

$\Gamma'(n)$ records $\Gamma(n)$ when node n was last reached in the simulation

$$\Gamma' = \left\{ \begin{array}{l} 4521 \mapsto \{p!, p?\} \\ 4518 \mapsto \{p!, p?\} \\ 4520 \mapsto \{p?, p!\} \\ 4522 \mapsto \{p?, p!\} \\ 4523 \mapsto \{p?, p!\} \\ 4519 \mapsto \{p!, p?\} \end{array} \right\}$$