

$program ::= (mod \dots)$   
 $mod ::= (module\ id\ (req\ \dots)\ (def\ \dots)\ expr)$   
 $req ::= (require\ id\ @\ phase)$   
 $expr ::= var$   
 $\quad | val$   
 $\quad | (+\ expr\ expr)$   
 $\quad | (set!\ var\ expr)$   
 $\quad | (begin\ expr\ expr)$   
 $val ::= number$   
 $\quad | (quote\ id\ @\ phase)$   
 $var ::= id$   
 $\quad | (ref\ id\ @\ phase)$   
 $id ::= variable-not-otherwise-mentioned$   
 $phase ::= number$   
 $def ::= (define\ id\ @\ phase\ as\ expr)$