LAMBDA

```
MODULE LAMBDA
 SYNTAX Val ::= Id
               \lambda Id.Exp [binder]
 SYNTAX Exp ::= Val
                Exp Exp [strict]
                (Exp) [bracket]
 SYNTAX Variable ::= Id
 SYNTAX KResult ::= Val
 RULE (\lambda X:Id.E:Exp) V:Val
            E[V / X]
 SYNTAX Val ::= Int
               Bool
 SYNTAX Exp ::= Exp * Exp [strict]
                Exp / Exp [strict]
                Exp + Exp [strict]
                Exp \le Exp [strict]
 I1 *_{Int} I2
 RULE I1:Int / I2:Int
         I1 \div_{Int} I2
I1 +_{Int} I2
I1 \leq_{Int} I2
 SYNTAX Exp ::= if Exp then Exp else Exp [strict(1)]
 RULE \, if true then E else -
                 \dot{E}
 RULE if false then — else {\cal E}
                  \dot{E}
```