Project02 published
Lab03 - due now Tue Sep 8th 11:59pm
Lab03 - maketest

Parsing

expression ::= operand operator operand EOT
operand ::= integer

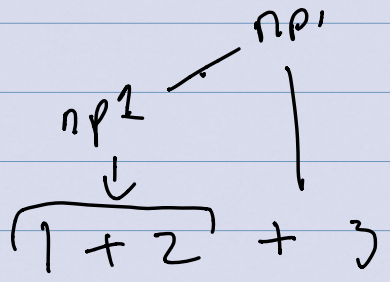
1+2
1-2

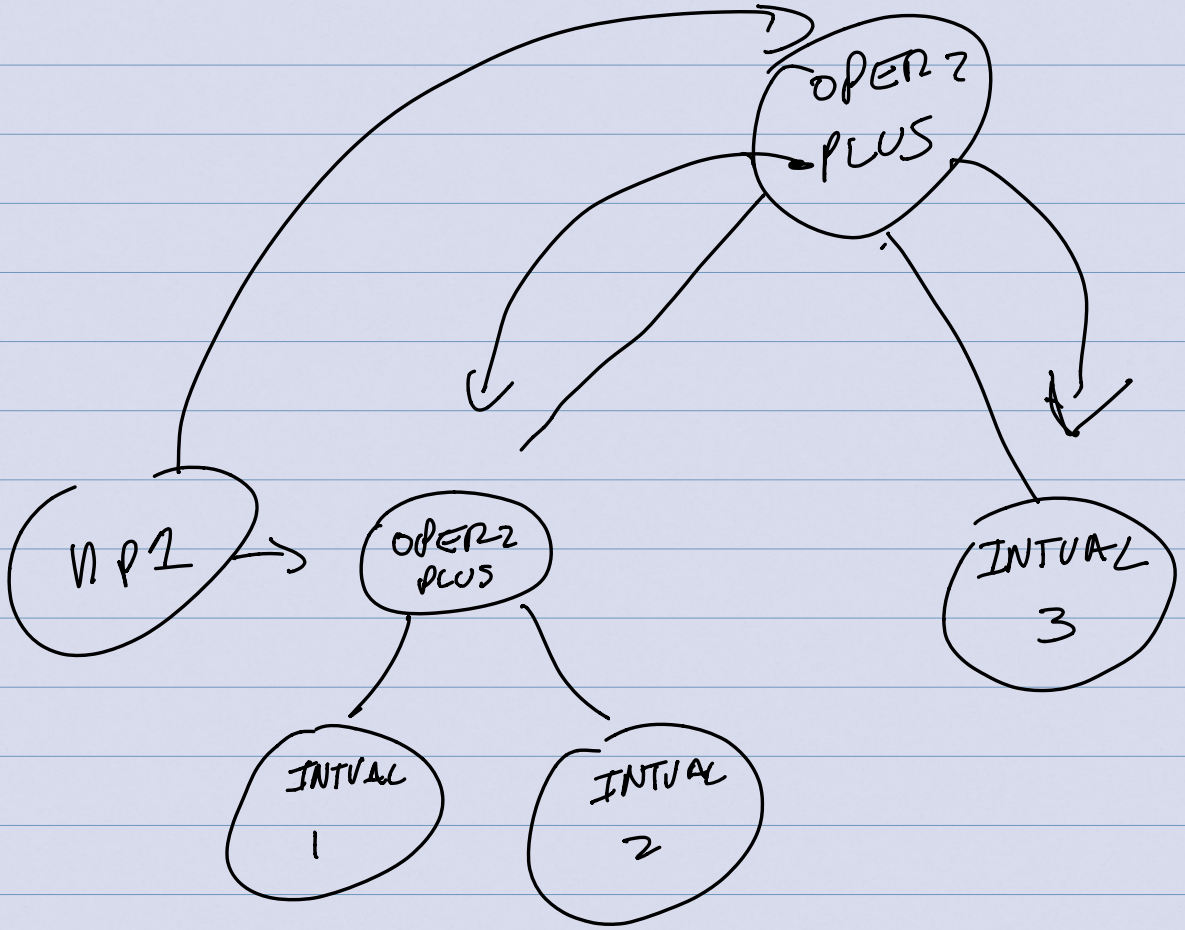
expression ::= operand (operator operand)* EOT
operand ::= integer

