

$\text{findMaxSCC}(n: \mathbb{N}, a: 0: \mathbb{N}[n][n]): \text{Queue}$

$\text{allSCC}: \text{Queue}$

$\text{isSCC}: 0: \mathbb{N}[n]$

$i = 0 \dots n-1$

$\text{isSCC}[i] = 0$

$\text{adjacent}: E_1^*[n]$

$i = 0 \dots n-1$

$j = 0 \dots n-1$

$a[i, j] = 1$

$e := \text{new } E_1; \quad e \rightarrow \text{key} := j$

$e \rightarrow \text{next} := \text{adjacent}[i]$

$\text{adjacent}[i] := e$

Skip

$i = 0 \dots n-1$

$\text{isSCC}[i] = 0$

$\text{scc}: \text{Queue}; \quad \text{scc.add}(i)$

$j := (i+1) \dots (n-1)$

$\text{isSCC}[j] = 0 \wedge \text{isPath}(i, j, \text{adjacent}, n) \wedge \text{isPath}(j, i, \text{adjacent}, n)$

$\text{isSCC}[j] = 1$

$\text{scc.add}(j)$

Skip

$\text{allSCC.add}(\text{scc})$

Skip

$\text{maxQ} := \text{allSCC}.\text{first}()$

$\text{allSCC}.\text{length}() \neq 0$

$\text{maxQ}.\text{length}() < \text{allSCC}.\text{first}().\text{length}()$

$\text{maxQ} := \text{allSCC}.\text{rem}()$

Skip

return maxQ

$\text{isPath}(\text{source} : \mathbb{N}, \text{destination} : \mathbb{N}, \text{adjacent} : E^*_1[n] \text{ } n : \mathbb{N}) : \mathbb{L}$

$\text{visited} \setminus 0 : \mathbb{N}[n];$

$i = 0 \dots n-1$

$\text{visited}[i] = 0$

return $\text{search}(\text{source}, \text{destination}, \text{adjacent}, \text{visited});$

$\text{search}(\text{current}:\mathbb{N}, \text{destination}:\mathbb{N}, \text{adjacent}:E_1^*[n], \text{visited}:O:\mathbb{N}[n]):\mathbb{L}$

current = destination		
return true	skip	
visited[current] := 1		
c := adjacent[current]		
c ≠ ∅		
visited[c → key] = 0		
search(c → key, destination, adjacent, visited)		Skip
return true	Skip	
return false		