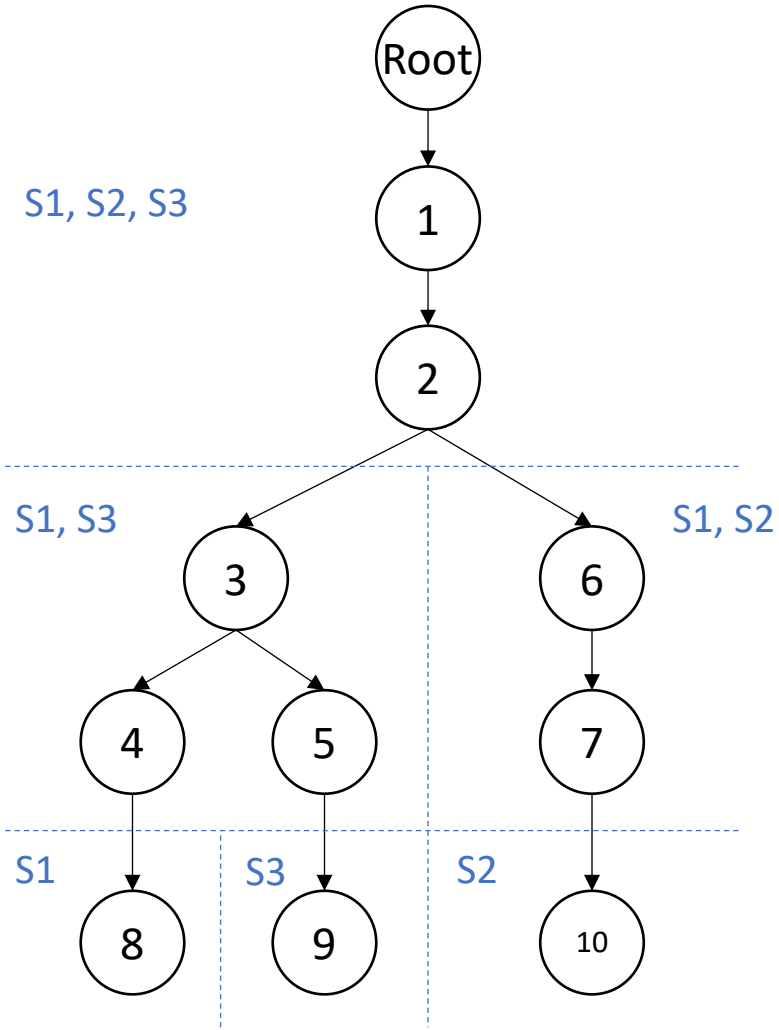
