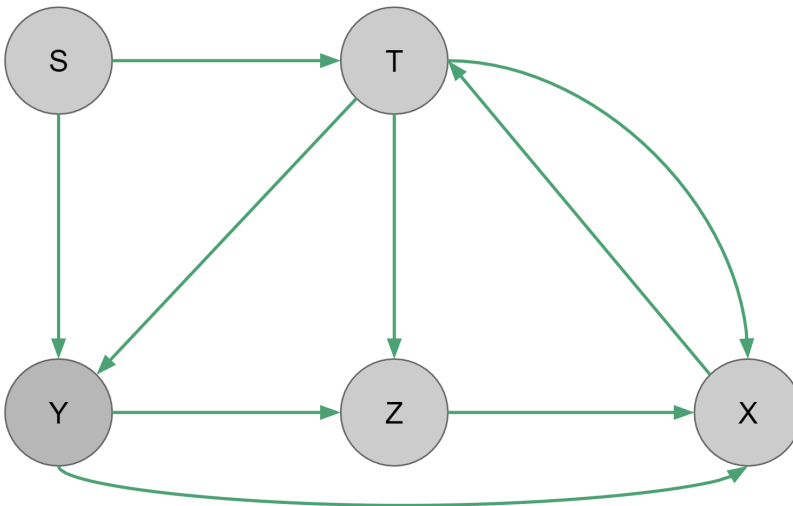


Section 7: Graphs

0. Simulating BFS

Do a BFS traversal of this graph starting at node S. What is the resulting tree?



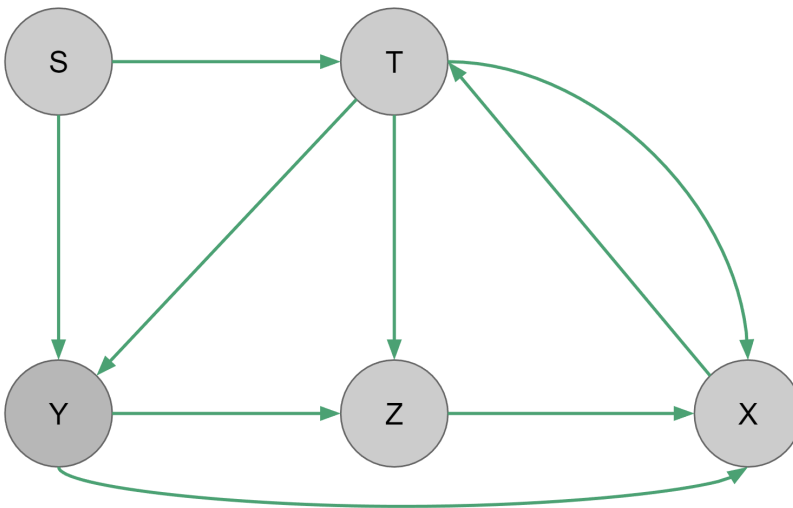
Vertex	Pred	Processed?
S		
T		
X		
Y		
Z		

Queue of vertices to explore:

--	--	--	--	--

1. Simulating DFS

Do a DFS traversal of this graph starting at node S. What is the resulting tree?



Vertex	Pred	Processed?
S		
T		
X		
Y		
Z		

Stack of vertices to explore:

--	--	--	--	--

2. Topological Sort

a) Does this graph have a topological sort? Why or why not?

If it does, find a topological sort of the graph.

If it does not, remove the MINIMUM possible number of edges so that the graph will have a topological sort.

