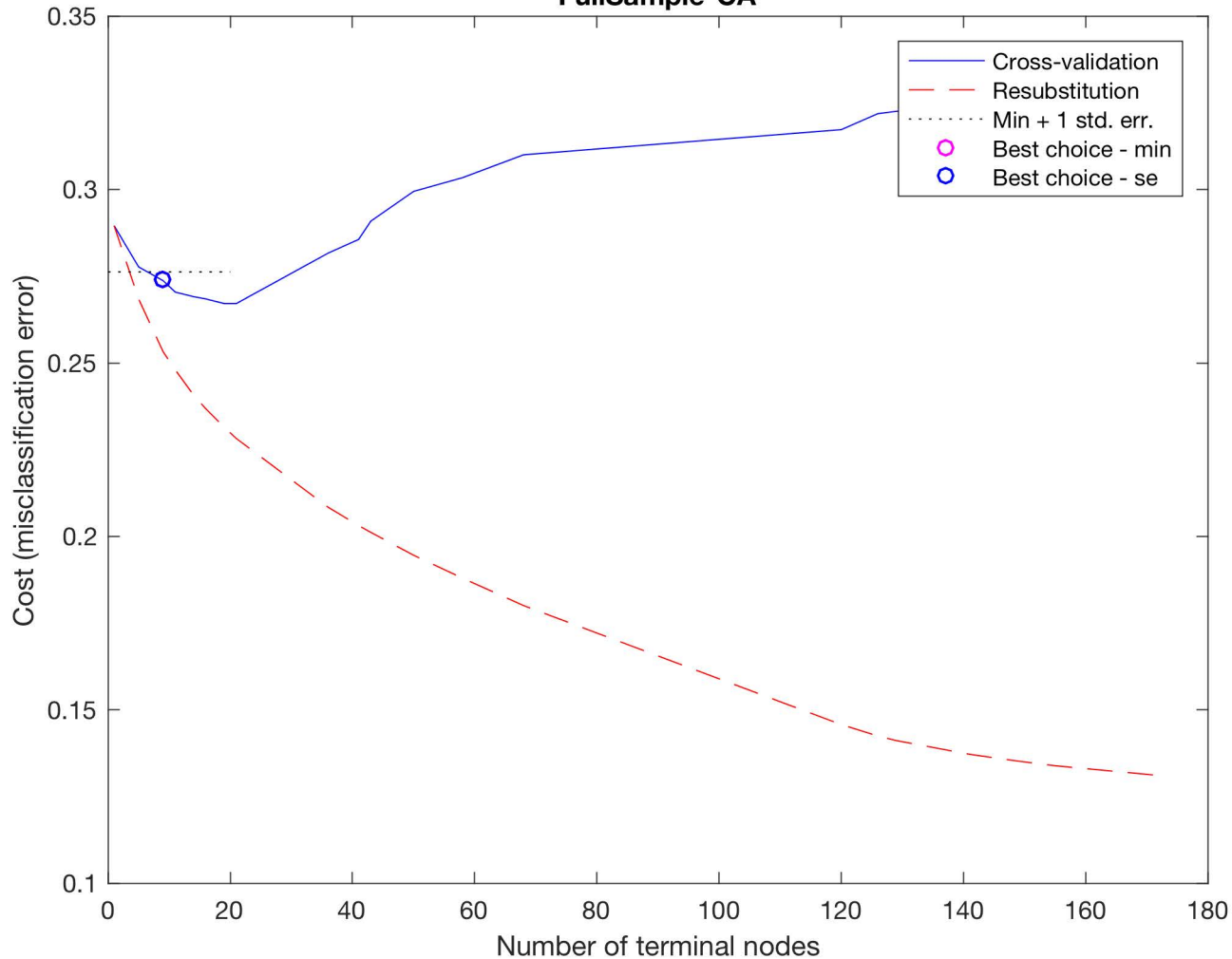


Additional Trees

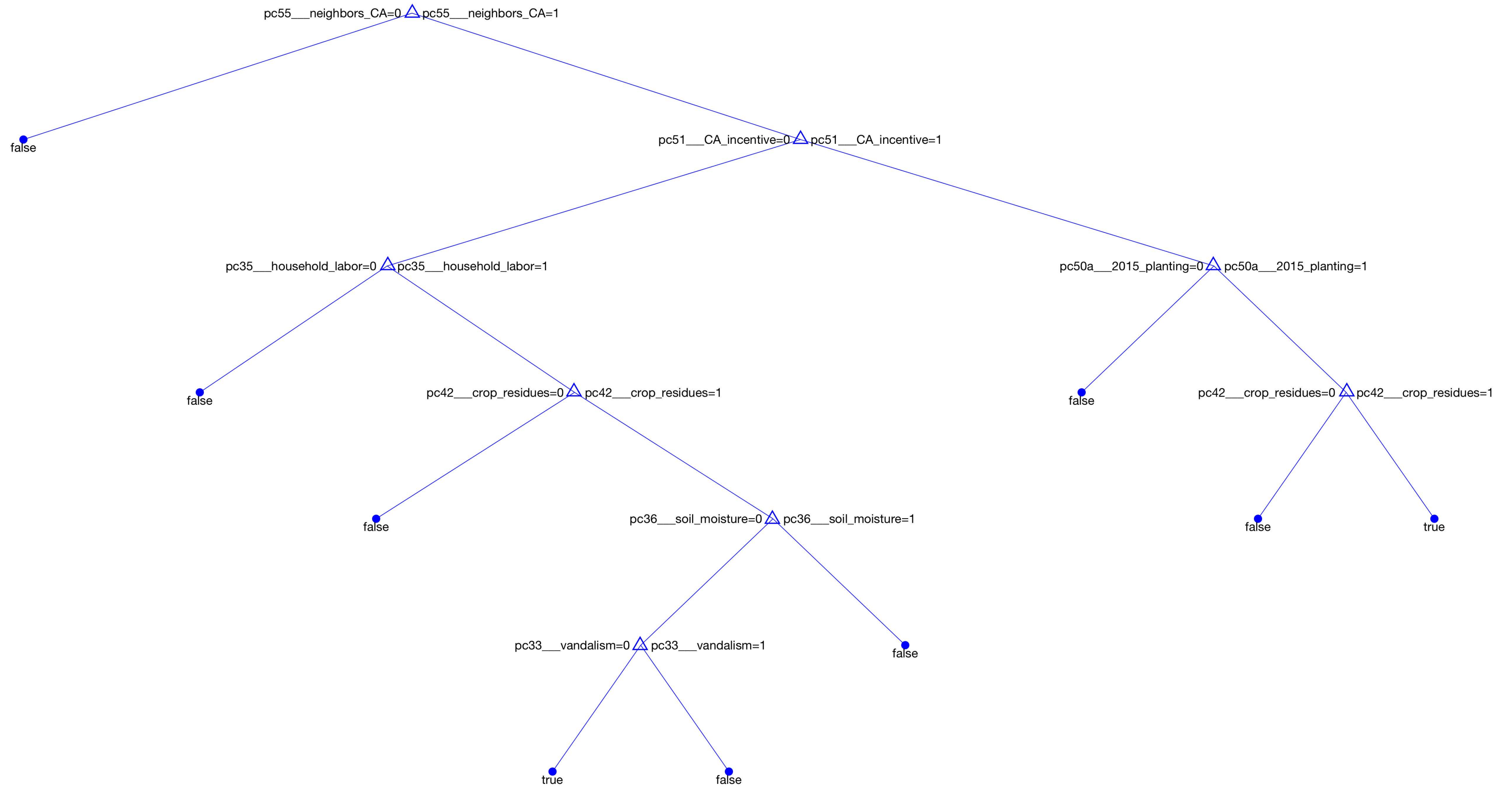
This file contains additional raw classification tree outputs not included in the main article, including outputs generated for specific treatment subsets of NAP (Non-agglomeration payment) and AP (Agglomeration payment). Each case includes the following: i) a plot of OOB prediction error for both the 'min' and 'se' approaches to selecting optimal trees, ii) a tree drawing for each of the 'min' and 'se' cases, and iii) a summary of cases and predictions at each node.

FullSample-CA



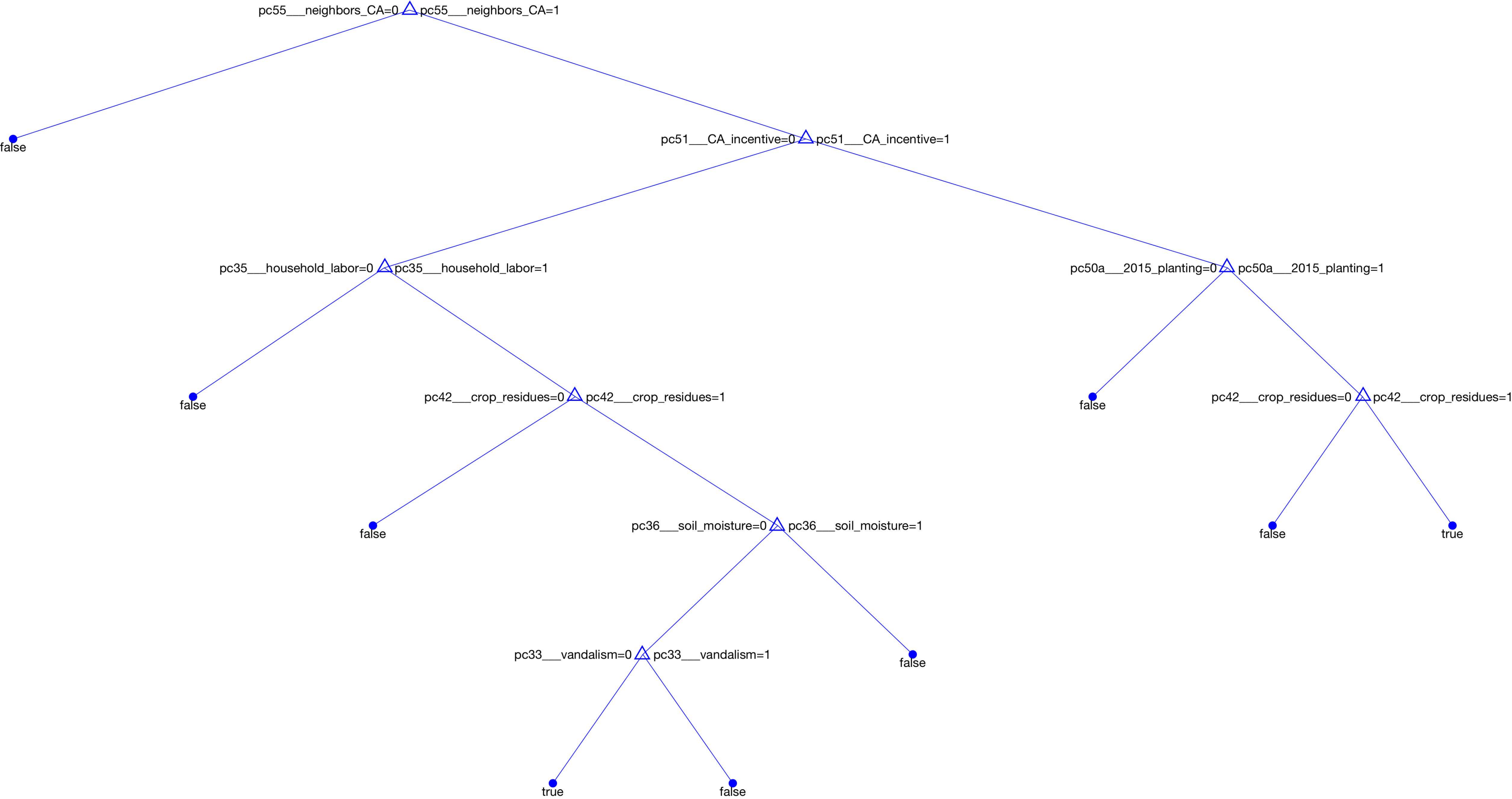
Node	ProbFalse	ProbTrue	Cases
2	0.85569986	0.14430014	693
6	0.79591837	0.20408163	98
8	0.58041958	0.41958042	143
10	0.73451327	0.26548673	113
12	0.63157895	0.36842105	38
13	0.37878788	0.62121212	132
15	0.6462585	0.3537415	147
16	0.35443038	0.64556962	79
17	0.5890411	0.4109589	73

