## $\textbf{Algorithm 1} \ \mathsf{path.py}$

```
\begin{array}{c|cccc} \textbf{function} & countRoutes\,(m, & n) \\ & \textbf{if} & n{=}-0 & | & | & m{=}-0 \\ & & \textbf{return} & 1 \\ & \textbf{end} & \\ & \textbf{return} & countRoutes\,(m, & n-1) \, + \, countRoutes\,(m-1, & n) \\ \textbf{end} & & \\ \end{array}
```