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Require: a dictionary nodesToPNPS (keys are nodes and values are PNPS), a node src and a node target if there is a path from src to target then pathNodes \leftarrow list of all intermediate nodes in this path else return {bool: False}
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```
end if
if nodeToPNPS[src] \neq None then
if target \notin nodeToPNPS[src] then
return {bool: False}
```

end if
end if
if nodeToPNPS[target] ≠ None then
if src ≠ nodeToPNPS[target] then

Algorithm 2 DSPG Local checker

if  $nodeToPNPS[target] \neq None$  then if  $src \notin nodeToPNPS[target]$  then return {bool: False} end if

return {bool: True, intermediateNodes: pathNodes}

end if