```
process := decl^+
          decl ::= event\_decl \mid protocol\_decl \mid variable\_decl \mid property\_decl \mid rule\_decl
   event\_decl := event (event\_name (, event\_name)^*;)^+
protocol\_decl ::= \mathbf{protocol} \ (protocol;;)^+
     protocol ::= any \mid event\_name \mid protocol ; protocol
                   protocol + protocol | protocol * | protocol ? | ( protocol )
variable\_decl ::= \mathbf{variable} \left( var\_name \left( , var\_name \right)^* \left( : type \right)^? ; \right)^+
          type ::= prop \mid nat ( nat_num )
property\_decl ::= \mathbf{property} (ldl\_formula ;)^+
    rule\ decl ::= \mathbf{rule}\ rule^+
          rule ::= \mathbf{except}^? on event\_name (, event\_name)* ({ code })
                    (when condition (\{ code \})^?)
                    action^+
    condition ::= proposition \mid < ldl_path > condition
       action ::= ensure proposition (\{ code \})^?
                   raise event_name (+ event_name)* ({ code })?
                    do { code }
                    preserve proposition
```