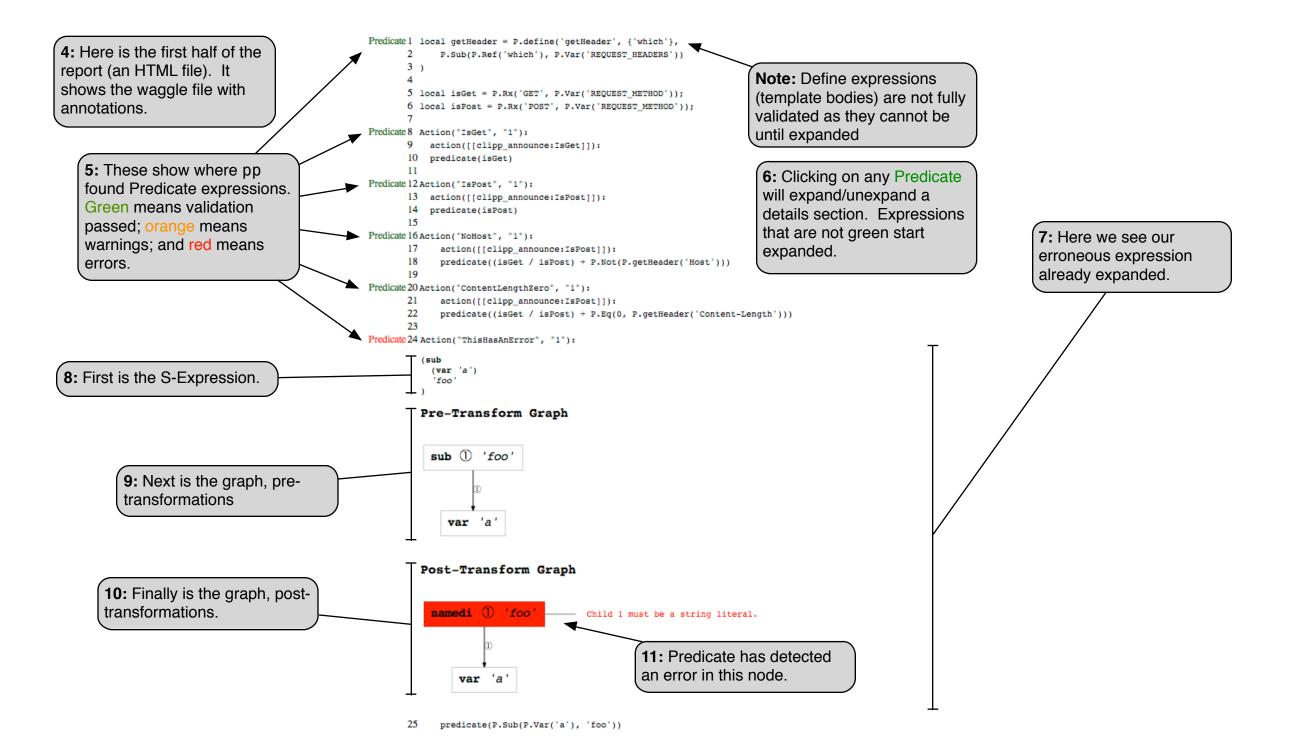
```
local getHeader = P.define('getHeader', {'which'},
         P.Sub(P.Ref('which'), P.Var('REQUEST_HEADERS'))
    local isGet = P.Rx('GET', P.Var('REQUEST_METHOD'));
    local isPost = P.Rx('POST', P.Var('REQUEST_METHOD'));
    Action("IsGet", "1"):
9
      action([[clipp_announce:IsGet]]):
      predicate(isGet)
10
11
    Action("IsPost", "1"):
12
      action([[clipp_announce:IsPost]]):
13
      predicate(isPost)
14
15
    Action("NoHost", "1"):
16
         action([[clipp_announce:IsPost]]):
17
         predicate((isGet / isPost) + P.Not(P.getHeader('Host')))
18
19
    Action("ContentLengthZero", "1"):
20
         action([[clipp_announce:IsPost]]):
21
22
         predicate((isGet / isPost) + P.Eq(0, P.getHeader('Content-Length')))
23
24
    Action("ThisHasAnError", "1"):
                                                  2: Note that this expression
                                                  has an error.
        predicate(P.Sub(P.Var('a'), 'foo')) ←
25
26
```

1: Here is an example of a few Waggle Predicate rules.

3: Saving this file as waggle. lua, we can then generate a report on it by running

pp.rb waggle.lua

pp.rb is located in the predicate subdirectory.



Pre-Transform Graph

NoHost ContentLengthZero ThisHasAnError 12: Here is the second half of the report. It shows the DAG for all the rules in the file. and (1) (2) and (1) (2) sub ① 'foo' or 1) 2 not ① **eq** 0 ① var 'a' IsPost IsGet operator 'rx' 'POST' ① 'GET' ① operator 'rx' getHeader 'Host' getHeader 'Content-Length' var 'REQUEST_METHOD'

13: First is the pre-transform graph. Note that root nodes are labelled with the corresponding rule.

Post-Transform Graph

