

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

initialConf

$\langle \text{it}, K, \text{c}::F \rangle \wedge \text{!it.hasNext}$

$\langle \text{Iterator}(\text{s.neighbours}(\text{c})), K, F \rangle$

discover(c)

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

$\langle \text{it.next}, K, F \rangle$

known(n)

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

$\langle \text{it.next}, K \cup \{\text{n}\}, F::\text{n} \rangle$

unknown(n)

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

$\langle \text{it}, K, [] \rangle$

end