

TP2 Analyse syntaxique : BNF LL(1)

	$\text{input} \uparrow \ell$	$::=$	$\text{inputX} \downarrow [] \uparrow \ell$	
$\{ \text{END} \}$	$\text{inputX} \downarrow \ell_0 \uparrow \ell$	$::=$	ϵ	$\ell := \ell_0$
$\{ \text{INT}, \text{VAR}, \text{MINUS}, \text{OPAR} \}$		$ $	$\text{exp}_2 \downarrow \ell_0 \uparrow n \text{ QUEST } \text{inputX} \downarrow \ell_0 \oplus n \uparrow \ell$	
	$\text{exp}_2 \downarrow \ell \uparrow n$	$::=$	$\text{exp}_1 \downarrow \ell \uparrow n_1 \text{ exp}_2 \text{X} \downarrow \ell \downarrow n_1 \uparrow n$	
$\{ \text{QUEST}, \text{CPAR} \}$	$\text{exp}_2 \text{X} \downarrow \ell \downarrow n_1 \uparrow n$	$::=$	ϵ	$n := n_1$
$\{ \text{PLUS} \}$		$ $	$\text{PLUS } \text{exp}_1 \downarrow \ell \uparrow n_2 \text{ exp}_2 \text{X} \downarrow \ell \downarrow n_1 + n_2 \uparrow n$	
$\{ \text{MINUS} \}$		$ $	$\text{MINUS } \text{exp}_1 \downarrow \ell \uparrow n_2 \text{ exp}_2 \text{X} \downarrow \ell \downarrow n_1 - n_2 \uparrow n$	
	$\text{exp}_1 \downarrow \ell \uparrow n$	$::=$	$\text{exp}_0 \downarrow \ell \uparrow n_1 \text{ exp}_1 \text{X} \downarrow \ell \downarrow n_1 \uparrow n$	
$\{ \text{PLUS}, \text{MINUS}, \text{QUEST}, \text{CPAR} \}$	$\text{exp}_1 \text{X} \downarrow \ell \downarrow n_1 \uparrow n$	$::=$	ϵ	$n := n_1$
$\{ \text{MULT} \}$		$ $	$\text{MULT } \text{exp}_0 \downarrow \ell \uparrow n_2 \text{ exp}_1 \text{X} \downarrow \ell \downarrow n_1 * n_2 \uparrow n$	
$\{ \text{DIV} \}$		$ $	$\text{DIV } \text{exp}_0 \downarrow \ell \uparrow n_2 \text{ exp}_1 \text{X} \downarrow \ell \downarrow n_1 / n_2 \uparrow n$	
$\{ \text{INT} \}$	$\text{exp}_0 \downarrow \ell \uparrow n$	$::=$	$\text{INT} \uparrow n$	
$\{ \text{VAR} \}$		$ $	$\text{VAR} \uparrow i$	$n := \ell[i]$
$\{ \text{MINUS} \}$		$ $	$\text{MINUS } \text{exp}_0 \downarrow \ell \uparrow n_0$	$n := -n_0$
$\{ \text{OPAR} \}$		$ $	$\text{OPAR } \text{exp}_2 \downarrow \ell \uparrow n \text{ CPAR}$	