LAMBDA

MODULE LAMBDA

SYNTAX   *Exp* ::= *Int*
    | *Bool*
    | *Id*
    | (*Exp*) [bracket]
    | *Exp* *Exp*
    | *Exp* * *Exp*
    | *Exp* / *Exp*
    | *Exp* + *Exp*
    | *Exp* <= *Exp*
    | lambda *Id* . *Exp*
    | if *Exp* then *Exp* else *Exp*
    | let *Id* = *Exp* in *Exp*
    | letrec *Id* *Id* = *Exp* in *Exp*
    | mu *Id* . *Exp*

SYNTAX   *Type* ::= int
    | bool
    | *Type* -> *Type*
    | (*Type*) [bracket]

SYNTAX   *Exp* ::= *Type*

SYNTAX   *Variable* ::= *Id*

SYNTAX   *KResult* ::= *Type*

CONFIGURATION:
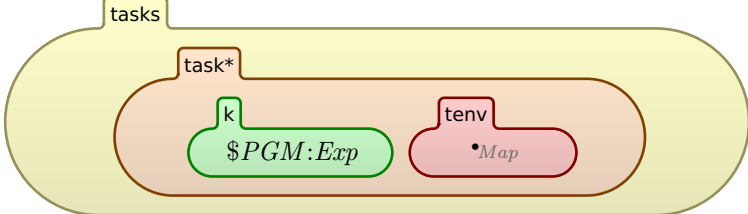
RULE $\dfrac{I{:}Int}{\texttt{int}}$

RULE $\dfrac{B{:}Bool}{\texttt{bool}}$

RULE

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RULE $\dfrac{\texttt{let } X = E \texttt{ in } E'}{(\texttt{ lambda } X . E') \; E}$ [macro]

RULE $\dfrac{\texttt{letrec } F \; X = E \texttt{ in } E'}{\texttt{let } F = \texttt{mu } F . \texttt{ lambda } X . E \texttt{ in } E'}$ [macro]

RULE

SYNTAX   *KItem* ::= *Exp* = *Exp* [strict]

RULE

RULE

END MODULE