FullSample-CA - MIN

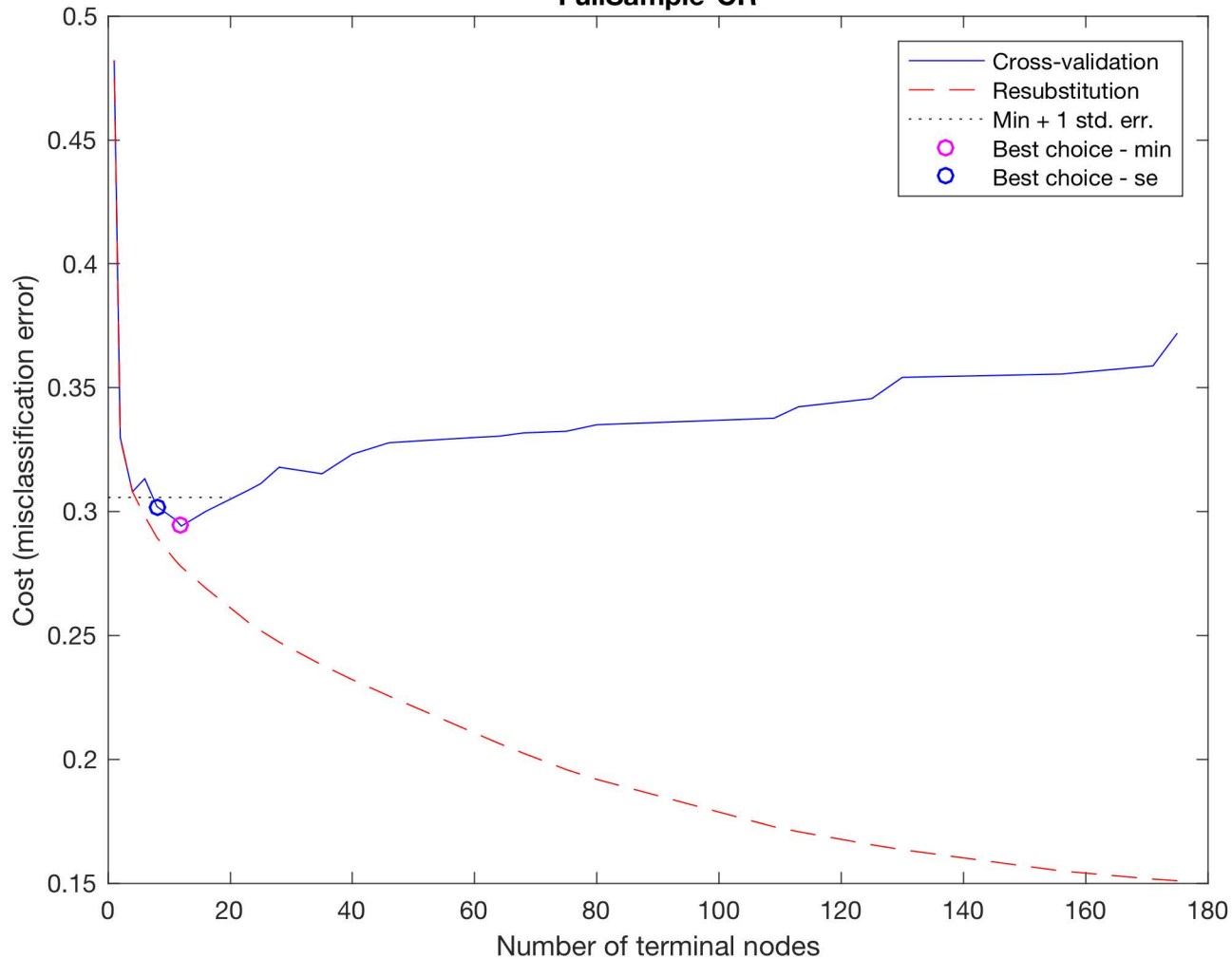


Node	ProbFalse	ProbTrue	Cases
2	0.85569986	0.14430014	693
6	0.79591837	0.20408163	98
8	0.58041958	0.41958042	143
10	0.73451327	0.26548673	113
12	0.63157895	0.36842105	38
13	0.37878788	0.62121212	132
15	0.6462585	0.3537415	147
16	0.35443038	0.64556962	79
17	0.5890411	0.4109589	73

FullSample-CA - SE

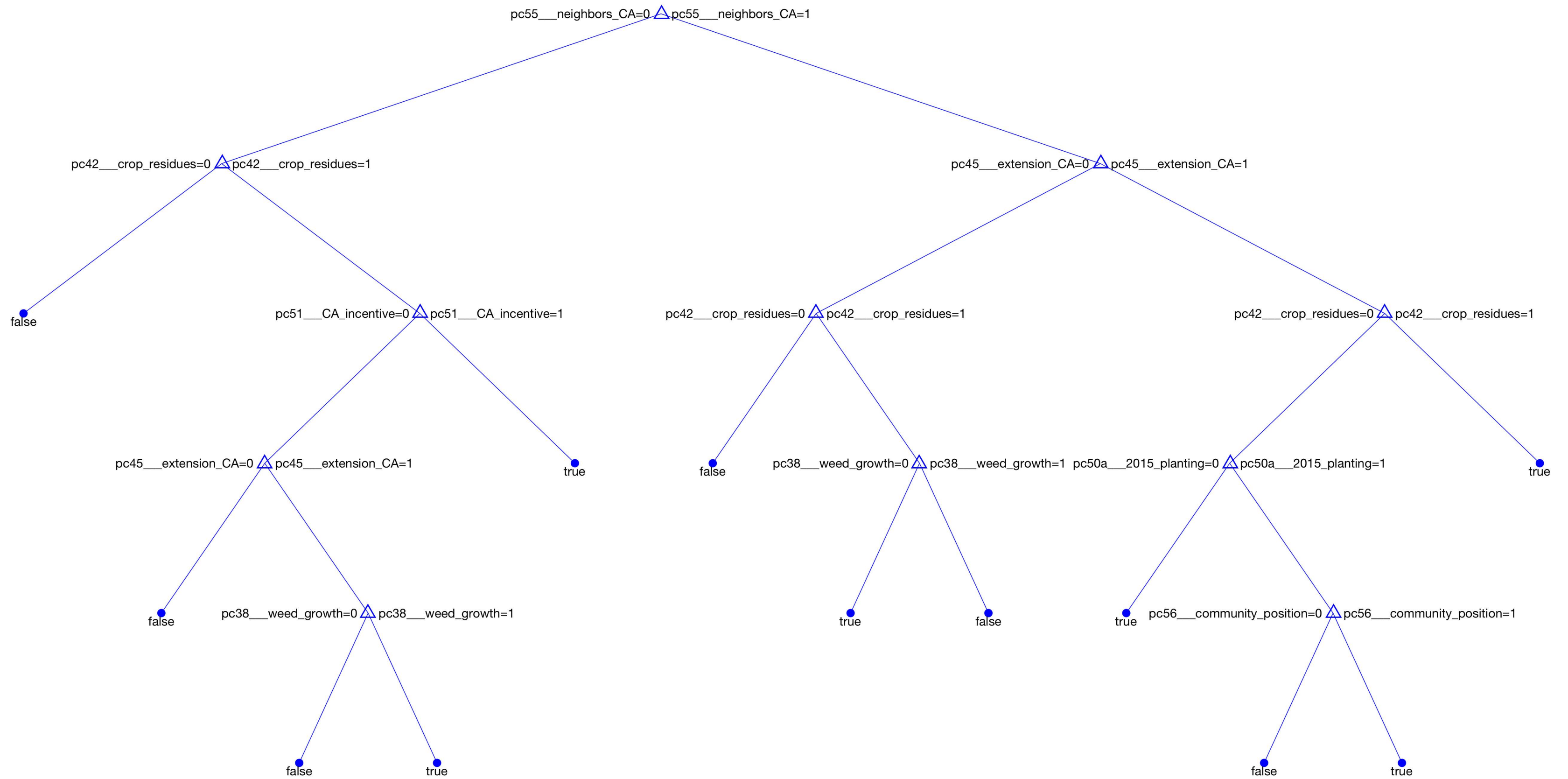


FullSample-CR



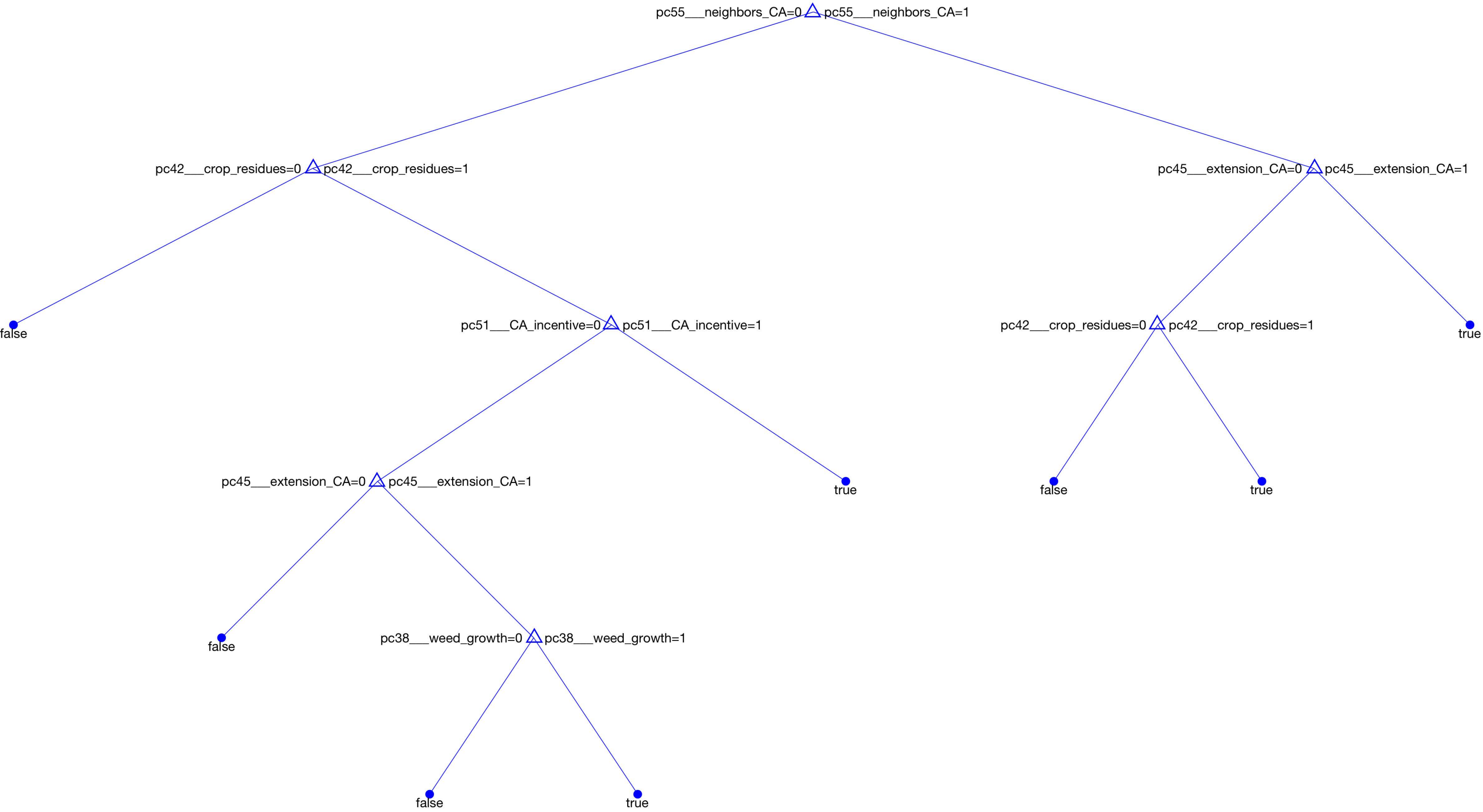
Node	ProbFalse	ProbTrue	Cases
4	0.8044164	0.1955836	317
9	0.3539823	0.6460177	113
10	0.63157895	0.36842105	57
13	0.22961373	0.77038627	466
14	0.76859504	0.23140496	121
16	0.28205128	0.71794872	39
17	0.52564103	0.47435897	78
18	0.26666667	0.73333333	75
20	0.73170732	0.26829268	41
21	0.43564356	0.56435644	101
22	0.61666667	0.38333333	60
23	0.35416667	0.64583333	48

