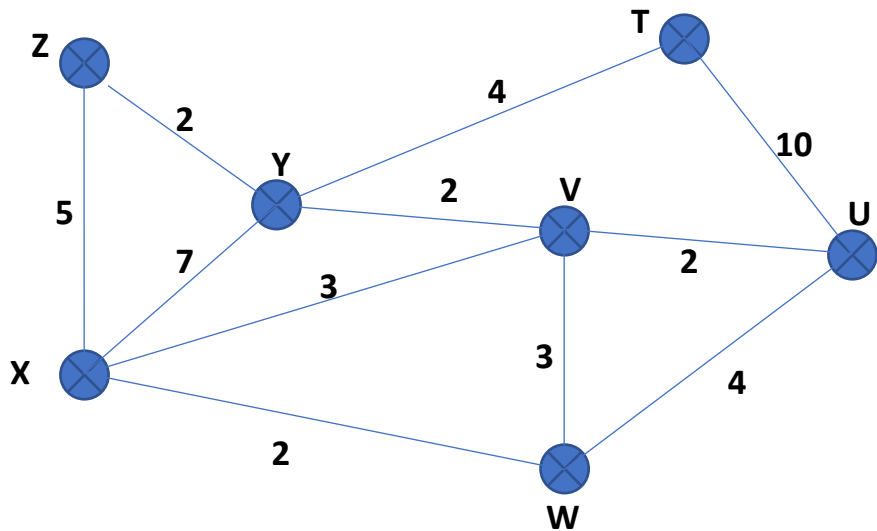


CIS 420 Computer Networks Quiz

Name:

Consider the following network. With the indicated link costs, use Dijkstra’s shortest-path algorithm to compute the shortest path from Z to all network nodes. Show how the algorithm works by computing a table. Once completed redraw the topology by removing the links that are not needed.



Step	N'	D(X),p(X)	D(Y),p(Y)	D(V),p(V)	D(W),p(W)	D(U),p(U)	D(T),p(T)
0							
1							
2							
3							
4							
5							
6							