15: **while** Q is not empty **do**
16: $n \leftarrow \mathit{out}(Q)$
17: **if** $n.loss < 1$ **then**
18: **for all** $\langle n, n' \rangle \in E$ **do**
19: $p_E^n(\langle n, n' \rangle) \leftarrow \frac{p_E^n(\langle n, n' \rangle)}{(1 - n.loss)}$
20: **for all** $\langle n', n \rangle \in E$ **do**
21: $old \leftarrow p_E^{n'}(\langle n', n \rangle)$
22: $p_E^{n'}(\langle n', n \rangle) \leftarrow p_E^{n'}(\langle n', n \rangle) - n.loss \times old$
23: $n'.loss \leftarrow n'.loss + n.loss \times old$
24: **if** $n' \notin Q$ **then**
25: $\mathit{in}(Q, n')$
26: **if** $n.loss = 1$ **then**
27: $E \leftarrow E - \{\langle n', n \rangle\}$
28: **if** $n.loss = 1$ **then**
29: $N \leftarrow N - \{n\}$
30: **for all** $n \in (N \cap SN)$ **do**
31: $p_N(n) \leftarrow \frac{p_N(n)}{\sum_{n' \in (N \cap SN)} p_N(n')}$
32: **return** G consisting of $\langle N, E, p_N, \vec{p}_E \rangle$