FullSample-CR - MIN

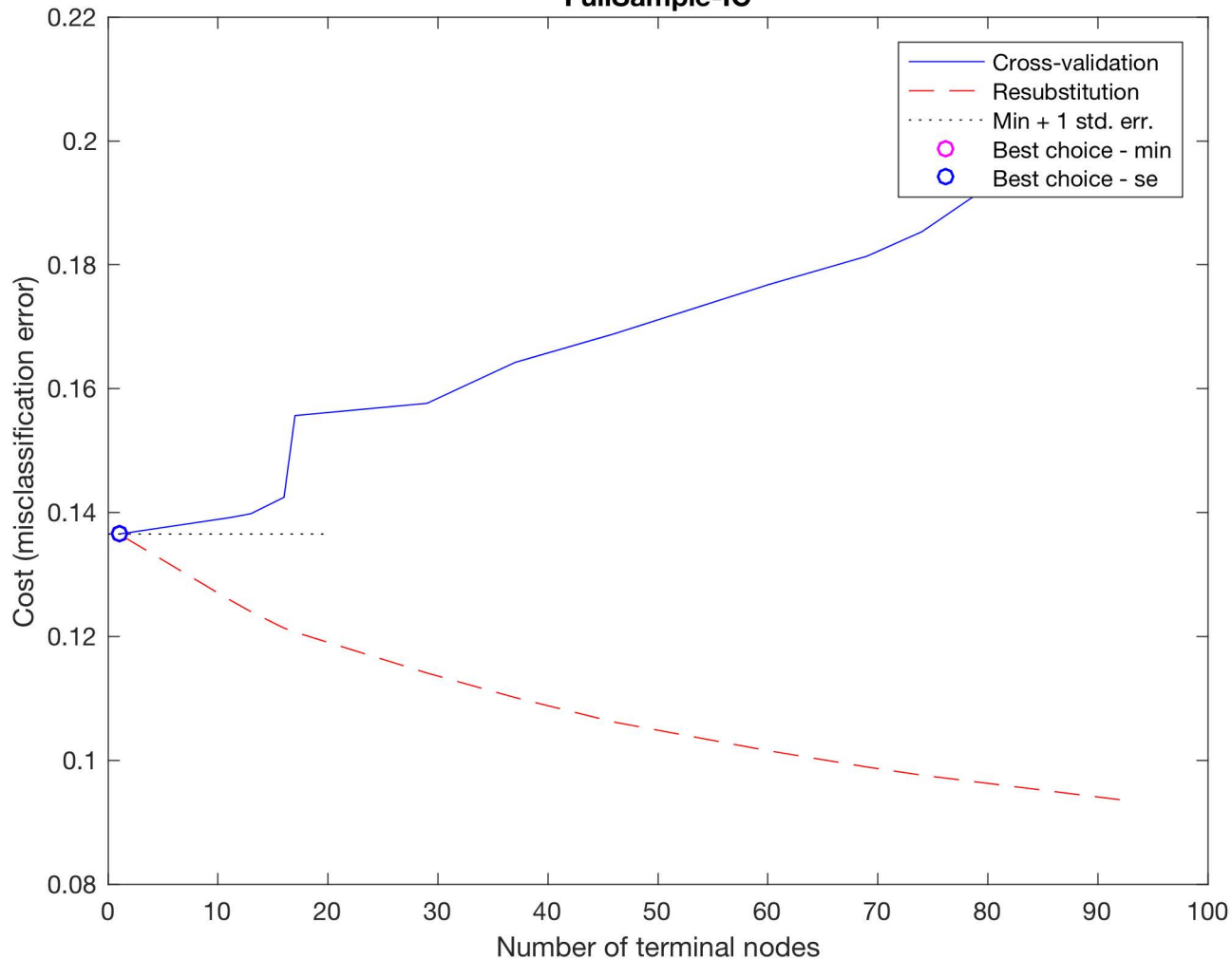


Node	ProbFalse	ProbTrue	Cases
4	0.8044164	0.1955836	317
7	0.2788906	0.7211094	649
9	0.3539823	0.6460177	113
10	0.63157895	0.36842105	57
11	0.44444444	0.55555556	117
12	0.76859504	0.23140496	121
14	0.73170732	0.26829268	41
15	0.43564356	0.56435644	101

