Algorithm 1 Simulated Query Rollouts

1: $stringlen \leftarrow$ length of $string$
2: $i \leftarrow patlen$
3: top:
4: **for** $i > stringlen$ **do return** false
5:     $j \leftarrow patlen$
6: $loop$:
7: **if** $string(i) = path(j)$ **then**
8:     $j \leftarrow j - 1$.
9:     $i \leftarrow i - 1$.
10:    **goto** $loop$.
11:    **close**;
       return n