$$\langle s, \rho, cs \rangle \rightsquigarrow \langle \underset{\uparrow}{s}, \rho, cs, \underline{\underline{k}} \rangle$$

start
a execution
a sequi 2

$$\langle skip, \rho, cs, [\,] \rangle$$

- $\langle x := e, \rho, cs, k \rangle \longrightarrow \langle skip, \rho[x \mapsto [\![e]\!]_\rho], cs, k \rangle$

- $\langle skip, \rho, cs, s:k \rangle \longrightarrow \langle s, \rho, cs, k \rangle$

- $\langle s_1 ; s_2, \rho, cs, k \rangle \longrightarrow \langle s_1, \rho, cs, s_2:k \rangle$

- $$\frac{params(f) = [x_i]_{i=1}^n \quad [\![e_i]\!]_\rho = v_i \big|_{i=1}^n \quad s' = body(f)}{\rho' = [x_i \mapsto v_i]_{i=1}^n \quad cs' = (x, \rho, k):cs}$$
  $$\langle x := f(e_1, \ldots, e_n), \rho, cs, \underset{\uparrow}{k} \rangle \rightsquigarrow \langle s', \rho', cs', [\,] \rangle$$

- $$\frac{cs = (x, \rho', k'):cs'}{\langle \underline{return}\ e, \rho, cs, \underline{k} \rangle \longrightarrow \langle skip, \rho'[x \mapsto [\![e]\!]_\rho], cs', k' \rangle}$$

$$if\ (e)\ \{\qquad return\ e\ \};\ \boxed{s_2}$$