$$\frac{}{\langle \text{Iterator(s.roots)}, \varnothing, [] \rangle}$$

initialConf

$$\frac{\langle \text{it}, K, \text{c::F} \rangle \wedge \text{!it.hasNext}}{\langle \text{Iterator(s.neighbours(c))}, K, \text{F} \rangle}$$

discover(c)

$$\frac{\langle \text{it}, K, F \rangle \wedge \text{it.hasNext} \wedge (\text{n} = \text{it.peek}) \in K}{\langle \text{it.next}, K, F \rangle}$$

known(n)

$$\frac{\langle \text{it}, K, F \rangle \wedge \text{it.hasNext} \wedge (\text{n} = \text{it.peek}) \notin K}{\langle \text{it.next}, K \cup \{\text{n}\}, \text{F::n} \rangle}$$

unknown(n)

$$\frac{\langle \text{it}, K, [] \rangle \wedge \text{!it.hasNext}}{\langle \text{it}, K, [] \rangle}$$

end