

24.1-1

Run the Bellman-Ford algorithm on the directed graph of Figure 24.4, using vertex z as the source. In each pass, relax edges in the same order as in the figure, and show the d and π values after each pass. Now, change the weight of edge (z, x) to 4 and run the algorithm again, using s as the source.

2. Exercise 24.2-1, using vertex t as the source

D values

R	S	T	X	y					
inf	inf	0	inf	inf					
inf inf	inf	0	inf	inf					
inf	inf	0	7	4					
inf	inf	0	7	4					
inf	inf	0	7	4					

π values