## 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 \mid X]
 SYNTAX Val ::= Int
                Bool
SYNTAX Exp ::= Exp * Exp [strict]
                Exp / Exp [strict]
                Exp + Exp [strict]
                Exp \le Exp [strict]
RULE I1:Int * I2:Int
         I1 *_{Int} I2
RULE I1:Int / I2:Int
        I1 \div_{Int} I2
I1 +_{Int} I2
RULE I1:Int \leftarrow I2:Int
         I1 \leq_{Int} I2
```