

[0]
Itinerary = (1-2-4-1), (3-5-3)
 $z = 13$

[1]
 $c_{12} = \infty$
Itinerary = (1-4-3-5-2-1)
 $z = 14$ (incumbent)

[2]
 c_{21} , row 1, col. 2 = ∞
Itinerary = (1-2-4-1), (3-5-3)
 $z = 13$

[3]
+: $c_{41} = \infty$
Itinerary = (1-2-4-3-5-1)
 $z = 15$ (pruned)

[4]
+: c_{14} , row 4, col. 1 = ∞
Itinerary = (1-2-4-1), (3-5-3)
 $z = 13$

[5]
+: $c_{35} = \infty$
Itinerary = (1-2-5-3-4-1)
 $z = 18$ (pruned)

[6]
+: c_{53} , row 3, col. 5 = ∞
Itinerary = (1-2-3-5-4-1)
 $z = 18$ (pruned)

Optimum is Node [1].