Strongly Connected Components								
A strongly connected component is the portion of a difference vertex to another vertex	rected	graph	in w	hich	there	is a f	oath	
from each vertex to another vertex	has to	be dure	ected					
0 → 0 5 0 ← 0								
Graph w/ 3 SCC's								
Kosaraju's Algorithm								
· An algorithm that finds the SCC's of a given, dire	ected o	jraph.	Kos	arajo	is a	lgori	thm	
An algorithm that finds the SCC's of a given, directly uses a DFS to help find the SCC's.								
This algorithm consists of the following main								
O First DFS Phase (Top Sort)								
-Find topological ordering of the graph								
@ Reverse (Transpose) Graph								
- Reverse direction of all edges in the dire	ected	graph	. .					
3 Second DFS Phase								
- Identify SCC's by starting DFS from each	poppe	d vert	ex b	ased	on	heir		
finishing times obtained in the First s)	nace.						
<u> </u>								
Example:								
"Given the following directed graph, find the SCC's								
$\begin{array}{cccccccccccccccccccccccccccccccccccc$								
$(5) \longrightarrow (6)$								

