

```
;; calc :: Expr -> number
;; evaluates arithmetical expressions
;; with conditionals
(define (calc expr)
  (match expr
    [(num n) n]
    [(add l r) (+ (calc l) (calc r))]
    [(sub l r) (- (calc l) (calc r))]
    [(if0 c t f) (if (zero? (calc c)) (calc t) (calc f))]))
```