Lab 6

Single-Source Shortest Paths.

The PERT (program evaluation and review technique) chart formulation given above is somewhat unnatural. It would be more natural for vertices to represent jobs and edges to represent sequencing constraints; that is, edge (u, v) would indicate that job u must be performed before job v. weights would then be assigned to vertices, not edges. Write a procedure that can finds a longest path in a directed acyclic graph with weighted vertices in linear time.