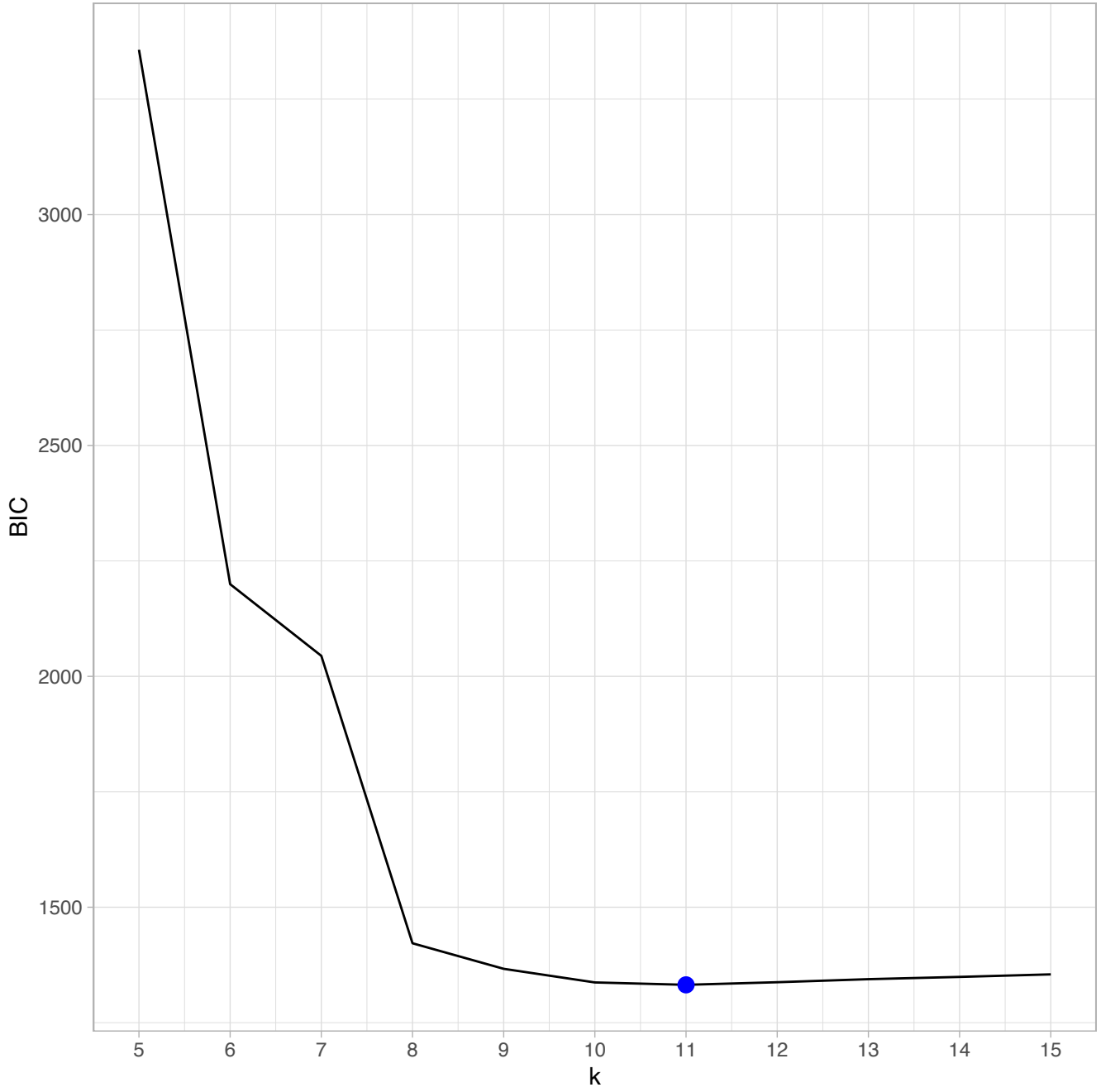
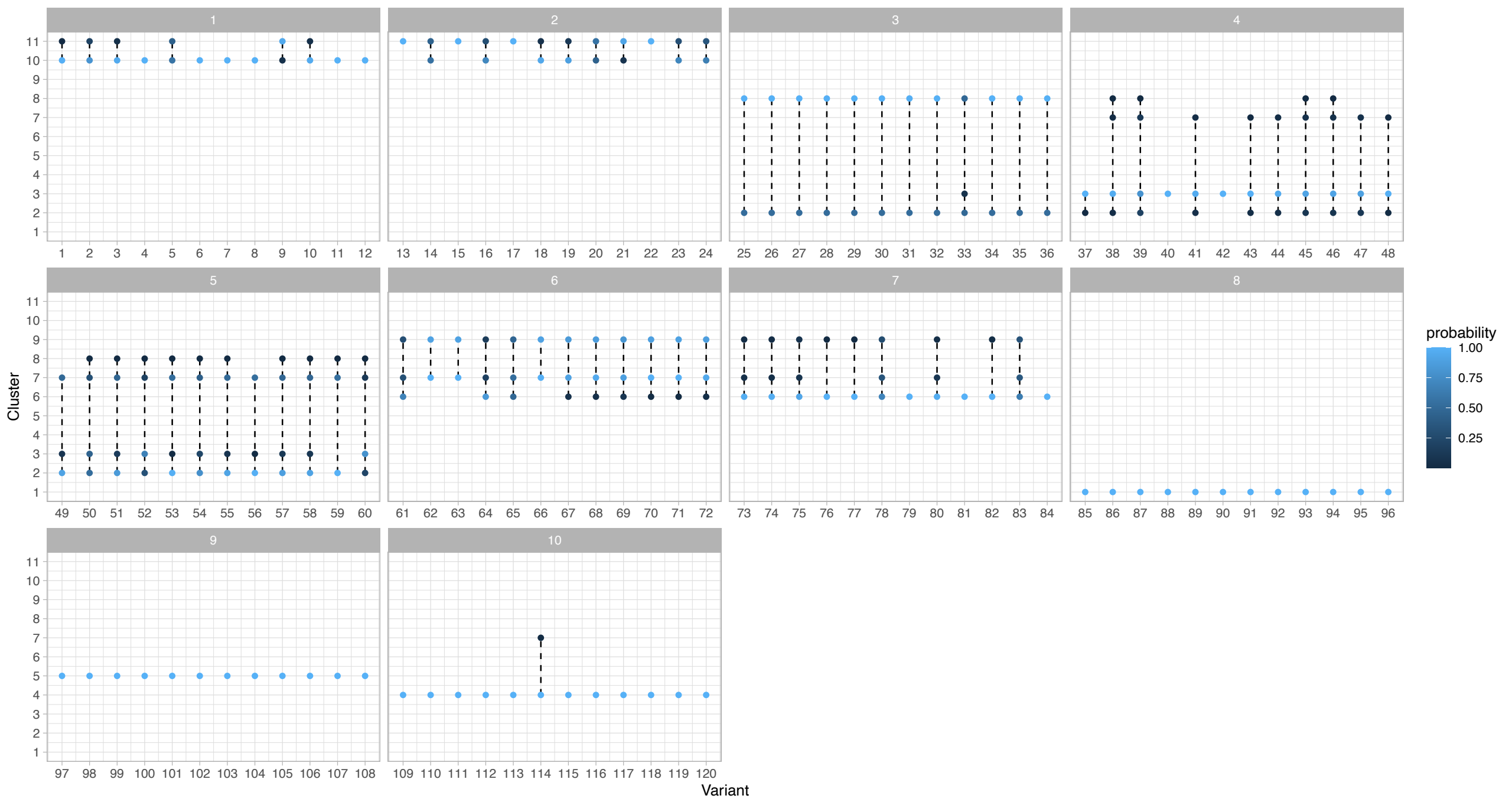
Simulated data: 120 variants total, 12 per cluster