FullSample-CR - SE



FullSample-IC



Node	ProbFalse	ProbTrue	Cases
1	0.13654354	0.86345646	1516



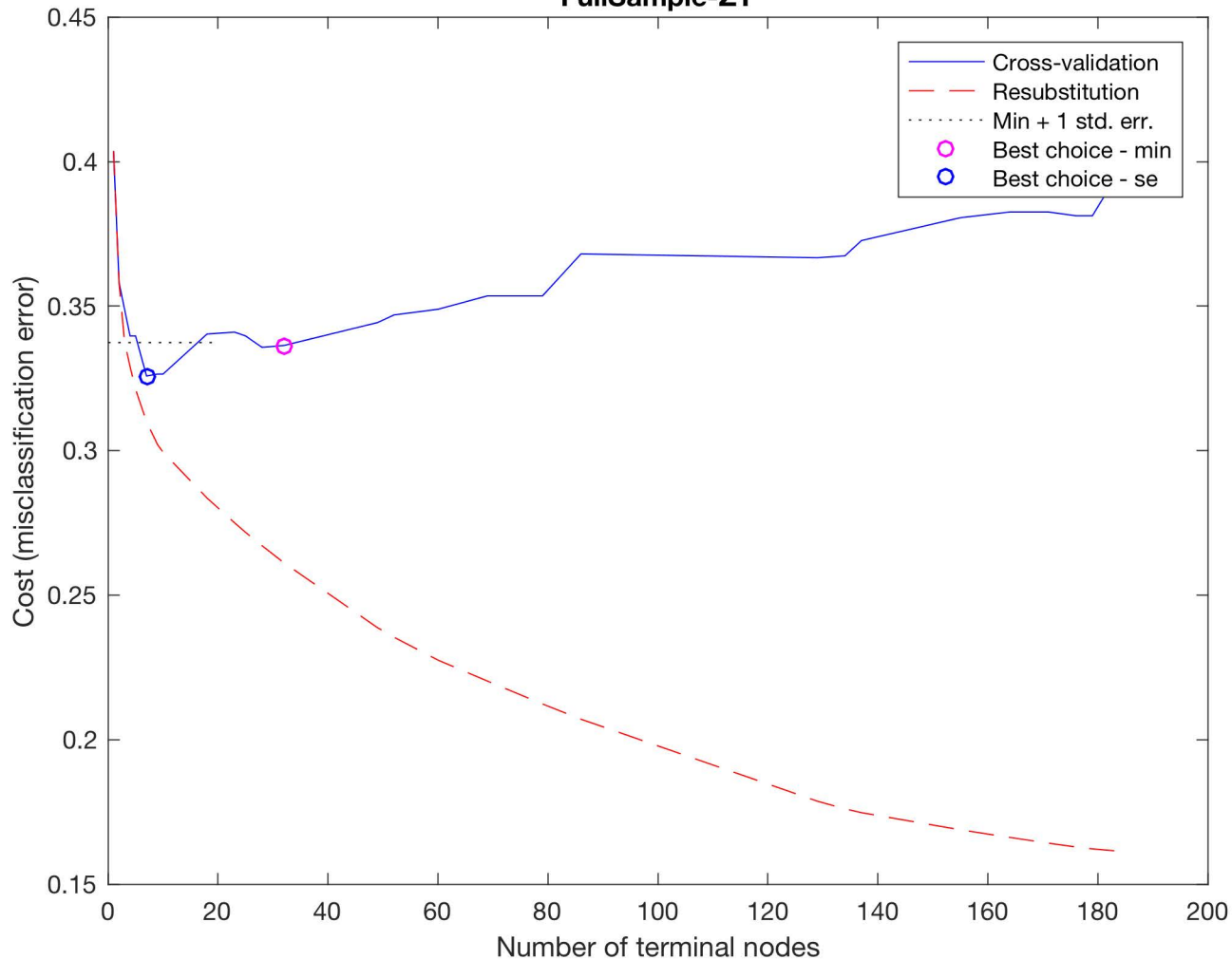
true

Node	ProbFalse	ProbTrue	Cases
1	0.13654354	0.86345646	1516



true

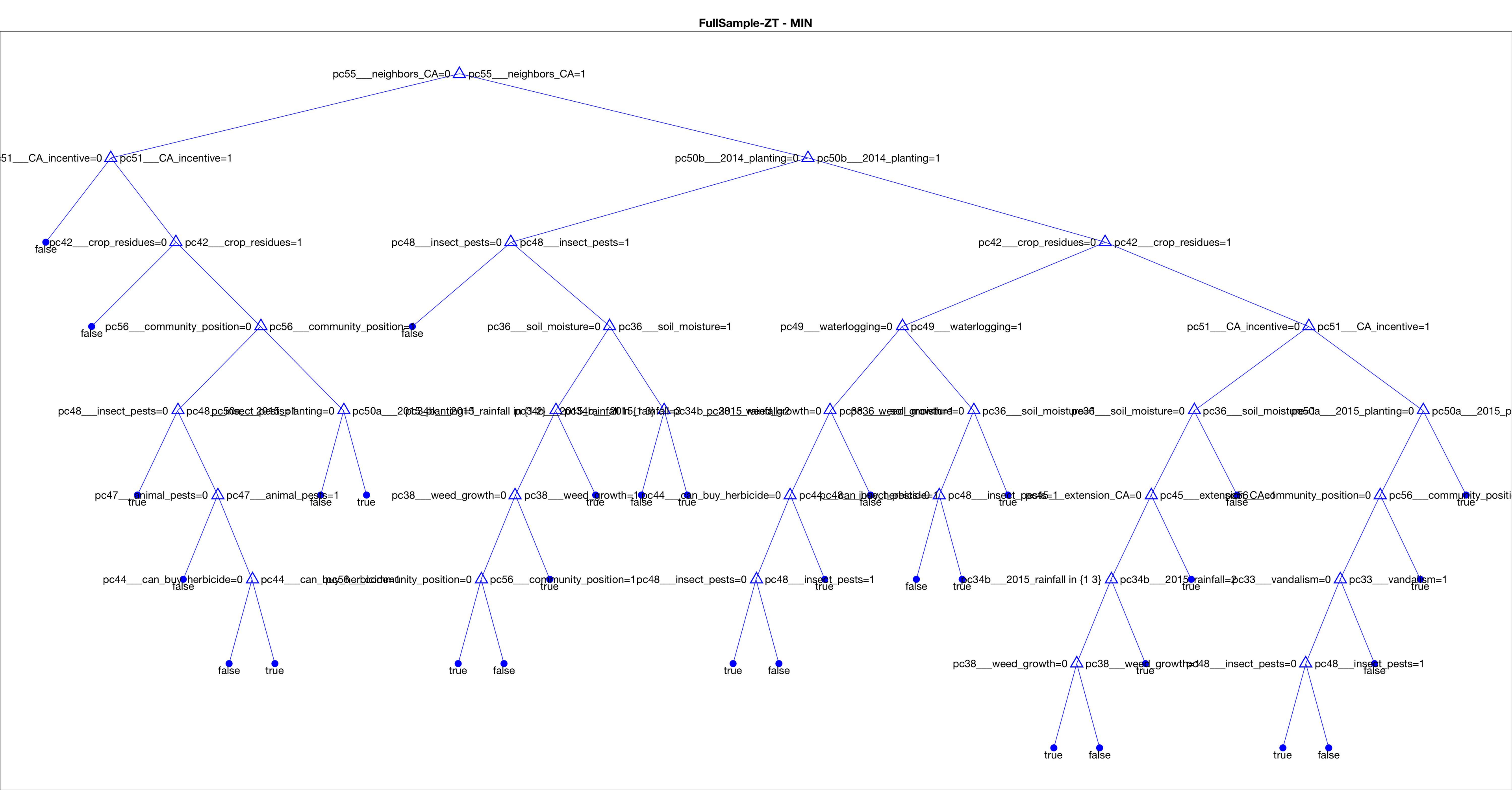
FullSample-ZT



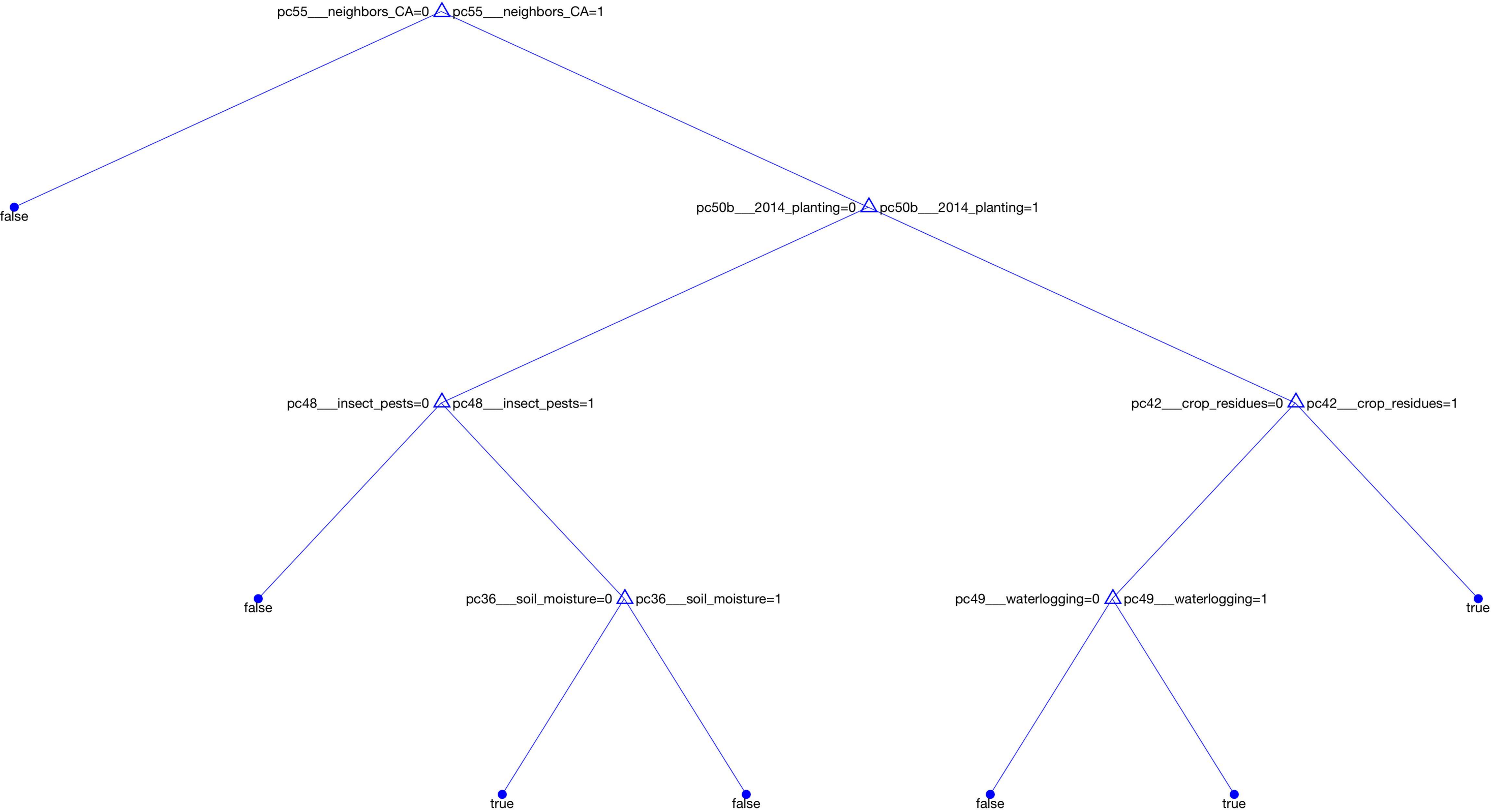
Node	ProbFalse	ProbTrue	Cases
4	0.80038388	0.19961612	521
8	0.81355932	0.18644068	59
10	0.69148936	0.30851064	94
22	0.32142857	0.67857143	28
24	0.9	0.1	20
25	0.4	0.6	15
27	0.21052632	0.78947368	19
28	0.64814815	0.35185185	54
29	0.16666667	0.83333333	6
31	0.6627907	0.3372093	86
33	0.20833333	0.79166667	24
35	0.55172414	0.44827586	116
37	0.216	0.784	125
38	0.72222222	0.27777778	18
41	0.27272727	0.72727273	22
43	0	1	4
44	0.875	0.125	8
45	0.38888889	0.61111111	18
47	0.29906542	0.70093458	107
49	0.2173913	0.7826087	23
50	0.60869565	0.39130435	23
51	0.22222222	0.77777778	9
52	0.33333333	0.66666667	9
53	1	0	7
54	0.38095238	0.61904762	21
55	0.66666667	0.33333333	18
57	0	1	5
59	0.875	0.125	8
60	0.22222222	0.77777778	9
61	0.71428571	0.28571429	21
62	0.25	0.75	12
63	0.71428571	0.28571429	7

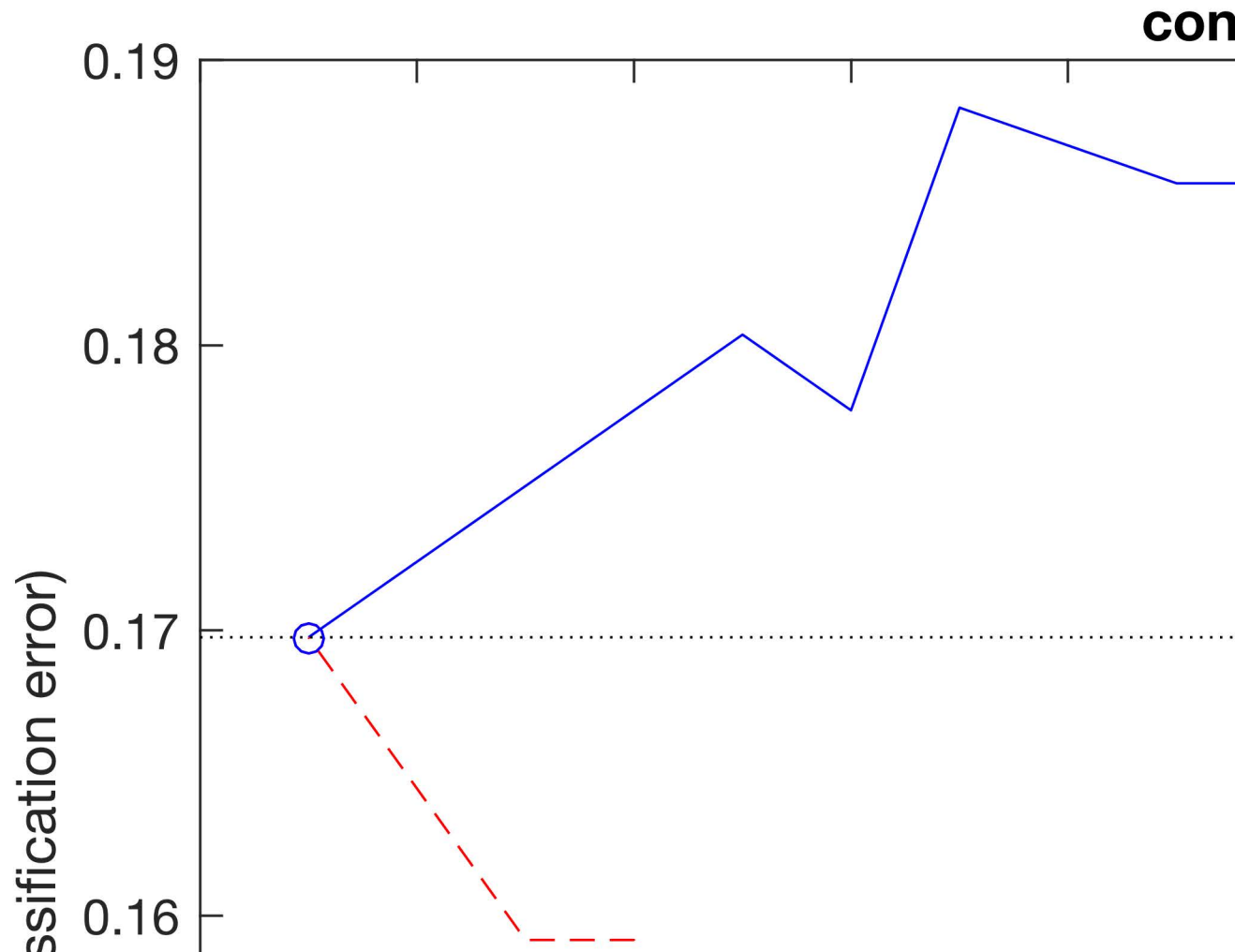
The diagram is a decision tree titled "FullSample-ZT - MIN". It represents a classification model with the following structure:

- Root Node:** `pc55__neighbors_CA=0` (Left branch) / `pc55__neighbors_CA=1` (Right branch)
- Level 1 (Left of Root):**
 - `pc51__CA_incentive=0` (Left branch) / `pc51__CA_incentive=1` (Right branch)
- Level 1 (Right of Root):**
 - `pc50b__2014_planting=0` (Left branch) / `pc50b__2014_planting=1` (Right branch)
- Level 2 (Left of Root):**
 - From `pc51__CA_incentive=0`: `pc42__crop_residues=0` (Left branch) / `pc42__crop_residues=1` (Right branch)
 - From `pc51__CA_incentive=1`: `pc56__community_position=0` (Left branch) / `pc56__community_position=1` (Right branch)
- Level 2 (Right of Root):**
 - From `pc50b__2014_planting=0`: `pc48__insect_pests=0` (Left branch) / `pc48__insect_pests=1` (Right branch)
 - From `pc50b__2014_planting=1`: `pc42__crop_residues=0` (Left branch) / `pc42__crop_residues=1` (Right branch)
- Level 3 (Left of Root):**
 - From `pc42__crop_residues=0`: `pc47__animal_pests=0` (Left branch) / `pc47__animal_pests=1` (Right branch)
 - From `pc42__crop_residues=1`: `pc56__community_position=0` (Left branch) / `pc56__community_position=1` (Right branch)
 - From `pc56__community_position=0`: `pc48__insect_pests=0` (Left branch) / `pc48__insect_pests=1` (Right branch)
 - From `pc56__community_position=1`: `pc50a__2015_planting=0` (Left branch) / `pc50a__2015_planting=1` (Right branch)
- Level 3 (Right of Root):**
 - From `pc48__insect_pests=0`: `pc36__soil_moisture=0` (Left branch) / `pc36__soil_moisture=1` (Right branch)
 - From `pc48__insect_pests=1`: `pc49__waterlogging=0` (Left branch) / `pc49__waterlogging=1` (Right branch)
 - From `pc42__crop_residues=0`: `pc51__CA_incentive=0` (Left branch) / `pc51__CA_incentive=1` (Right branch)
 - From `pc42__crop_residues=1`: `pc50a__2015_planting=0` (Left branch) / `pc50a__2015_planting=1` (Right branch)
- Level 4 (Left of Root):**
 - From `pc47__animal_pests=0`: `pc44__can_buy_herbicide=0` (Left branch) / `pc44__can_buy_herbicide=1` (Right branch)
 - From `pc47__animal_pests=1`: `pc56__community_position=0` (Left branch) / `pc56__community_position=1` (Right branch)
 - From `pc48__insect_pests=0`: `pc38__weed_growth=0` (Left branch) / `pc38__weed_growth=1` (Right branch)
 - From `pc48__insect_pests=1`: `pc44__can_buy_herbicide=0` (Left branch) / `pc44__can_buy_herbicide=1` (Right branch)
 - From `pc50a__2015_planting=0`: `pc34b__2015_rainfall in {1 3}` (Left branch) / `pc34b__2015_rainfall in {2 4}` (Right branch)
 - From `pc50a__2015_planting=1`: `pc36__soil_moisture=0` (Left branch) / `pc36__soil_moisture=1` (Right branch)
- Level 4 (Right of Root):**
 - From `pc51__CA_incentive=0`: `pc45__extension_CA=0` (Left branch) / `pc45__extension_CA=1` (Right branch)
 - From `pc51__CA_incentive=1`: `pc56__community_position=0` (Left branch) / `pc56__community_position=1` (Right branch)
 - From `pc34b__2015_rainfall in {1 3}`: `pc38__weed_growth=0` (Left branch) / `pc38__weed_growth=1` (Right branch)
 - From `pc34b__2015_rainfall in {2 4}`: `pc48__insect_pests=0` (Left branch) / `pc48__insect_pests=1` (Right branch)
 - From `pc36__soil_moisture=0`: `pc33__vandalism=0` (Left branch) / `pc33__vandalism=1` (Right branch)
 - From `pc36__soil_moisture=1`: `pc48__insect_pests=0` (Left branch) / `pc48__insect_pests=1` (Right branch)
- Level 5 (Left of Root):**
 - From `pc44__can_buy_herbicide=0`: `pc44__can_buy_herbicide=0` (Left branch) / `pc44__can_buy_herbicide=1` (Right branch)
 - From `pc44__can_buy_herbicide=1`: `pc56__community_position=0` (Left branch) / `pc56__community_position=1` (Right branch)
 - From `pc38__weed_growth=0`: `pc38__weed_growth=0` (Left branch) / `pc38__weed_growth=1` (Right branch)
 - From `pc38__weed_growth=1`: `pc48__insect_pests=0` (Left branch) / `pc48__insect_pests=1` (Right branch)
 - From `pc34b__2015_rainfall in {1 3}`: `pc38__weed_growth=0` (Left branch) / `pc38__weed_growth=1` (Right branch)
 - From `pc34b__2015_rainfall in {2 4}`: `pc48__insect_pests=0` (Left branch) / `pc48__insect_pests=1` (Right branch)
- Level 5 (Right of Root):**
 - From `pc45__extension_CA=0`: `pc45__extension_CA=0` (Left branch) / `pc45__extension_CA=1` (Right branch)
 - From `pc45__extension_CA=1`: `pc56__community_position=0` (Left branch) / `pc56__community_position=1` (Right branch)
 - From `pc33__vandalism=0`: `pc33__vandalism=0` (Left branch) / `pc33__vandalism=1` (Right branch)
 - From `pc33__vandalism=1`: `pc48__insect_pests=0` (Left branch) / `pc48__insect_pests=1` (Right branch)
 - From `pc48__insect_pests=0`: `pc48__insect_pests=0` (Left branch) / `pc48__insect_pests=1` (Right branch)
 - From `pc48__insect_pests=1`: `pc48__insect_pests=0` (Left branch) / `pc48__insect_pests=1` (Right branch)
- Level 6 (Left of Root):**
 - From `pc44__can_buy_herbicide=0`: `pc44__can_buy_herbicide=0` (Left branch) / `pc44__can_buy_herbicide=1` (Right branch)
 - From `pc44__can_buy_herbicide=1`: `pc56__community_position=0` (Left branch) / `pc56__community_position=1` (Right branch)
 - From `pc38__weed_growth=0`: `pc38__weed_growth=0` (Left branch) / `pc38__weed_growth=1` (Right branch)
 - From `pc38__weed_growth=1`: `pc48__insect_pests=0` (Left branch) / `pc48__insect_pests=1` (Right branch)
 - From `pc34b__2015_rainfall in {1 3}`: `pc38__weed_growth=0` (Left branch) / `pc38__weed_growth=1` (Right branch)
 - From `pc34b__2015_rainfall in {2 4}`: `pc48__insect_pests=0` (Left branch) / `pc48__insect_pests=1` (Right branch)
- Level 6 (Right of Root):**
 - From `pc45__extension_CA=0`: `pc45__extension_CA=0` (Left branch) / `pc45__extension_CA=1` (Right branch)
 - From `pc45__extension_CA=1`: `pc56__community_position=0` (Left branch) / `pc56__community_position=1` (Right branch)
 - From `pc33__vandalism=0`: `pc33__vandalism=0` (Left branch) / `pc33__vandalism=1` (Right branch)
 - From `pc33__vandalism=1`: `pc48__insect_pests=0` (Left branch) / `pc48__insect_pests=1` (Right branch)
 - From `pc48__insect_pests=0`: `pc48__insect_pests=0` (Left branch) / `pc48__insect_pests=1` (Right branch)
 - From `pc48__insect_pests=1`: `pc48__insect_pests=0` (Left branch) / `pc48__insect_pests=1` (Right branch)



