

THEORIE DES LANGAGES

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1 Q..1

$G = (\Sigma, V, S, P)$
 $\Sigma = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, (,), +, -, \times, /\}$
 $V = \{S, N, O, nb, opr\}$
 $P = \{$
 $S \rightarrow (N)$
 $S \rightarrow N$
 $N \rightarrow nbN$
 $N \rightarrow nbO$
 $N \rightarrow nb$
 $O \rightarrow oprS$
 $O \rightarrow)O$
 $\}$
 $nb \rightarrow [0 - 9]$
 $opr \rightarrow [+ , - , \times , /]$

2 Q..3

2.1 DEFINIR LE LANGAGE

$L = \{[0-9]^+ ((+, -, \times, /)[0-9]^+)^*\}$

2.2 ALPHABET

$\Sigma = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, (,), +, -, \times, /\}$

2.3 AUTOMATE

