Dostop

$$\text{S-N}\ \frac{}{\mathrm{L} \vdash \underline{n}} \qquad \text{S-B}\ \frac{b \in \{\mathbb{f}, \mathbb{t}\}}{\mathrm{L} \vdash b} \qquad \text{S-L}\ \frac{l \in \mathrm{L}}{\mathrm{L} \vdash\ !\, l} \qquad \text{S-Op}\ \frac{L \vdash e_1 \qquad L \vdash e_2 \qquad \oplus \in \{+, -, \times\}}{\mathrm{L} \vdash e_1 \oplus e_2}$$

$$\text{S-Skip}\ \frac{}{\mathrm{L} \vdash\ \textbf{SKIP}\ ,\ \mathrm{L}} \qquad \text{S-A}\ \frac{\mathrm{L} \vdash e}{\mathrm{L} \vdash l := e,\ \mathrm{L} \cup \{l\}} \qquad \text{S-Seq}\ \frac{\mathrm{L} \vdash c_1,\ \mathrm{L}' \qquad \mathrm{L}' \vdash c_2,\ \mathrm{L}''}{\mathrm{L} \vdash c1; c2,\ \mathrm{L}''}$$

$$\text{S-Cond}\ \frac{\mathrm{L} \vdash b \qquad \mathrm{L} \vdash c_1,\ \mathrm{L}' \qquad \mathrm{L} \vdash c_2,\ \mathrm{L}''}{\mathrm{L} \vdash \textbf{IF}\ b\ \textbf{THEN}\ c_1\ \textbf{ELSE}\ c_2\ \textbf{END},\ \mathrm{L}' \cap \mathrm{L}''}$$

$$\text{S-While}\ \frac{\mathrm{L} \vdash b \qquad \mathrm{L} \vdash c,\ \mathrm{L}'}{\mathrm{L} \vdash \textbf{WHILE}\ b\ \textbf{DO}\ c\ \textbf{DONE},\ \mathrm{L}}$$

Mali koraki

$$\text{E-A}\ \frac{s,\ e \Downarrow n}{s,\ l := e \rightsquigarrow s[l \mapsto n],\ \ \textbf{SKIP}} \qquad \text{E-SEQ1}\ \frac{s,\ c_1 \rightsquigarrow s',\ c_1'}{s,\ c_1; c_2 \rightsquigarrow s',\ c_1'; c_2}$$

$$\text{E-SEQ2}\ \frac{}{s,\ \ \textbf{SKIP}\ ; c_2 \rightsquigarrow s,\ c_2} \qquad \text{E-COND-T}\ \frac{s,\ b \Downarrow \mathbb{t}}{s,\ \textbf{IF}\ b\ \textbf{THEN}\ c_1\ \textbf{ELSE}\ c_2\ \textbf{END} \rightsquigarrow s,\ c_1}$$

$$\text{E-COND-F}\ \frac{s,\ b \Downarrow \mathbb{f}}{s,\ \textbf{IF}\ b\ \textbf{THEN}\ c_1\ \textbf{ELSE}\ c_2\ \textbf{END} \rightsquigarrow s,\ c_2}$$

$$\text{E-WHILE-T}\ \frac{s,\ b \Downarrow \mathbb{t}}{s,\ \textbf{WHILE}\ b\ \textbf{DO}\ c\ \textbf{DONE} \rightsquigarrow s,\ c; \textbf{WHILE}\ b\ \textbf{DO}\ c\ \textbf{DONE}}$$

$$\text{E-WHILE-F}\ \frac{s,\ b \Downarrow \mathbb{f}}{s,\ \textbf{WHILE}\ b\ \textbf{DO}\ c\ \textbf{DONE} \rightsquigarrow s,\ \ \textbf{SKIP}}$$