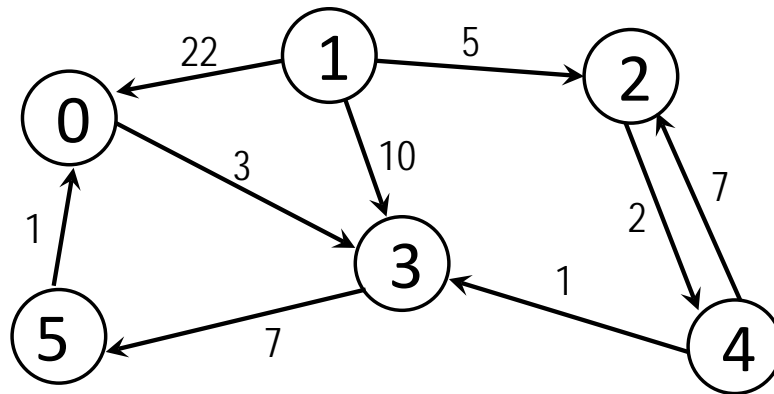# Quiz 9

Instructor: Sandy Irani

1. Consider the the following directed graph.

(a) If Dijkstra's shortest path is called on this graph with start vertex 1, then in what order are the vertices marked?

(b) Fill in the array below showing the predecessors for each vertex that result from computing the shortest paths from node 1. These are the p_v values as described in your lab.

	0	1	2	3	4	5
Predecessors:						