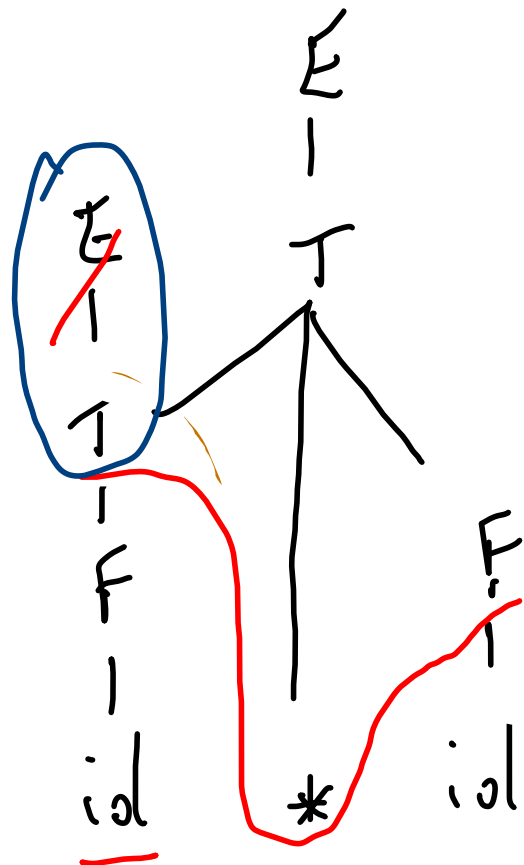


PARSING BOTTOM-UP

(id
0
6)

$E \Rightarrow T \Rightarrow \underline{T} * F \Rightarrow \underline{T} * \underline{id} \Rightarrow \underline{F} * \underline{id} \Rightarrow \underline{id} * \underline{id}$



HANDLE

- 1 $E \rightarrow E + T$
- 2 $E \rightarrow \underline{T}$
- 3 $T \rightarrow \underline{T} * F$
- 4 $T \rightarrow \underline{F}$
- 5 $F \rightarrow (E)$
- 6 $F \rightarrow \underline{id}$

ACTION

1. REDUCE
2. SHIFT
3. ACCEPT
4. ERROR

$$E \rightarrow E + E$$

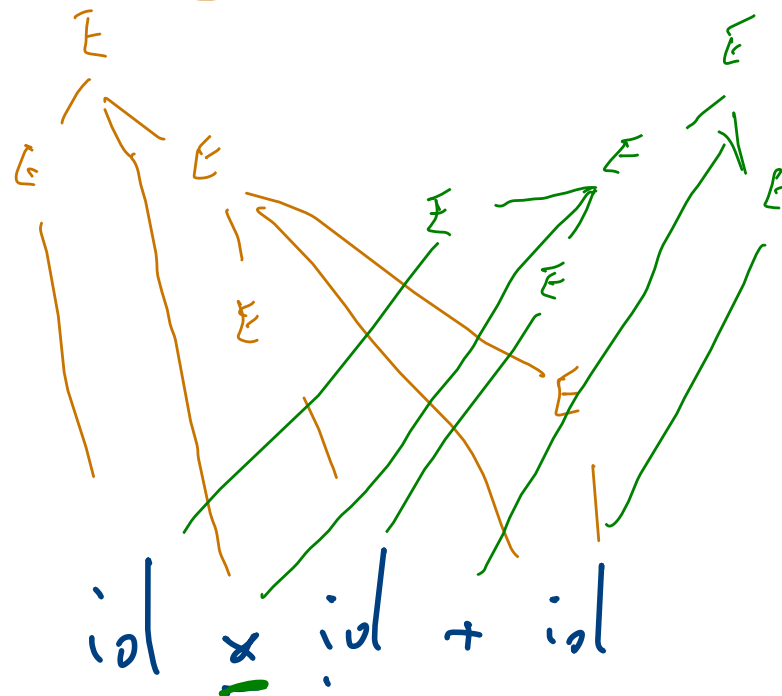
$$E \rightarrow E * E$$

$$\mathbb{E} \rightarrow id$$

$$E \Rightarrow E + E \Rightarrow E + id \Rightarrow E * E + id \Rightarrow E * id + id \Rightarrow id * id + id$$

$$E \Rightarrow E * E \Rightarrow E * E + E \Rightarrow$$

$$E \Rightarrow \overline{E \wedge E} \Rightarrow E \wedge E + E \Rightarrow$$



$$^{(a)} S \rightarrow 0 S 1 \quad \begin{matrix} (1) \\ | \\ 01 \end{matrix}$$

ESERCIZIO
4.5.1 libro
P. 240

$$a) \quad 000111 \quad \leftarrow$$

$$b) \quad 00S11 \quad \leftarrow$$

$$a) \quad S \Rightarrow 0 S 1 \Rightarrow 00S11 \Rightarrow \overset{\cdot}{0}\overset{\cdot}{0}\overset{2}{\underline{0}}111$$

