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

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

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

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

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