tsPEG self-description grammar

This is the self-describing meta-grammar for *tsPEG* that is used for the bootstrapping process. This grammar is defined in terms of itself, *tsPEG* uses it to generate its input parser.

```
GRAM
              := header=HDR? rules=RULEDEF+
              := '---' content='((?!---)(.|\n))*' '---'
   HDR
          3
   RULEDEF
   RULE
5
             := matches=MATCHSPEC+ attrs=ATTR*
6
   ALT
   MATCHSPEC := _ named={name=NAME _ '=' _}? rule=POSTOP _
POSTOP := pre=PREOP op = '\+\\*\\?'?
7
            . \ optional = boolean \ \{ \ return \ this.op \ !== \ null \ \&\& \ this.op \ === \ '?' \}
10
   PREOP
             := op = '\\&|!'? at = ATOM
   ATOM
             := name=NAME ! '\ s *:= '
11
12
           | match=STRLIT
13
           '{ ' _ sub=RULE _
             := _ '.' name=NAME _ '=' _ type = '[^\s\{]+' _ '\{'
14
   action = '([^\{\}\\]|(\\.))*'
15
   '\}'
16
   NAME
              := '[a-zA-Z_]+'
:= '\'' val='([^\'\]|(\\.))*' '\''
17
   STRLIT
18
              := '\s*'
19
```

Figure A.1: tsPEG meta-grammar definition