$$b) \quad S \Rightarrow 0 S 1 \Rightarrow 00\underline{S}11$$

$$\begin{pmatrix} 01 \\ 2 \\ 1 \end{pmatrix}$$

$$\begin{pmatrix} 0S1 \\ 1 \\ 0 \end{pmatrix}$$

ITEM

$A \rightarrow \cdot X Y Z$

$A \rightarrow X \cdot Y Z$

$A \rightarrow X Y \cdot Z$

$A \rightarrow X Y Z \cdot$

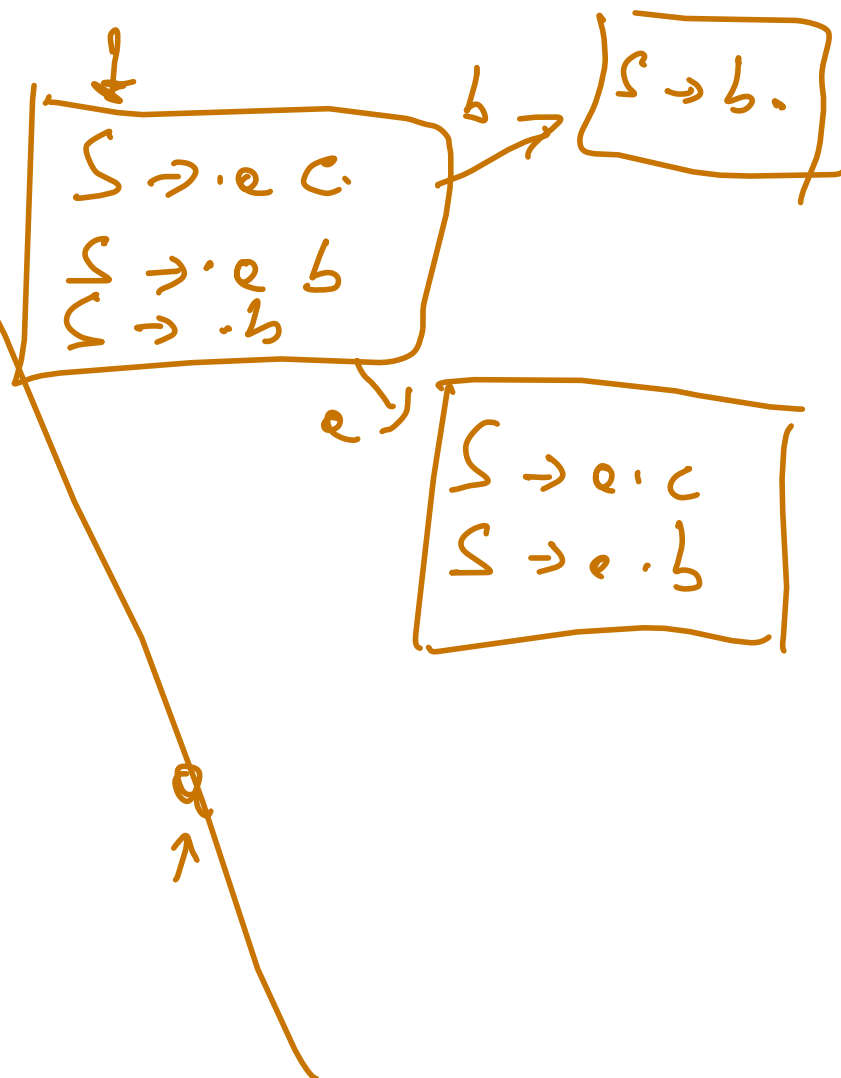
$S \rightarrow \cdot a b c$

$S \rightarrow a \cdot b c$

$S \rightarrow a b \cdot c$