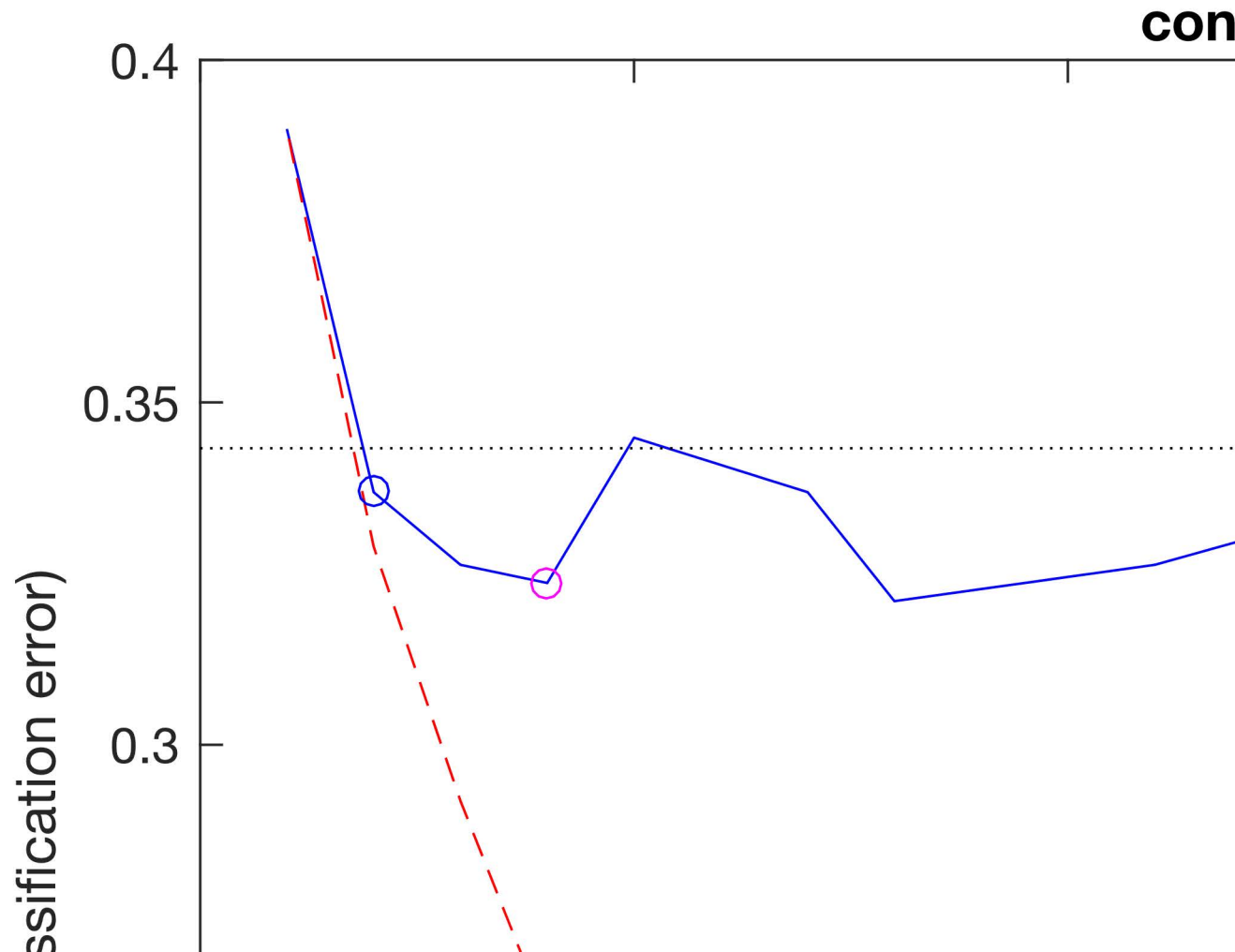
Node	ProbFalse	ProbTrue	Cases
2	0.76046176	0.23953824	693
6	0.69148936	0.30851064	94
9	0.36951501	0.63048499	433
10	0.35087719	0.64912281	57
11	0.6	0.4	60
12	0.59689922	0.40310078	129
13	0.38	0.62	50



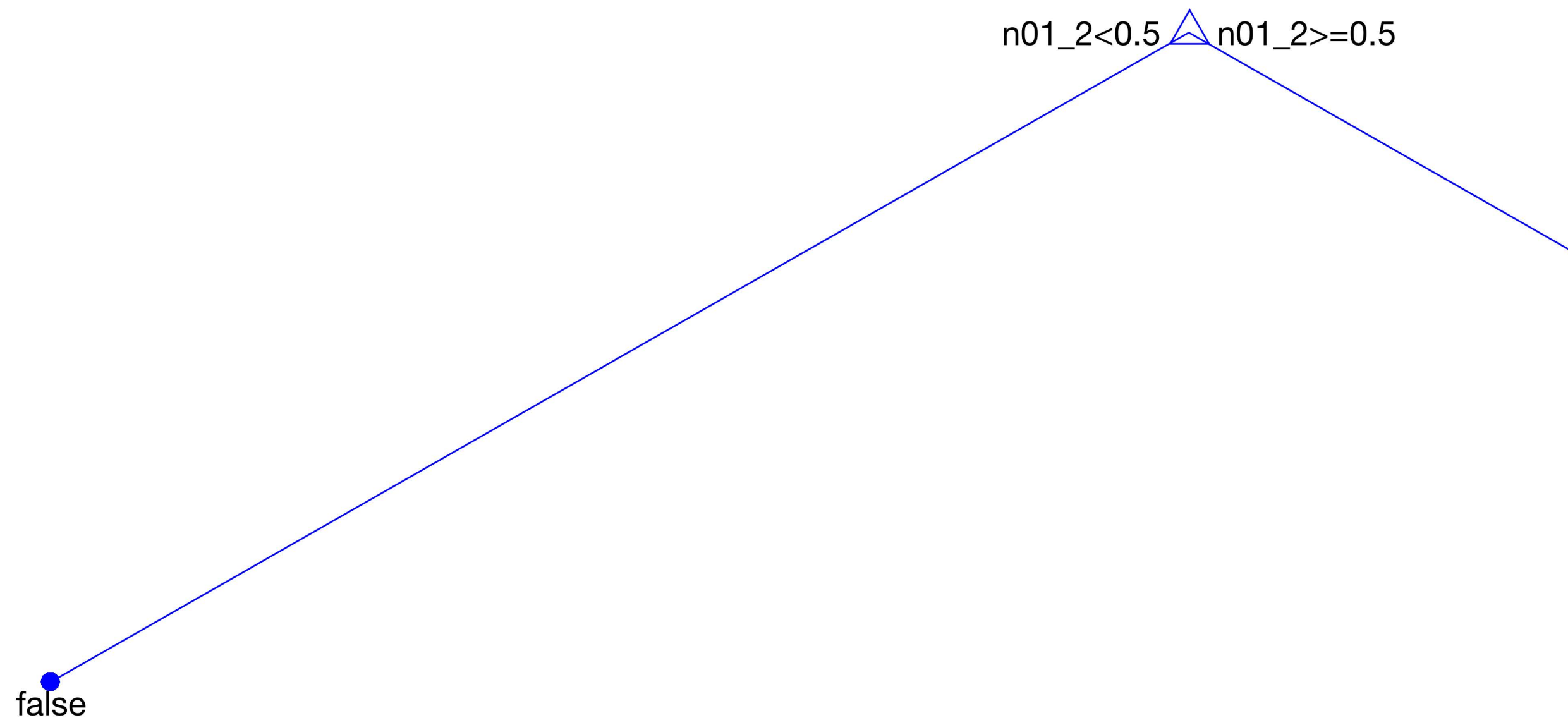


Node	ProbFalse	ProbTrue	Cases
1	0.83023873	0.16976127	377

Node	ProbFalse	ProbTrue	Cases
1	0.83023873	0.16976127	377



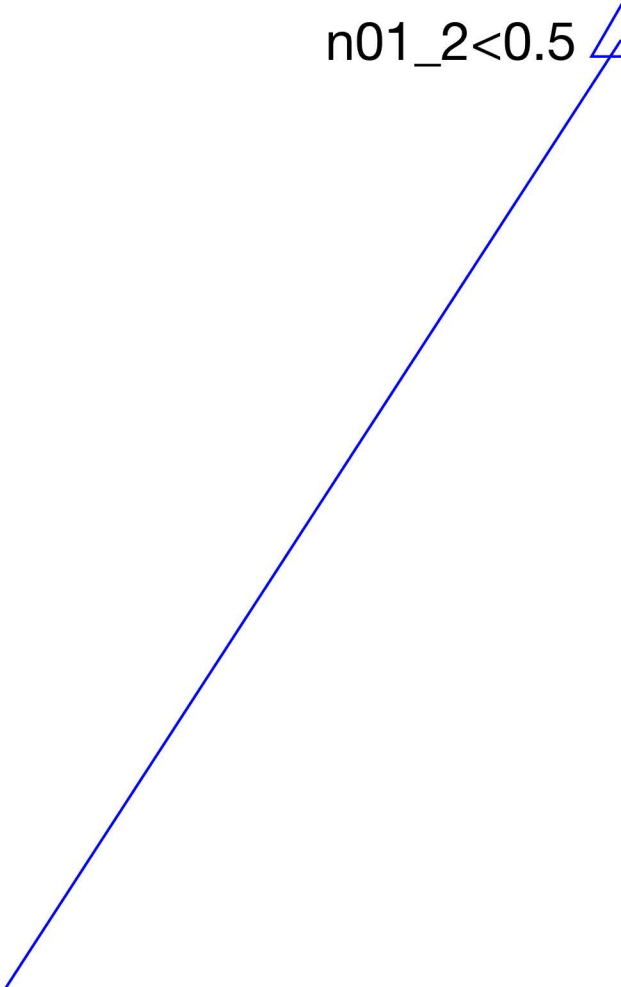
Node	ProbFalse	ProbTrue	Cases
2	0.83125	0.16875	160
5	0.24657534	0.75342466	73
6	0.72413793	0.27586207	58
7	0.43023256	0.56976744	86

