

## Grammar

(letters) ::= 0 | ... | 9  
(numbers) ::= A | ... | Z | a | ... z  
(var) ::= (letters) (letters | var)  
(term') ::= (var) | (term)  
(term) ::= (application) | (term')  
(application) ::= (term') (term') | (term') (application)  
(vars) ::= (var) | (var) (vars)  
(abstraction) ::= \ (vars) . (term)

## Example

let F = \x y.x  
let (var) = (term)  
let (letter) = (term)  
let F = (term)  
let F = (abstraction)  
let F = \ (vars) . (term)  
let F = \ (var) (vars) . (term)  
let F = \ (letters) (vars) . (term)  
let F = \x (vars) . (term)  
let F = \x (var) . (term)  
let F = \x (letters) . (term)  
let F = \x y . (term)  
let F = \x y . (var)  
let F = \x y . (letters)  
let F = \x y . x