LAMBDA

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MODULE LAMBDA
SYNTAX Val ::= Id
              \lambda Id.Exp [binder( binder())]
 SYNTAX Exp ::= Val
                Exp Exp [strict( strict())]
                (Exp) [bracket( 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(strict())]
               Exp / Exp [strict( strict())]
                Exp + Exp [strict( strict())]
               Exp <= Exp [strict( strict())]</pre>
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(strict(1))]
RULE \, if true then E else -
                 \dot{E}
RULE if false then — else {\it E}
```