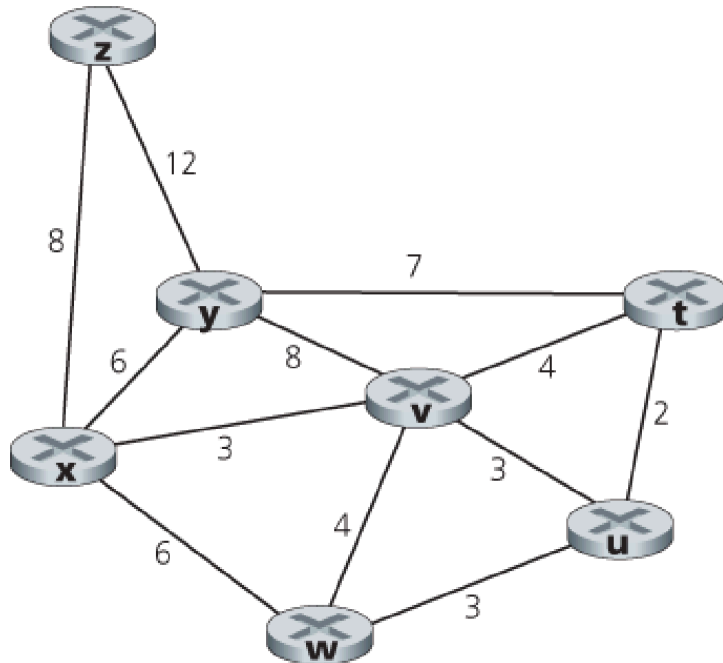


Homework on Routing Algorithm



1. Consider the following network. With the indicated link costs, use Dijkstra's shortest-path algorithm to compute the shortest path from *x* to all network nodes. Show how the algorithm works by computing a table, do the following:
 2. a. Compute the shortest path from *t* to all network nodes.
 3. b. Compute the shortest path from *u* to all network nodes.
 4. c. Compute the shortest path from *v* to all network nodes.
 5. d. Compute the shortest path from *w* to all network nodes.
 6. e. Compute the shortest path from *y* to all network nodes.
 7. f. Compute the shortest path from *z* to all network nodes.