

$identifier ::= s \mid x \mid m \mid u \mid z$

$a ::= x \mid \text{fun } (x) \ a \mid a \ a \mid \text{let } x = a \text{ in } a$   
 $\mid \text{self} \mid u \{ \langle u = a ; \dots u = a \rangle \} \mid a \# m \mid s \# m$   
 $\mid \langle b \rangle \mid \text{new } c \mid \text{class } z = c \text{ in } a$

$c ::= z \mid \text{fun } (x) \ c \mid c \ a \mid \text{struct } b \text{ end}$

$b ::= \emptyset \mid d ; b$

$d ::= \text{method } m = a \mid \text{field } u = a \mid \text{inherit } c \text{ as } s$