



$L = [v]$ $L = [v, 7]$

$S = \{v\}$ $S = \{7, v\}$

...

$L = [v, 7, \text{3, 6, 5, 4}]$

$S = \{\text{3, 5, 6, 7, v, 4}\}$

Cycle { Successor, v }

$L = [v], \mathcal{L} = \{v\}, u = \text{Successor}[v]$

while ($u \neq s$)

 if ($u \in \mathcal{L}$)

 return $A[\text{find}(A, u), |A|]$

 add u to \mathcal{L}

$L.append(u)$

$u = \text{Successor}[u]$

return NoCycle