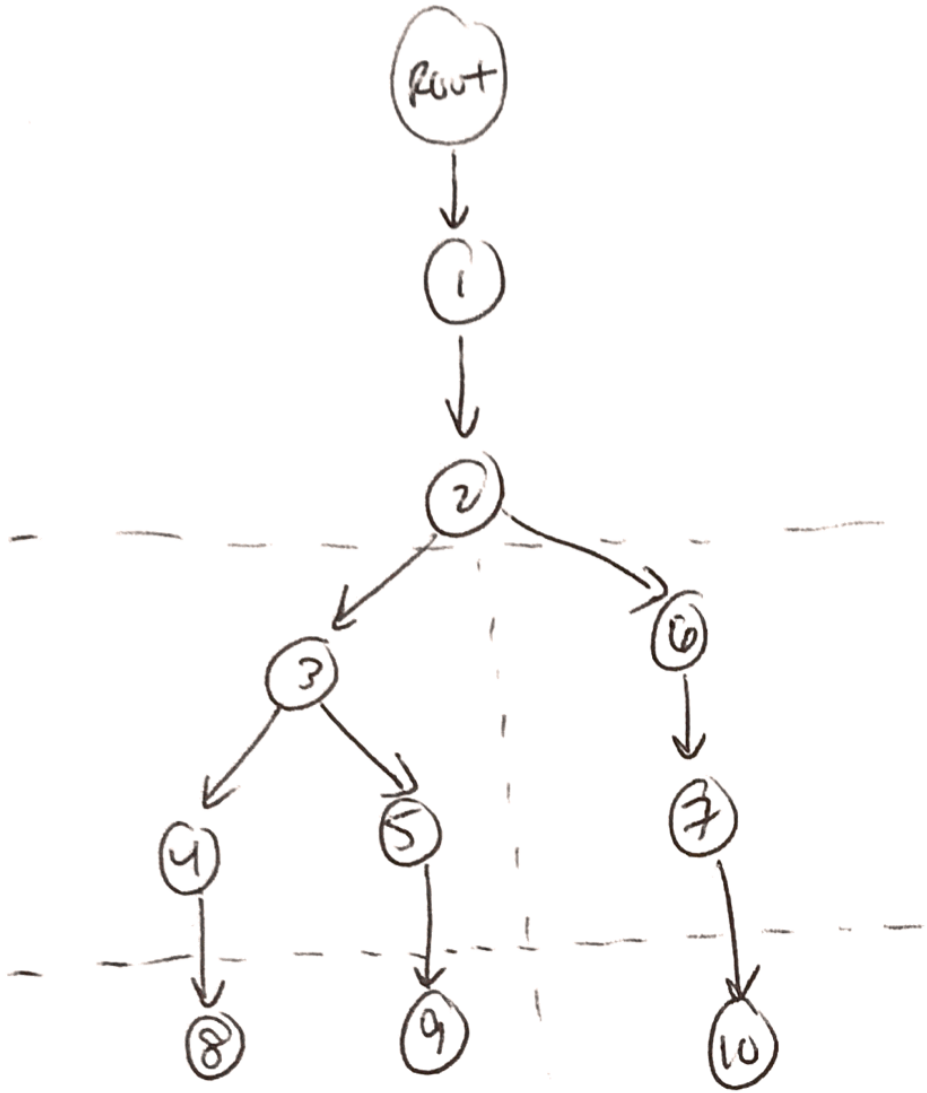
MCF, ω

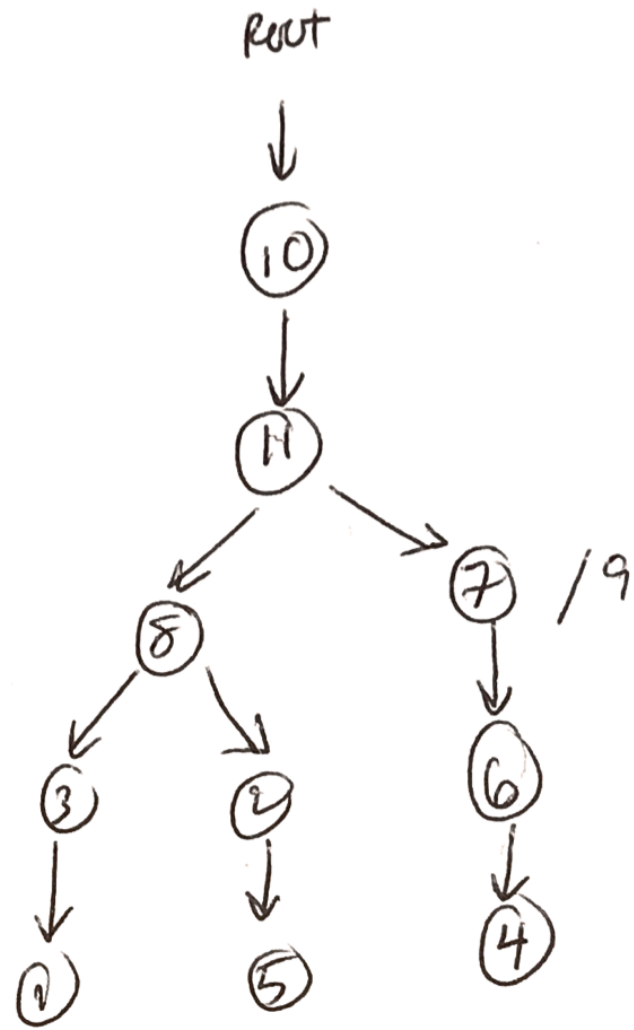
k	S1	S2	S3
1	0.98	0.99	0.97
2	0.98	0.90	0.82
3	0.55	0.00	0.80
4	0.20	0.00	0.50
5	0.30	0.00	0.30
6	0.43	0.90	0.00
7	0.30	0.70	0.00
8	0.20	0.00	0.00
9	0.00	0.00	0.30
10	0.00	0.50	0.00

