

# Example - SCN Workbench

Co...Oh...ind...PEGex3.htmlgui...Ohmex...rW...

ex3.html

Racket PEG Transpiler Workbench

grok:

ex3 {

emit:

Specification [m o] = {{createEmptyTables()}}[!lang pegInS(constructpeg())]

source:

# grok  
number <- [0-9]+  
sum <- prod ('+' sum)?  
prod <- number ('\*' prod)?  
  
## emit  
number -> (string->number v0)  
sum -> (if v2 (+ v0 v2) v0)  
prod -> (if v2 (\* v0 v2) v0)

transpiled:

!lang peg  
number <- v0:[0-9]+ -> (string->number v0)  
;  
sum <- v0:prod v3:(v1:'+' v2:sum)? -> (if v2 (+ v0 v2) v0)  
;  
prod <- v0:number v3:(v1:'\*' v2:prod)? -> (if v2 (\* v0 v2) v0)  
;

OK

Generate

# Formatting

- Human readable or machine readable?
- Emphasize machine readability
  - easier to transpile
  - don't worry about formatting (if machine can read it)