********** Model Condition -model.10.5400000.0.000000037/ Replicate -1/ **********
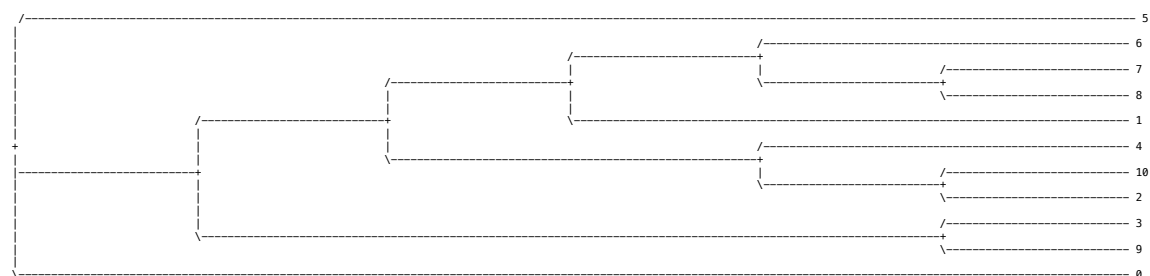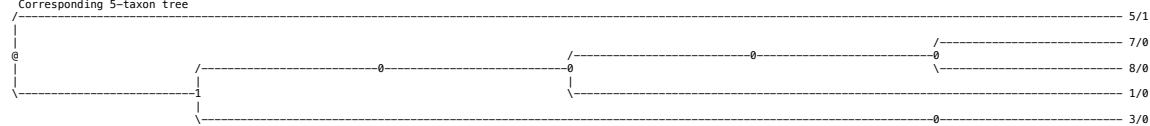
Original Tree as_newick_string()

(5:5400000.0,((((6:1135707.13388,(7:124380.622316,8:124380.622316):1011326.51156):3189626.63296,1:4325333.76684):625919.030201,(4:1147251.3304,(10:140529.487752,2:140529.487752):1006721.84265):3804001.46664):341666.621735,(3:3451645.43217,9:3451645.43217):1841273.9866):107080.581227,0:10800000.0)

quintet ['1', '3', '5', '7', '8']
original tree for debugging purpose

```
 /------------------------------------------------------------------------------------------------ 5
 |
 |                                                                       /------------------------- 6
 |                                               /-----------------------+
 |                                               |                       |             /----------- 7
 |                       /-----------------------+                       \-------------+
 |                       |                       |                                     \----------- 8
 |                       |                       \-------------------------------------------------- 1
 |                       |
 +             /---------+                                               /------------------------- 4
 |             |         |                       /-----------------------+
 |-------------+         |                       |                       |             /----------- 10
 |             |         \-----------------------+                       \-------------+
 |             |                                                                       \----------- 2
 |             |
 |             |                                                         /------------------------- 3
 |             \---------------------------------------------------------+
 |                                                                       \------------------------- 9
 |
 \------------------------------------------------------------------------------------------------ 0
```

```
  Corresponding 5-taxon tree
 /------------------------------------------------------------------------------------------------ 5/1
 |
 @                                                                       /------------------------- 7/0
 |                       /-----------------------0-------------------0---------0-----------0
 |                       |                                                                \--------- 8/0
 \-----------------------1                       \-------------------------------------------------- 1/0
                         |
                         \------------------------------------------------------------0------------- 3/0
```

U = [955, 23, 22, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0]

Newark string of the 5-taxon subtree

('5/1':5400000.0,(((((('7/0':124380.622316,'8/0':124380.622316)0:1011326.51156)0:3189626.63296,'1/0':4325333.76684)0:625919.030201)0:341666.621735,('3/0':3451645.43217)0:1841273.9866)1:107080.581227)

 Analysis:-
 1)best score on the dataset - 0
 2) # edges that have the best score - 9