1+2+3*4

argc == 3

./lab03 -e "1+2"
argv[0] argv[1] argv[2]





TK_INTLIT TK_PLUS TK_INTLIT TK_EOT

1 + 2 9

all ops

expression ::= operand (operator operand)* EOT

operand ::= integer ←

* [| '-' operand
  | '(' expression ')']

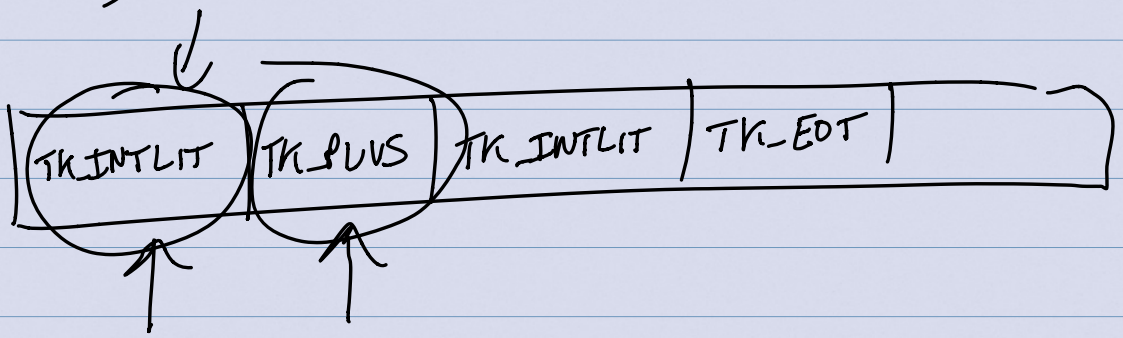
} else if (scan_table_accept(st, TK_MINUS)) {

    OPER 1

} else if (scan_table_accept(st, TK_LPAREN)) {

    rp 1 → parse_expression( )

}

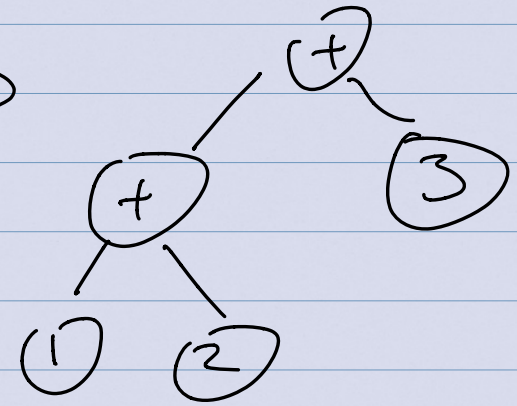


next = 0 == 1

accept

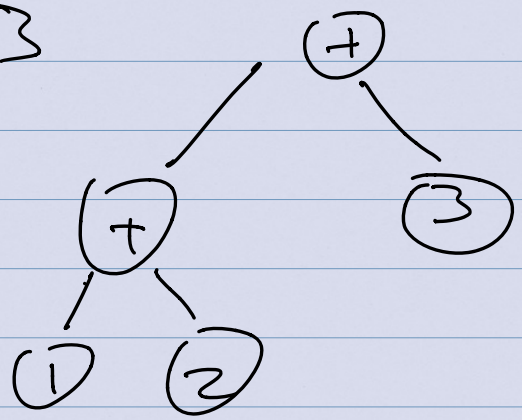
tp scan_table_get(st, 0, 1)