$S \rightarrow a b c \cdot$

a b c
↑ ↑ ↑



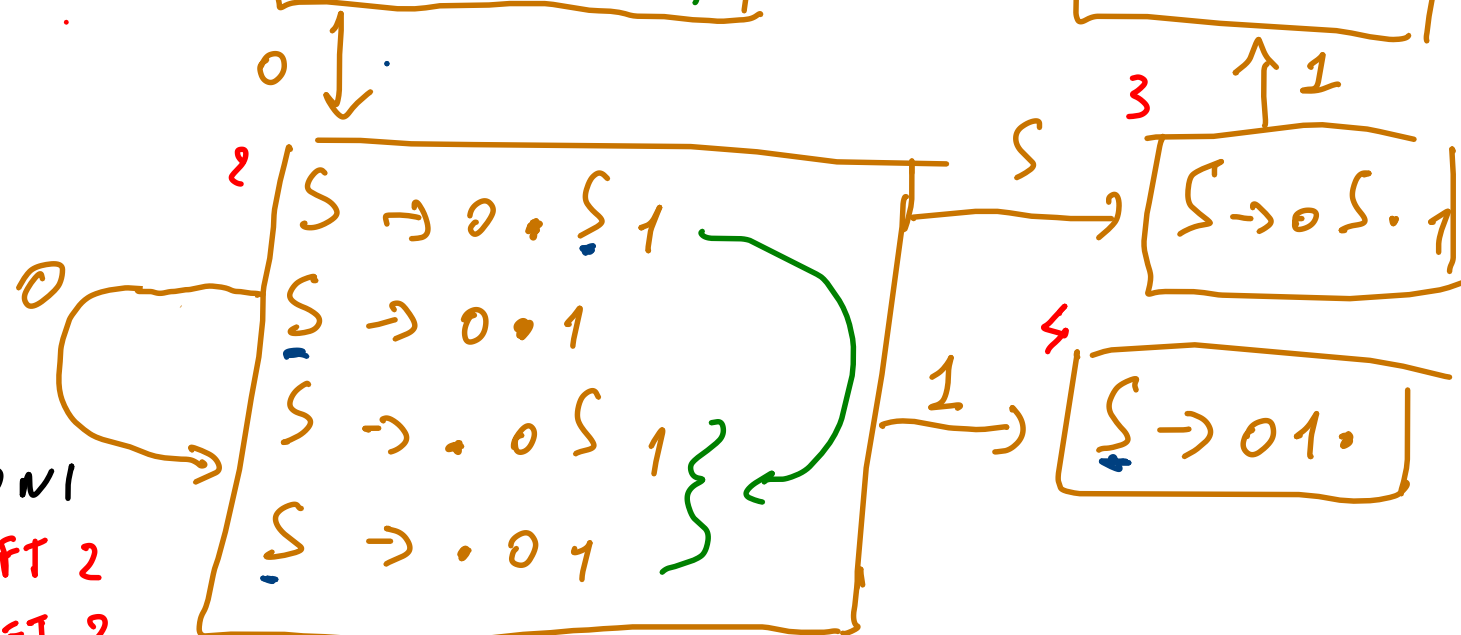
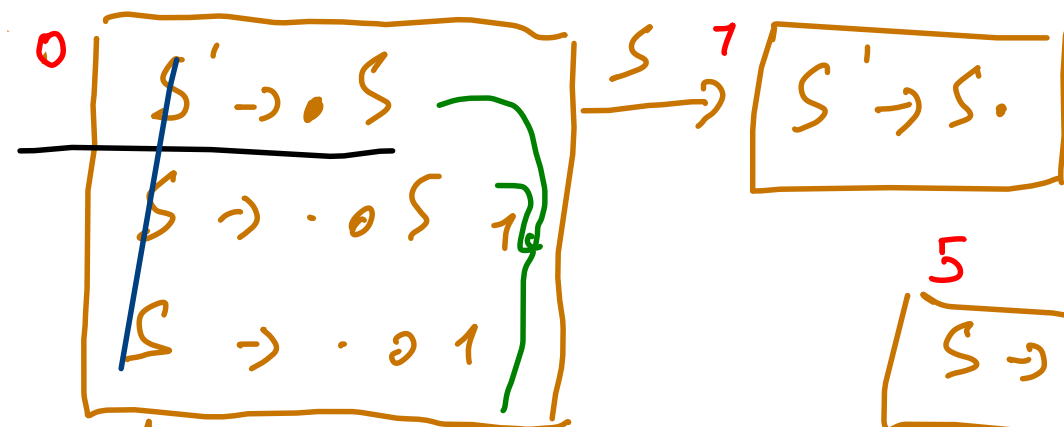
(0) $S' \rightarrow S \leftarrow$

(1) $S \rightarrow 0 S_1$

(2) $S \rightarrow 0 1$

ITEMS $L(R(0))$
PER VIA DOUBLE REDUCE

STACK	INPUT	AZIONI
002	0 11\$	SHIFT 2
00202	1 1\$	SHIFT 2
0020214	11\$	SHIFT 4
00215	1 \$	REDUCE 2
00215	\$	SHIFT 5
0015	\$	REDUCE 1
0	\$	ACCEPT



1. CHIUSURA ↗
2. GOTO ↘