```
S \rightarrow D E eof
                                                       FIRST(S) = {'bin', 'oct', 'hex', id, num, '(', eof}
                                                       FIRST(D) = \{ bin', bct', bex', \epsilon \}
D \rightarrow B id '=' num ';' D | \epsilon
                                                       FIRST(B) = {'bin', 'oct', 'hex'}
B → 'bin' | 'oct' | 'hex'
                                                       FIRST(E) = {id, num, '('}
                                                       FIRST(T) = {id, num, '(')
                                                       FIRST(F) = {id, num, '('}
E \rightarrow TE'
E' \rightarrow '+' \top E' \mid '-' \top E' \mid \epsilon
                                                       FIRST(E') = {'+', '-', \varepsilon}
FIRST(T') = {'*', '/', \varepsilon}
T \rightarrow F T'
T' \rightarrow '*' F T' | '/' F T' | \epsilon
                                                       FOLLOW(S) = \{eof\}
                                                       FOLLOW(D) = {id, num, '(', eof}
F \rightarrow id \mid num \mid '(' E ')'
                                                       FOLLOW(B) = {id}
                                                       FOLLOW(E) = {eof, ')'}
                                                       FOLLOW(E') = {eof, ')'}
FOLLOW(T) = {'+', '-', ')', eof}
FOLLOW(T') = {'+', '-', ')', eof}
                                                       FOLLOW(F) = {'*', '/', '+', '-', ')', eof}
            eof S \rightarrow D E eof
                                                                                D→ε
                                                                                                                                                              D→ε
                                                                      E → T E'
                                                                                E → T E'
                                                                                           E → T E'
                                                                                                       E' → ε
                                                                                                                  E' → '+' T E' E' → '-' T E'
                                                                                                                                                               E' → ε
                                                                                T → F T'
                                                                                           T \rightarrow FT'
                                                                     T → F T'
                                                                                                                                        T' \rightarrow '*' \vdash T' \quad T' \rightarrow ' /' \vdash T' \quad T' \rightarrow \epsilon
                                                                                                                  T' → ε
                                                                                                                             T' → ε
                                                                                                        T' → ε
                                                                     F → id
                                                                                F → num F → '(' E ')'
```

EJEMPLOS:

STACK	INPUT	ACTIONS
S	bin id = 01011;	Reduce S → D E eof
D E eof	bin id = 01011;	Reduce D \rightarrow B id '=' num ';' D
B id '=' num ';' D E eof	bin id = 01011;	Reduce B → 'bin'
'bin' id '=' num ';' D E eof	bin id = 01011;	Accept 'bin' id '=' num ';'
D E eof	eof	Reduce D \rightarrow ϵ
E eof		

STACK	INPUT	ACTIONS
S	(1010 + 111) – 11	Reduce S → D E eof
D E eof	(1010 + 111) – 11	Reduce D → ε
E eof	(1010 + 111) – 11	Reduce E → T E'
T E' eof	(1010 + 111) – 11	Reduce T → F T'
F T' E' eof	(1010 + 111) – 11	Reduce F → '(' E ')'
'(' E ')' T' E' eof	(1010 + 111) – 11	Accept (and (
E ')' T' E' eof	1010 + 111) – 11	Reduce E → T E'
T E' ')' T' E' eof	1010 + 111) – 11	Reduce T → F T'
F T' E' ')' T' E' eof	1010 + 111) – 11	Reduce F → num
num T' E' ')' T' E' eof	1010 + 111) – 11	Accept num and 1010
T' E' ')' T' E' eof	+ 111) – 11	T' → ε
E' ')' T' E' eof	+ 111) – 11	Reduce E' → '+' T E'
'+' T E' ')' T' E' eof	+ 111) – 11	Accept + and +
T E' ')' T' E' eof	111) – 11	Reduce T → F T'
F T' E' ')' T' E' eof	111) – 11	Reduce F → num
num T' E' ')' T' E' eof	111) – 11	Accept num and 111
T' E' ')' T' E' eof) – 11	Reduce T' $\rightarrow \epsilon$
E' ')' T' E' eof) – 11	Reduce E' $\rightarrow \epsilon$
')' T' E' eof) – 11	Accept) and)
T' E' eof	-11	Reduce T' → ε
E' eof	-11	Reduce E' → '-' T E'
'-' T E' eof	-11	Accept - and -
T E' eof	11	Reduce T \rightarrow F T'
F T' E' eof	11	Reduce F → num
num T' E' eof	11	Accept num and 11
T' E' eof	eof	Reduce T' $\rightarrow \epsilon$
E' eof	eof	Reduce E' $\rightarrow \epsilon$
eof	eof	Accept eof and eof