

CallExpr E

$T = \alpha$

Function: append

$T = ([\gamma], \gamma) \rightarrow [\gamma]$

Var: p2

$T = \text{int}$

Var: p1

$T = \beta$

Typregel
für
CallExpr

CallExpr E

$T = \alpha$

append.T

=

$(p1.T, p2.T) \rightarrow E.T$

Function: append

$T = ([\gamma], \gamma) \rightarrow [\gamma]$

Var: p2

$T = \text{int}$

Var: p1

$T = \beta$

CallExpr E

$T = \alpha$

$$\begin{aligned} & ([\gamma], \gamma) \rightarrow [\gamma] \\ & = \\ & (\beta, \text{int}) \rightarrow \alpha \end{aligned}$$

Function: append

$T = ([\gamma], \gamma) \rightarrow [\gamma]$

Var: p2

$T = \text{int}$

Var: p1

$T = \beta$

Ersetzung der Typvariablen

CallExpr E

$T = [\gamma]$

$$([\gamma], \gamma) \rightarrow [\gamma]$$
$$=$$
$$(\beta, \text{int}) \rightarrow [\gamma]$$

Function: append

$T = ([\gamma], \gamma) \rightarrow [\gamma]$

Var: p2

$T = \text{int}$

Var: p1

$T = \beta$

Ersetzung der Typvariablen

$\alpha \rightarrow [\gamma]$

CallExpr E

$T=[\gamma]$

$$\begin{aligned} &([\gamma], \gamma) \rightarrow [\gamma] \\ &= \\ &([\gamma], \text{int}) \rightarrow [\gamma] \end{aligned}$$

Function: append

$T=([\gamma], \gamma) \rightarrow [\gamma]$

Var: p2

$T = \text{int}$

Var: p1

$T = [\gamma]$

Ersetzung der Typvariablen

$\alpha \rightarrow [\gamma]$

$\beta \rightarrow [\gamma]$

CallExpr E

$T=[\text{int}]$

$$\begin{aligned} &([\text{int}], \text{int}) \rightarrow [\text{int}] \\ &= \\ &([\text{int}], \text{int}) \rightarrow [\text{int}] \end{aligned}$$

Function: append

$T=([\text{int}], \text{int}) \rightarrow [\text{int}]$

Var: p2

$T = \text{int}$

Var: p1

$T = [\text{int}]$

Ersetzung der Typvariablen

$\alpha \rightarrow [\gamma]$

$\beta \rightarrow [\gamma]$

$\gamma \rightarrow \text{int}$