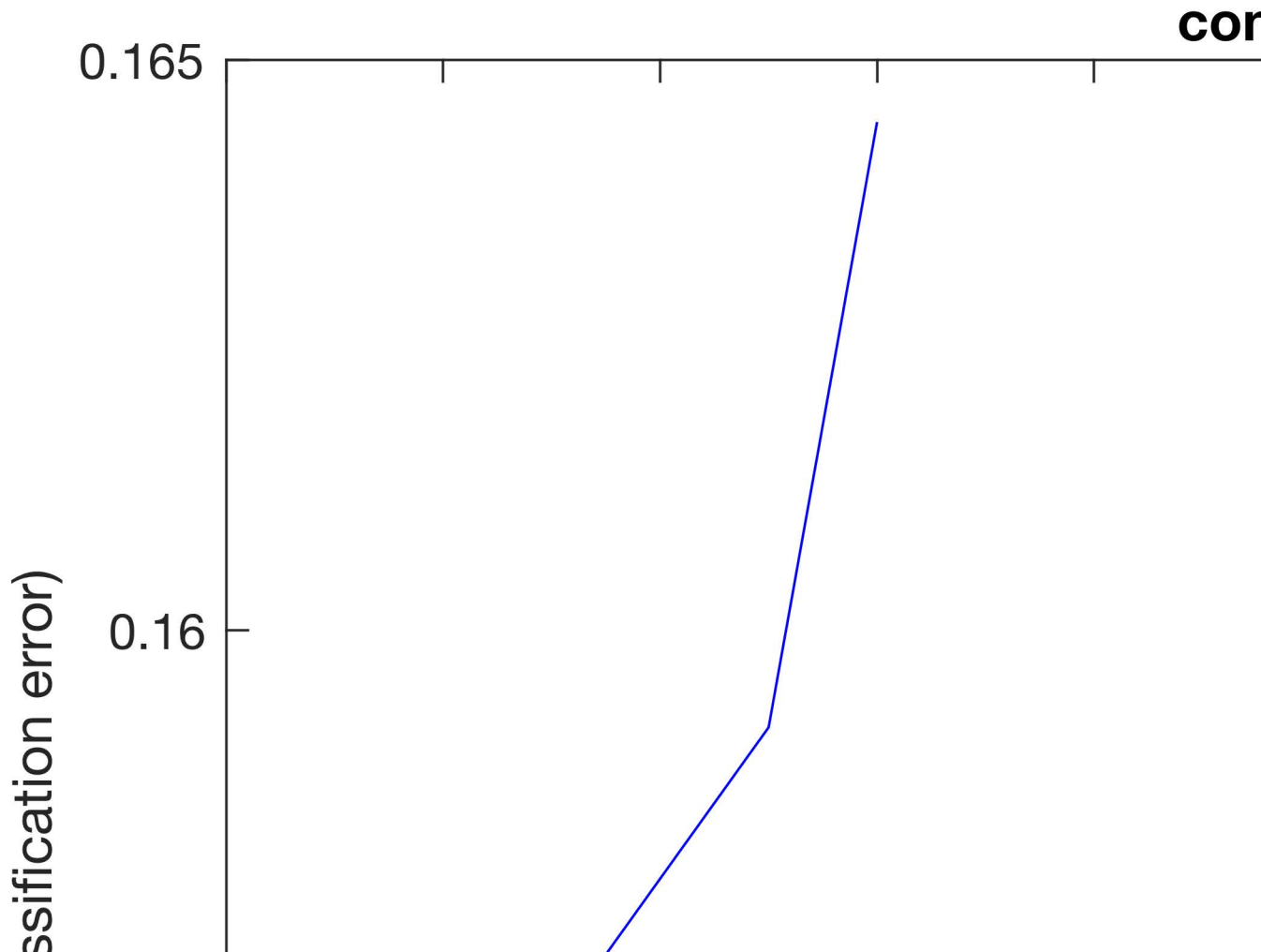


Node	ProbFalse	ProbTrue	Cases
2	0.83125	0.16875	160
3	0.44700461	0.55299539	217

control-

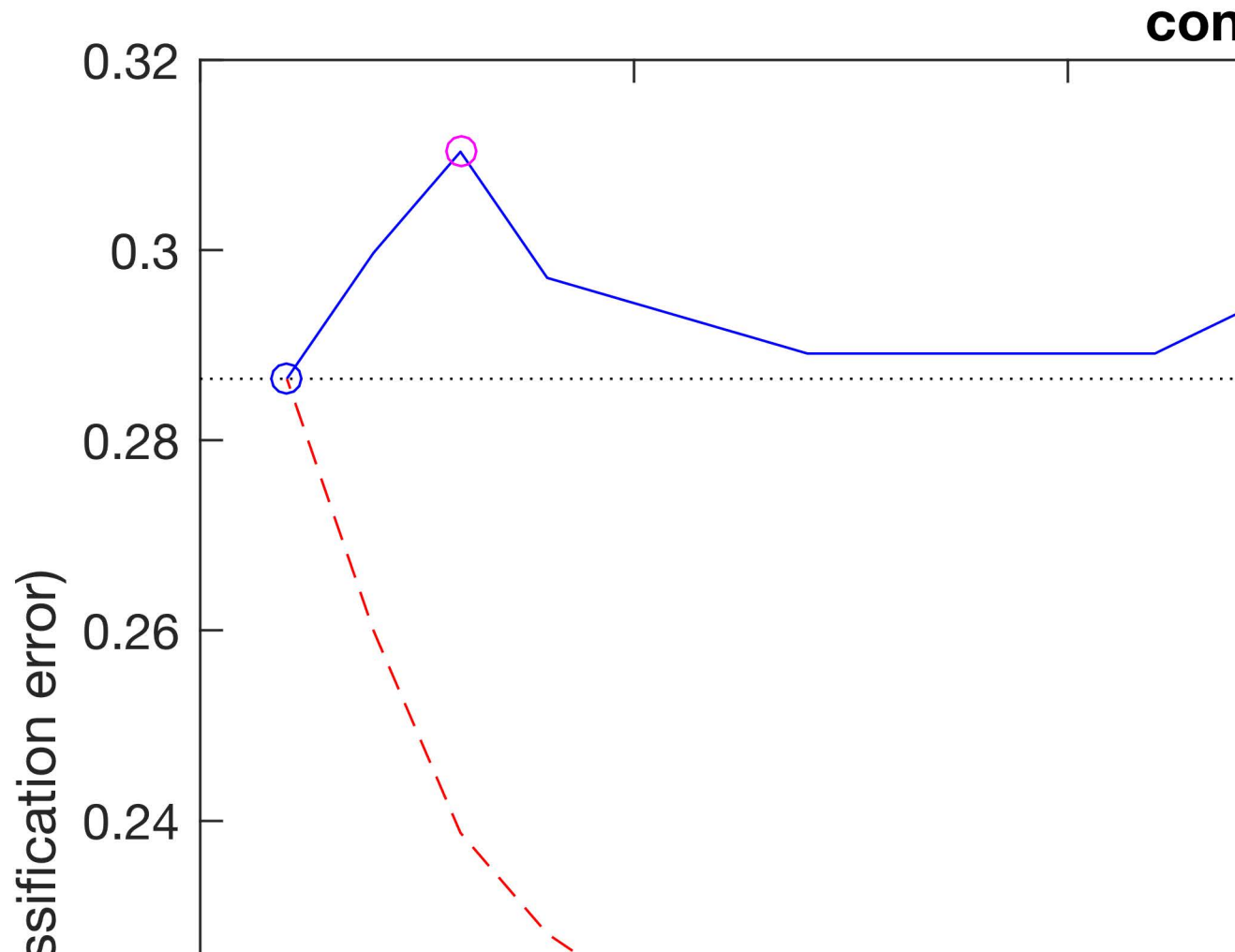
n01_2<0.5





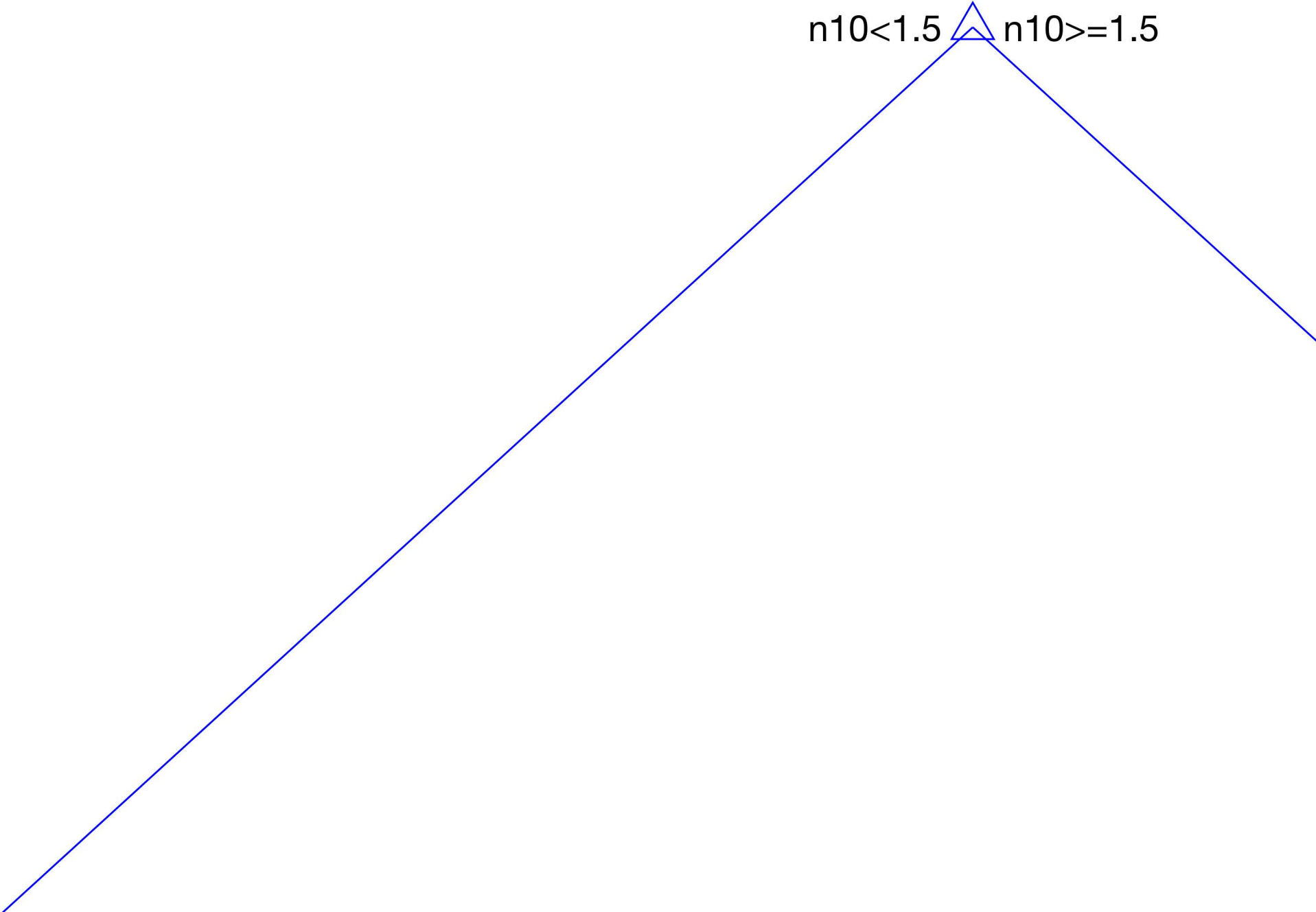
Node	ProbFalse	ProbTrue	Cases
1	0.15649867	0.84350133	377

Node	ProbFalse	ProbTrue	Cases
1	0.15649867	0.84350133	377



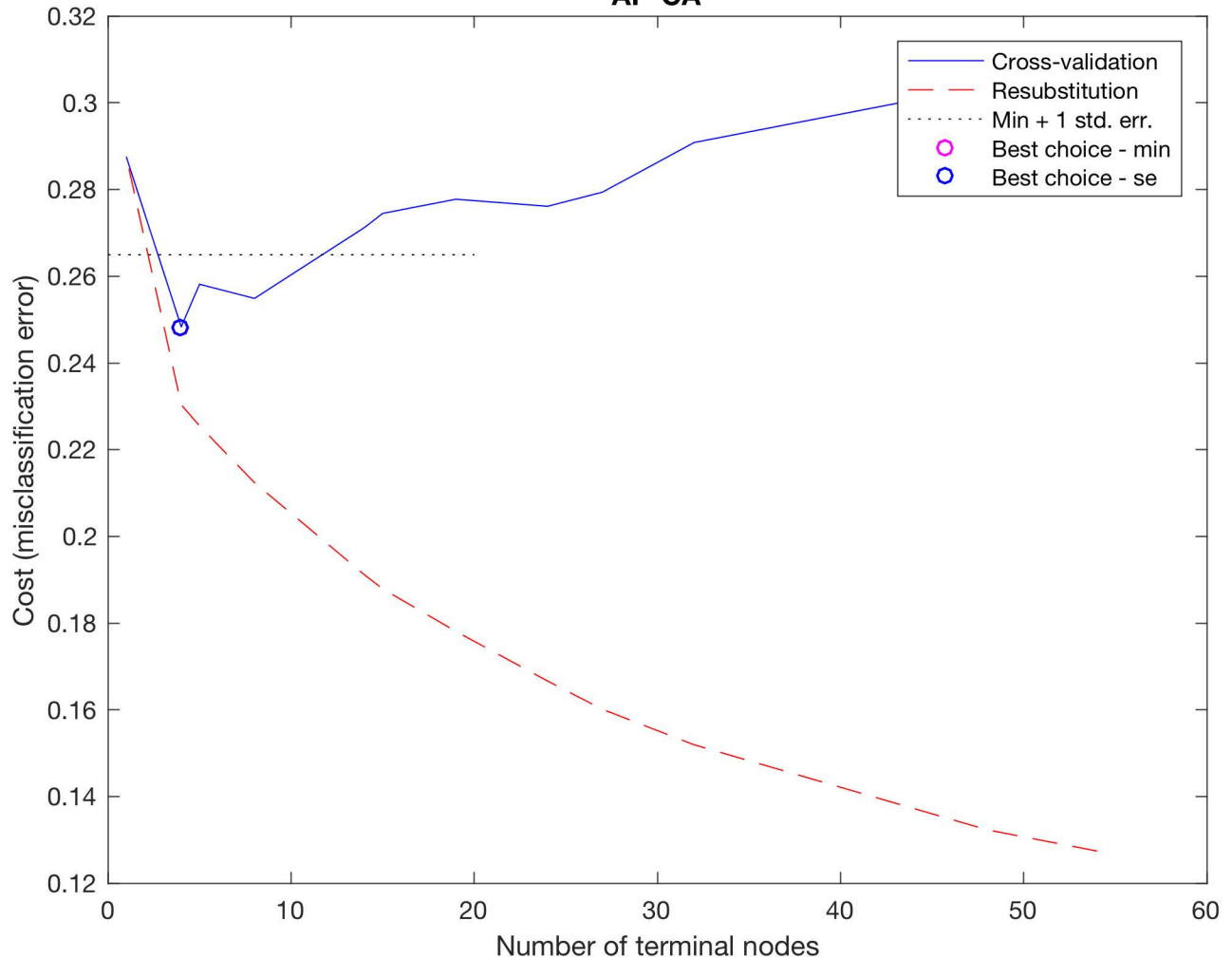
Node	ProbFalse	ProbTrue	Cases
2	0.79180887	0.20819113	293
4	0.36764706	0.63235294	68
5	0.75	0.25	16