1 + 2 + 3

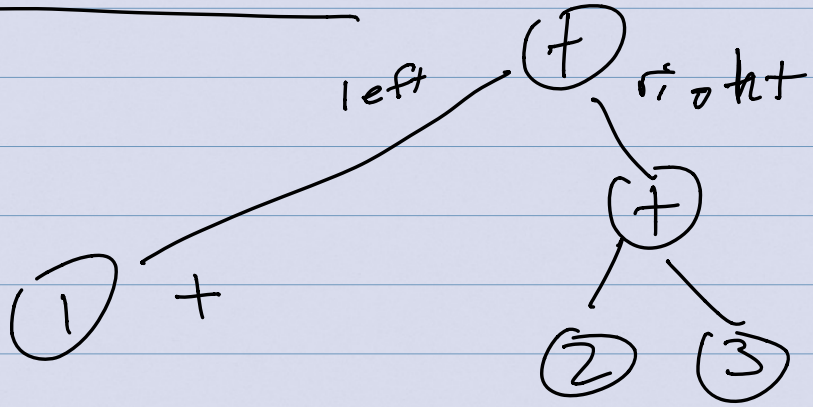


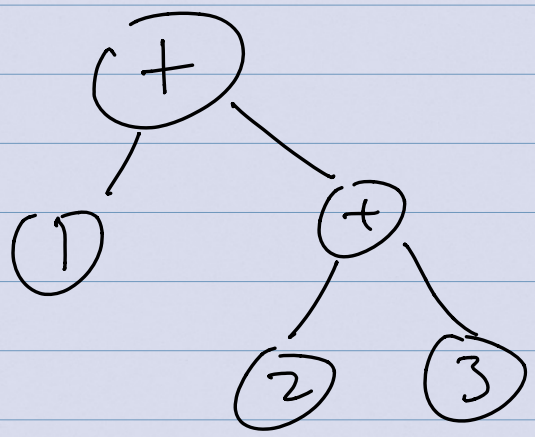
rpl

→ (1 + 2) + 3



1 + ((2 + 3))





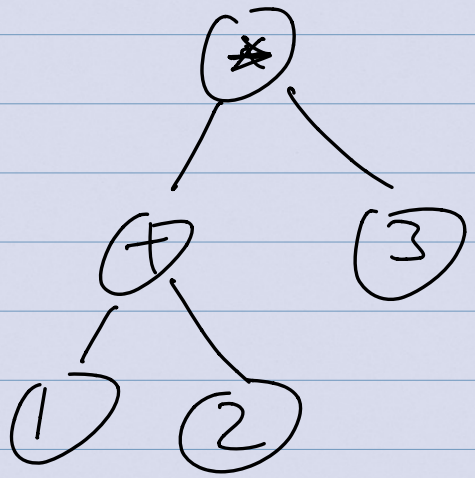
$(1+2)*3 = 9$

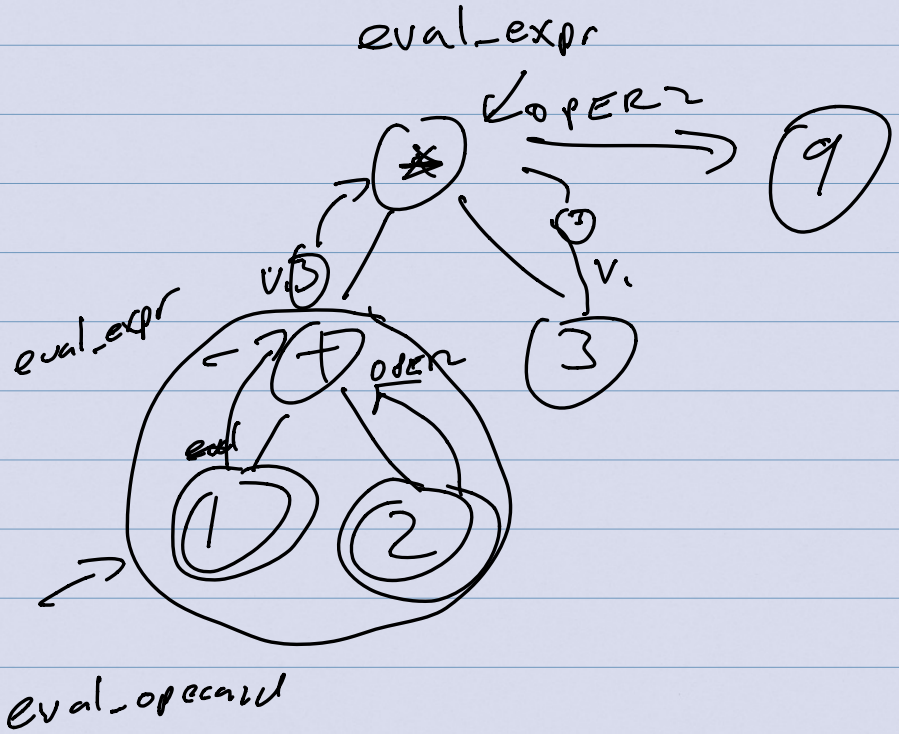
$1+(2*3) = 7$

↓

$1+(2*3)$

$1+(2*3)$




eval_expr
OPER
9
*
V.5
V.
3
eval_expr
+
OPER
eval
1
2
eval_operand