CONTEXT
BBSLADS_system_Deep
SETS
Action
CONSTANTS
Stop
Non_Stop
ads
AXIOMS
axm1: $partition(Action, \{Stop\}, \{Non\_Stop\})$
axm2: $ads \in BBSL(Action, BB2D(\mathbb{Z},\mathbb{Z}) \times Interval(\mathbb{Z}))$
axm3: $actions(ads) = Action$
axm4: $variables(ads) = BB2D(\mathbb{Z},\mathbb{Z}) \times Interval(\mathbb{Z})$
axm5:
$bbslcase(ads) =$
$\{(bb \mapsto stopping\_order) \mapsto act \mid bb \in BB2D(\mathbb{Z},\mathbb{Z}) \land stopping\_order \in Interval(\mathbb{Z}) \land$
$((act = Stop \land (IoverlapInt(projy2d(bb), stopping\_order)$
$\lor IleInt(projy2d(bb), stopping\_order))) \lor$
$(act = Non\_Stop \land IleInt(stopping\_order, projy2d(bb))))\}$
axm6: $hyp(ads) = \{bb \mapsto stopping\_order \mid$
$bb \in BB2D(\mathbb{Z},\mathbb{Z}) \land stopping\_order \in Interval(\mathbb{Z}) \land NotEmpty2DInt(bb) \land ItoSetInt(stopping\_order) \neq \emptyset\}$
THEOREMS
axm7: $BBSLWellCons(ads)$
END