

es. albero della calcolatrice postfixa

ho in input : 4 4 + \n, il lexer invia al parser NUMBER NUMBER + \n
↓
vado a capo

PILA	INPUT	AZIONE	OUTPUT
\$	NUMBER NUMBER + \n	shift	/
\$ NUMBER	NUMBER + \n	reduce	exp → NUMBER
\$ NUMBER	NUMBER + \n	shift	/
\$ exp NUMBER	+ \n	reduce	exp → NUMBER
\$ exp exp	+ \n	shift	/
\$ exp exp +	\n	reduce	exp → exp exp +
\$ exp	\n	shift	/
\$ exp \n	/	reduce	line → exp \n
\$ line	/	reduce	input → E
\$ input line	/	reduce	input → input line

regole:

```
input:
    | input line
;
line : '\n'
    | exp '\n'
;

exp : NUMBER { printf(" \n %d \n", $1); }
    | exp exp '+' { printf(" \n + \n"); }
    | exp exp '-' { printf(" \n - \n"); }
    | exp exp '*' { printf(" \n * \n"); }
    | exp exp '/' { printf(" \n / \n"); }
    | '(' { printf(" \n ( \n"); }
    | ')' { printf(" \n ) \n"); }
;
```