

$\langle Rule \rangle$	$::= \langle Name \rangle \text{' : ' } \langle Atom \rangle$
$\langle Atom \rangle$	$::= \langle Event \rangle$ $\langle State \rangle$
$\langle Event \rangle$	$::= \langle Operator \rangle$ $\langle Role \rangle \text{' => ' } \langle Status \rangle$
$\langle Operator \rangle$	$::= \langle Precedes \rangle$ $\langle During \rangle$ $\langle Overlapping \rangle$ $\langle Occurs \rangle$ $\langle And \rangle$ $\langle Or \rangle$
$\langle Precedes \rangle$	$::= \text{'Precedes' } [(\text{'_greater' } \text{'_less' }) \text{' (' } \langle Time \rangle \text{') ' }] \text{' (' } \langle Event \rangle \text{' , ' } \langle Event \rangle \text{') '}$
$\langle During \rangle$	$::= \text{'During(' } \langle Event \rangle \text{' , ' } \langle State \rangle \text{') '}$
$\langle Overlapping \rangle$	$::= \text{'Overlapping' } [(\text{'_greater' } \text{'_less' }) \text{' (' } \langle Time \rangle \text{') ' }] \text{' (' } \langle State \rangle \text{' , ' } \langle State \rangle \text{') '}$
$\langle Occurs \rangle$	$::= \text{'Occurs(' } \langle Event \rangle \text{' , ' } \langle State \rangle \text{') '}$ $\text{'Occurs' } [(\text{'_greater' } \text{'_less' }) \text{' (' } \langle Time \rangle \text{') ' }] \text{' (' } \langle State \rangle \text{' , ' } \langle State \rangle \text{') '}$
$\langle And \rangle$	$::= \text{'And(' } \langle Event \rangle \text{' , ' } \langle Event \rangle [\text{' , ' } \langle Event \rangle] \text{') '}$
$\langle Or \rangle$	$::= \text{'Or(' } \langle Event \rangle \text{' , ' } \langle Event \rangle [\text{' , ' } \langle Event \rangle] \text{') '}$
$\langle State \rangle$	$::= \langle Role \rangle \text{' = ' } \langle Status \rangle$ $\text{' (' } \langle Simple_State \rangle \text{')_delta(' } (\text{'<' } \text{'>' }) \langle Time \rangle \text{') '}$
$\langle Role \rangle$	$::= \langle Identifier \rangle [\text{' (' } \langle Identifier \rangle \text{') ' }]$
$\langle Time \rangle$	$::= \{ \text{'0'.. '9' } \} \langle Time_unit \rangle$
$\langle Time_unit \rangle$	$::= \text{'second' } [\text{'s' }]$ $\text{'minute' } [\text{'s' }]$ $\text{'hour' } [\text{'s' }]$
$\langle Status \rangle$	$::= \{ \text{'a'.. 'z' } \text{'0'.. '9' } \}$ $(\text{'<' } \text{'>' }) \{ \text{'0'.. '9' } \}$
$\langle Identifier \rangle$	$::= (\text{'a'.. 'z' } \text{'A'.. 'Z' }) [\{ (\text{'a'.. 'z' } \text{'A'.. 'Z' } \text{'_ ' } \text{'0'.. '9' }) \}]$