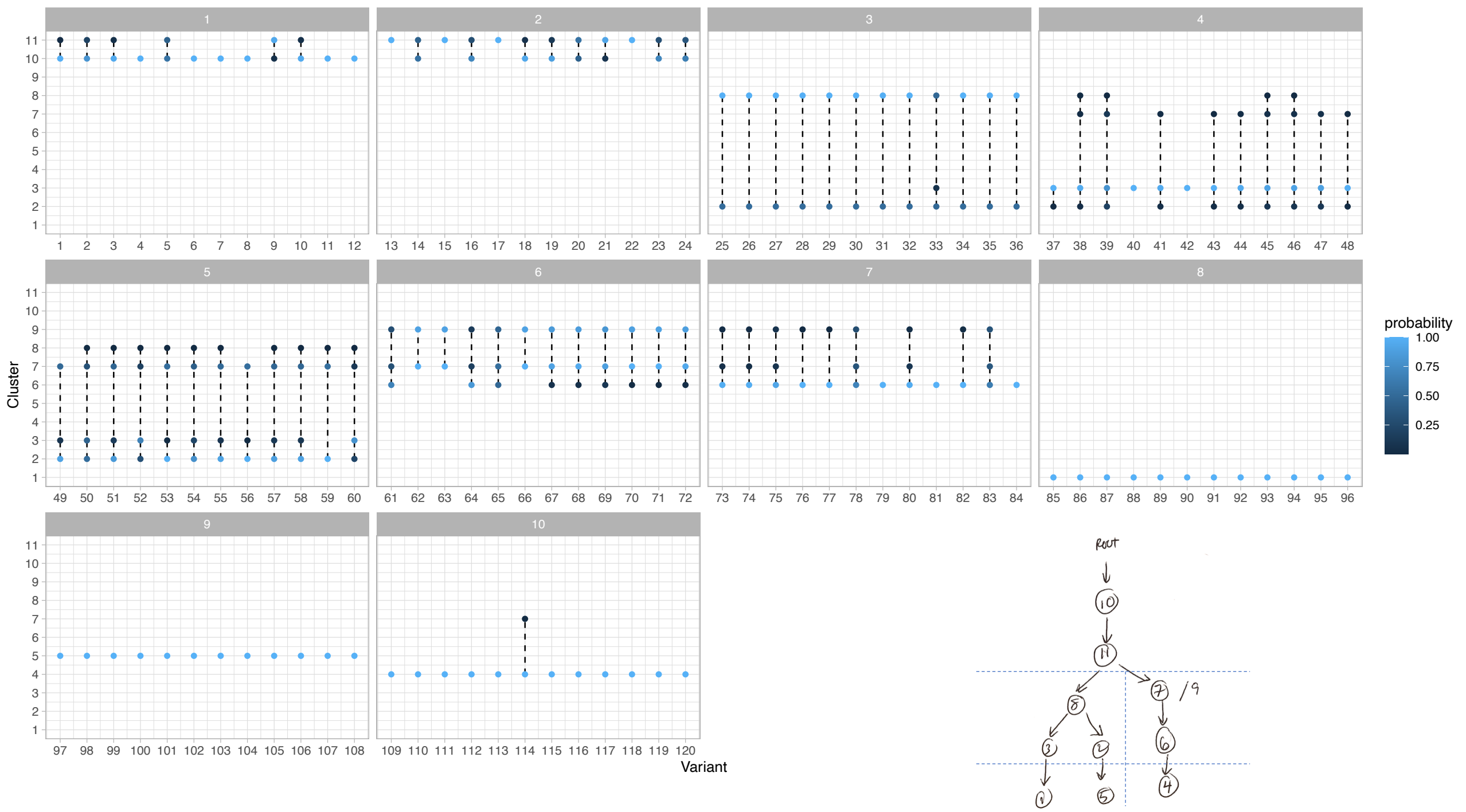

BIC
3000
2500
2000
1500
5
6
7
8
9
10
11
12
13
14
15
k

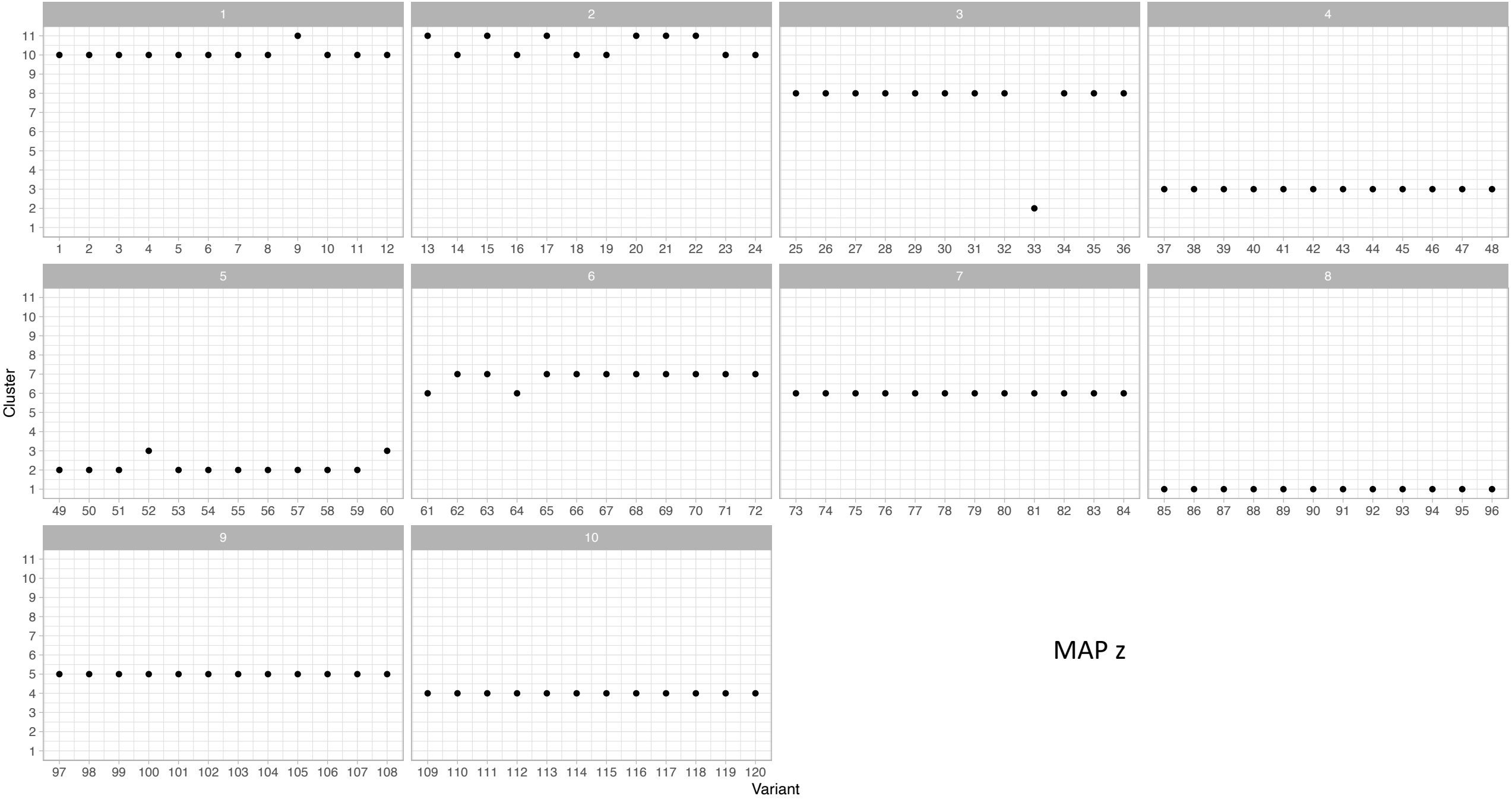

1
2
3
4
5
6
7
8
9
10
Cluster
Variant
probability
1.00
0.75
0.50
0.25

True tree



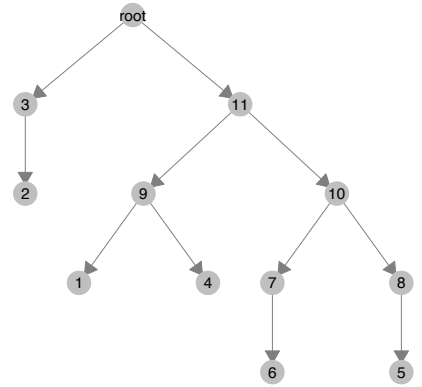



1
2
3
4
5
6
7
8
9
10
Cluster
Variant
probability
1.00
0.75
0.50
0.25
root
10
11
8
7
9
3
2
6
1
5
4

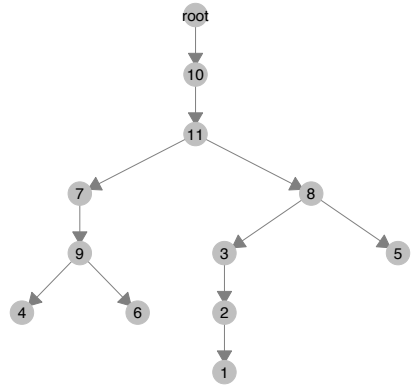

1
2
3
4
5
6
7
8
9
10
Cluster
Variant
MAP z

Top 10 trees ranked by frequency (total 5000 trees)

