

```

;; concrete syntax used for
;; writing arithmetical expressions
#|
<s-expr> ::= <num>
           | (list '+ <s-expr> <s-expr>)
           | (list '- <s-expr> <s-expr>)
|#

;; parse :: s-expr -> Expr
;; converts s-expressions into Exprs
(define (parse s-expr)
  (match s-expr
    [ n #:when (number? n) (num n)]
    [(list '+ l r) (add (parse l) (parse r))]
    [(list '- l r) (sub (parse l) (parse r))]))

```