 Obj
 $Fragfrag \in$
 $Fragfrag =$
 $(name, type, area)$
 $p \in$
 $Pointp(exec, frag, rs, order)execfrags\{0,1\}01p.order$
 $m \in$
 $Msg!m?m!m?mEvnnevn =$
 $(msg, p)evnevn.p.rsSERESE \cap$
 $RE =$
 \emptyset
 $optopt$
 $gltr$
 par
 $looplooploop(1,10)$
 $??$
 $altarea_i[0,1]prob_i??a80\%sendRight(rData)20\%sendWrong(wData)$
 $??bm5xy$
 $evn_x.p.exec.obj ==$
 $evn_y.p.exec.obj \wedge$
 $evn_x.p.order <$
 $(>$
 $)evn_y.p.order \implies$
 $evn_x \prec$
 $(>$