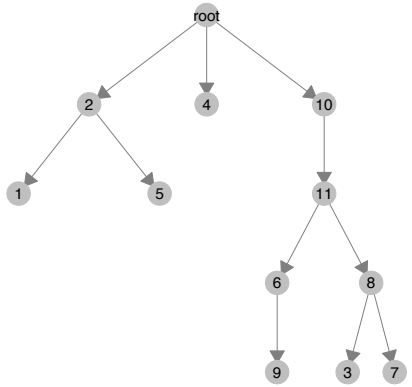
Rank 1, freq = 0.0028, score = 0.005



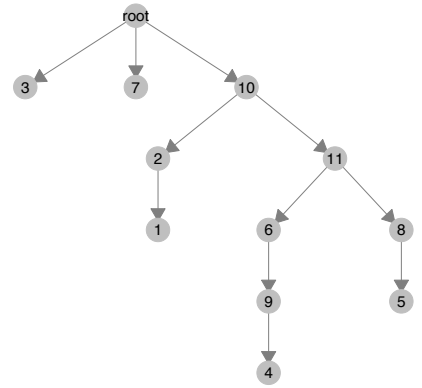
Rank 2, freq = 0.0026, score = 0.103



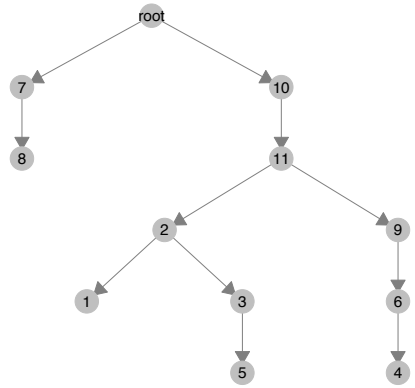
Rank 3, freq = 0.0026, score = 0.013



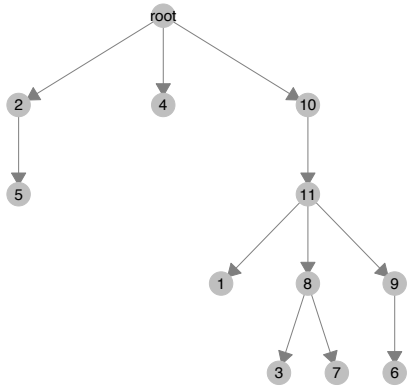
Rank 4, freq = 0.0026, score = 0.003



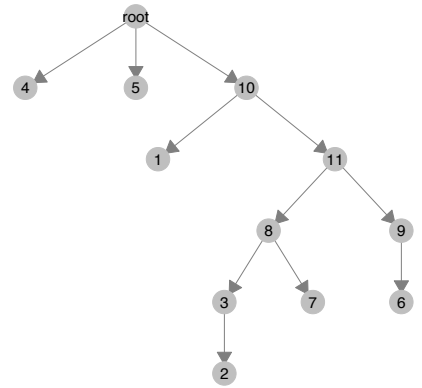
Rank 5, freq = 0.0024, score = 0.05



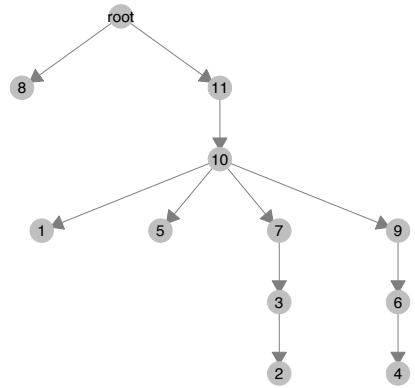
Rank 6, freq = 0.0024, score = 0.022



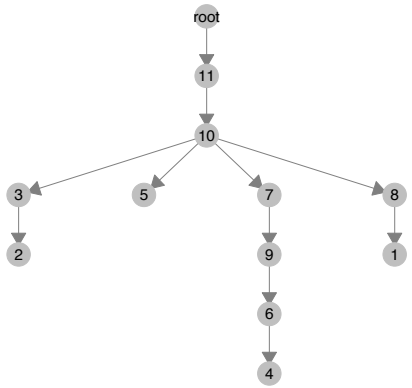
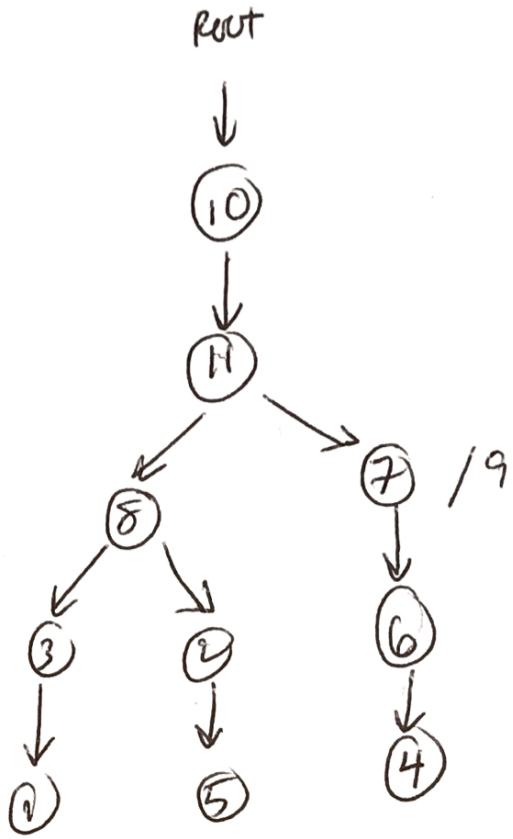
Rank 7, freq = 0.0024, score = 0.016



Rank 8, freq = 0.002, score = 0.014



Rank 9, freq = 0.002, score = 0.006



Truth