$n_{10} < 1.5$ $n_{10} \geq 1.5$



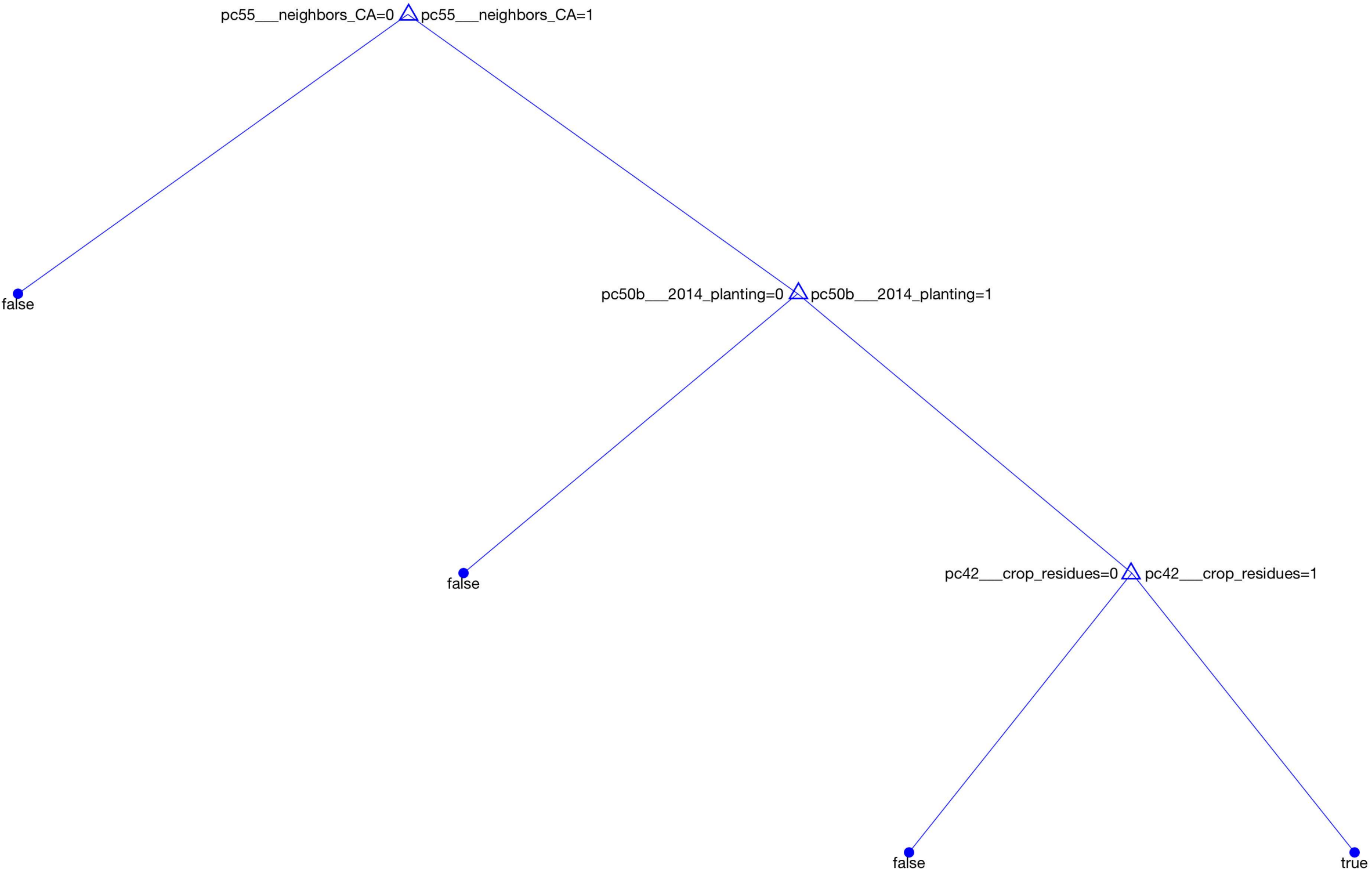
Node	ProbFalse	ProbTrue	Cases
1	0.71352785	0.28647215	377

AP-CA

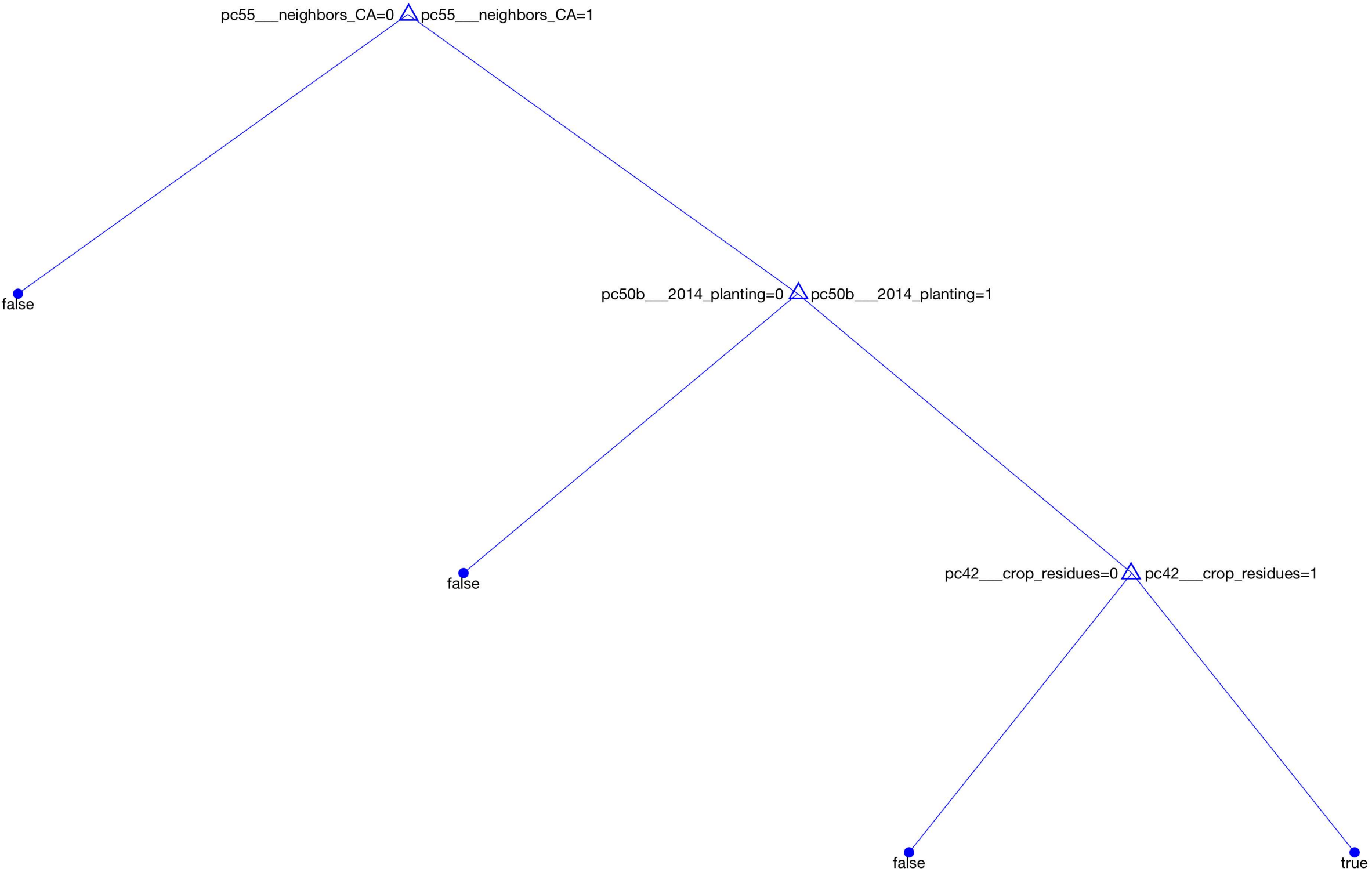


Node	ProbFalse	ProbTrue	Cases
2	0.89891697	0.10108303	277
4	0.76923077	0.23076923	78
6	0.70512821	0.29487179	78
7	0.40223464	0.59776536	179

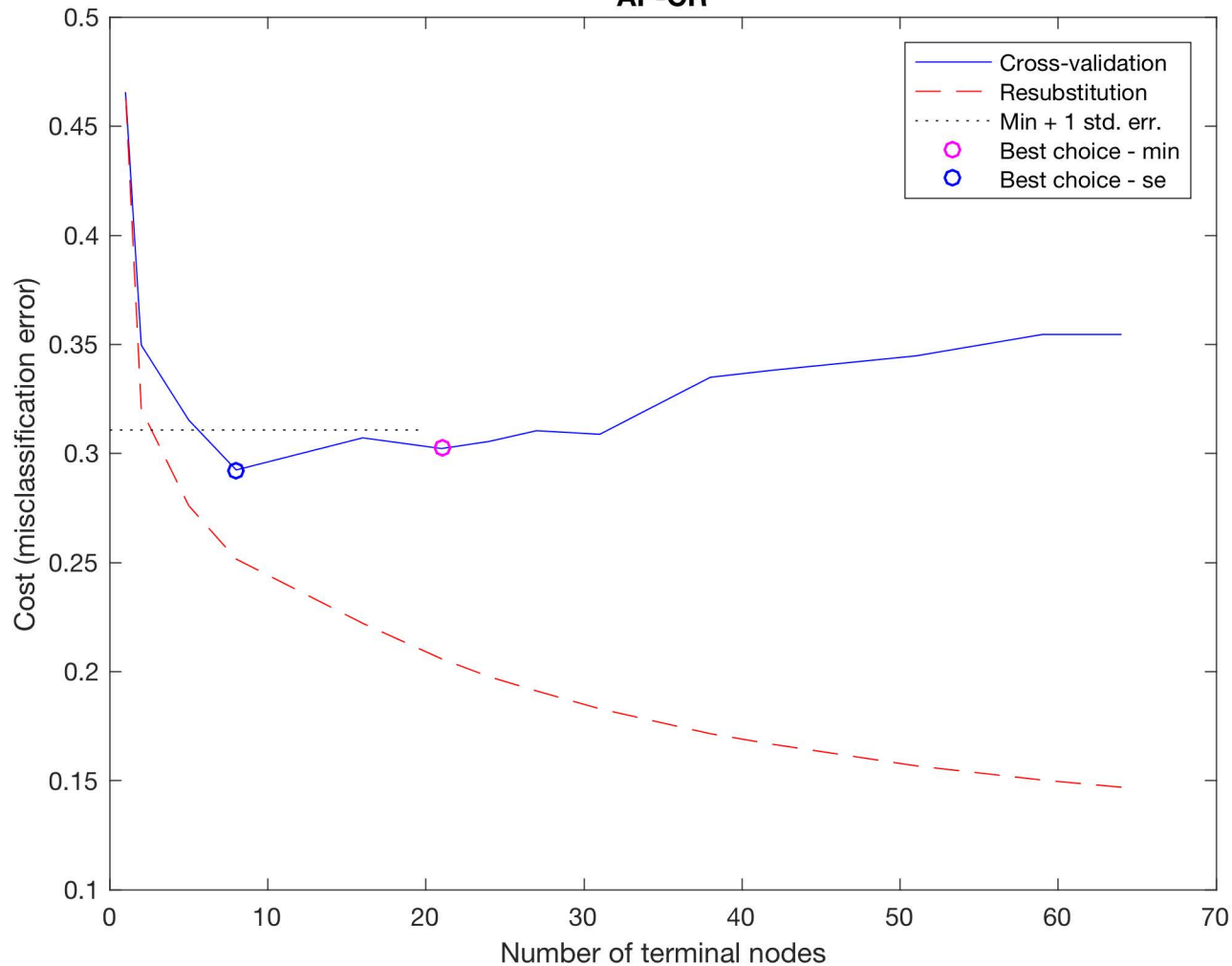
AP-CA - MIN



Node	ProbFalse	ProbTrue	Cases
2	0.89891697	0.10108303	277
4	0.76923077	0.23076923	78
6	0.70512821	0.29487179	78
7	0.40223464	0.59776536	179

