1 Grammar

$\langle program \rangle$ ::= {*let* $\langle variable \rangle$ = $\langle term \rangle$ \n}| $\langle term \rangle$\n
$\langle term \rangle$ ::= $\langle term' \rangle$ | $\langle abstraction \rangle$ | $\langle application \rangle$
$\langle term' \rangle$ ::= $\langle variable \rangle$ | ($\langle term \rangle$)
$\langle abstraction \rangle$ ::= $\lambda\langle variable \rangle$ {$\langle variable \rangle$} .$\langle term \rangle$
$\langle application \rangle$ ::= $\langle term' \rangle$ $\langle term' \rangle$ |$\langle term' \rangle\langle application \rangle$
$\langle variable \rangle$ ::= $\langle letter \rangle$ {$\langle letter \rangle$ |$\langle digit \rangle$}
$\langle digit \rangle$ ::= 0 | ... | 9
$\langle letter \rangle$ ::= a | b | ... | z | A | B | ... | Z

2 Example