

```

parse_additive: f(tokens) {
left = parse_multiplicative(tokens)
(len(tokens) > 0) {
  if((((tokens[0]) == ')')) { ( tokens. dequeue())
break }
  token = (tokens.dequeue())
  right = parse_multiplicative(tokens)
  if((token == '+')) {      left = (left + right) } else {      left = (left - right) }
}
return left
}
parse_multiplicative: f(tokens) {
left = parse_atomic(tokens)
(len(tokens) > 0) {
  if((((((tokens[0]) == '+') or ((tokens[0]) == '-') or ((tokens[0]) == ')))) { break }
  token = (tokens.dequeue())
  right = parse_atomic(tokens)
  if((token == '*')) {      left = (left * right) } else {      left = (left / right) }
}
return left
}
parse_atomic: f(tokens) {
num = "
if((((tokens[0]) == '(')) { ( tokens. dequeue())
  return parse_additive( tokens) }
(len(tokens) > 0) {
  if(!(((tokens[0]).is_numeric())) { break }
  num = (num + (tokens.dequeue()))
}
return (num.try_parse())
}
eval: f( expr) => parse_additive(((expr.strip()).split(")))

```