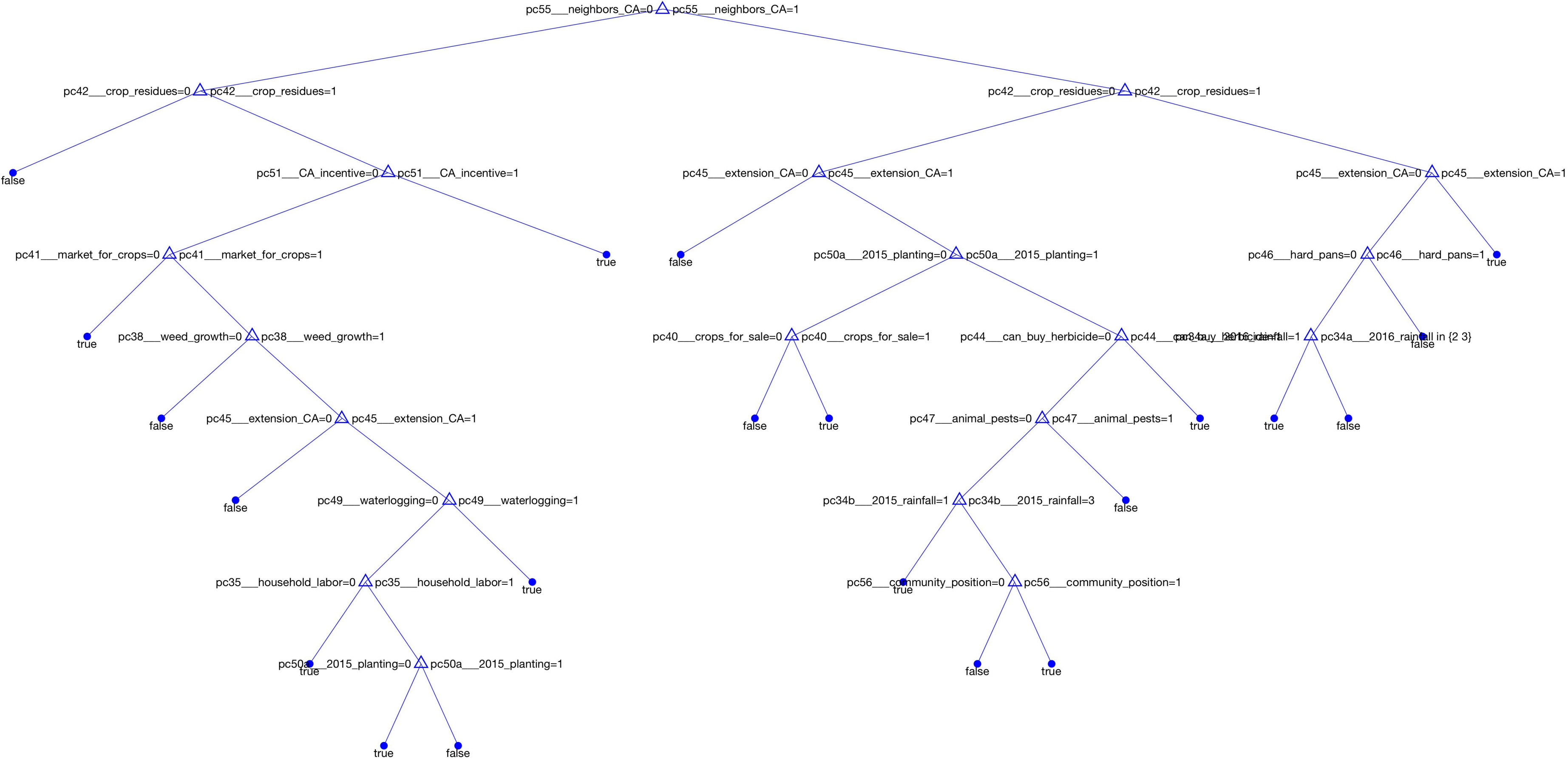


AP-CR



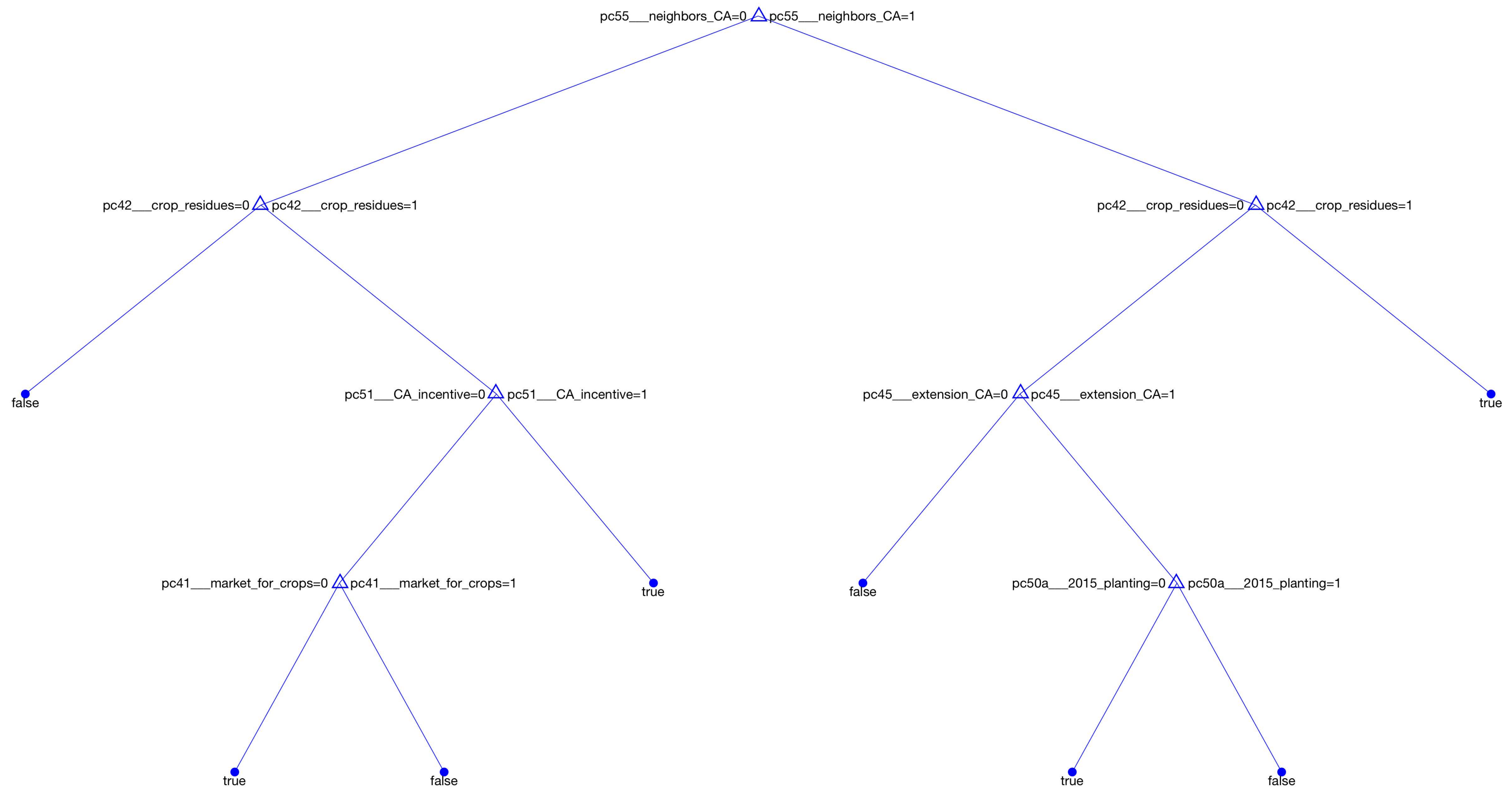
Node	ProbFalse	ProbTrue	Cases
4	0.83739837	0.16260163	123
9	0.275	0.725	40
10	0.73684211	0.26315789	19
13	0.16931217	0.83068783	189
14	0.23529412	0.76470588	17
19	0.75	0.25	8
20	0.85185185	0.14814815	27
22	1	0	2
23	0.2	0.8	30
25	0	1	2
26	0.34285714	0.65714286	35
27	1	0	2
28	0.76666667	0.23333333	30
31	0.71428571	0.28571429	21
33	0.125	0.875	8
34	0.25	0.75	8
36	0.2	0.8	5
38	0.71428571	0.28571429	14
39	0.2	0.8	5
40	0.375	0.625	8
41	0.73684211	0.26315789	19

AP-CR - MIN

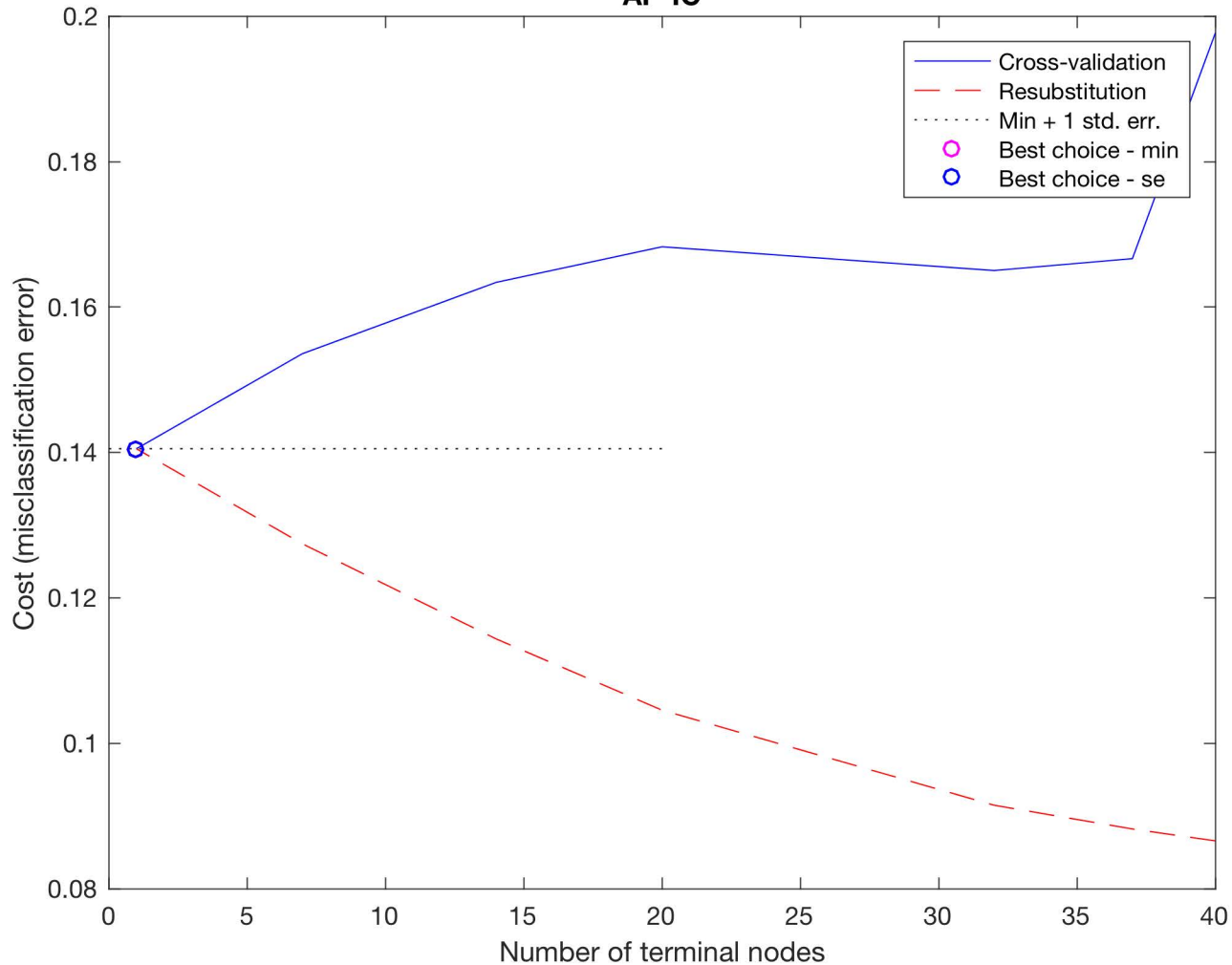


Node	ProbFalse	ProbTrue	Cases
4	0.83739837	0.16260163	123
7	0.22222222	0.77777778	234
9	0.275	0.725	40
10	0.73684211	0.26315789	19
12	0.23529412	0.76470588	17
13	0.67010309	0.32989691	97
14	0.25	0.75	32
15	0.56	0.44	50

AP-CR - SE



AP-IC



Node	ProbFalse	ProbTrue	Cases
1	0.14052288	0.85947712	612

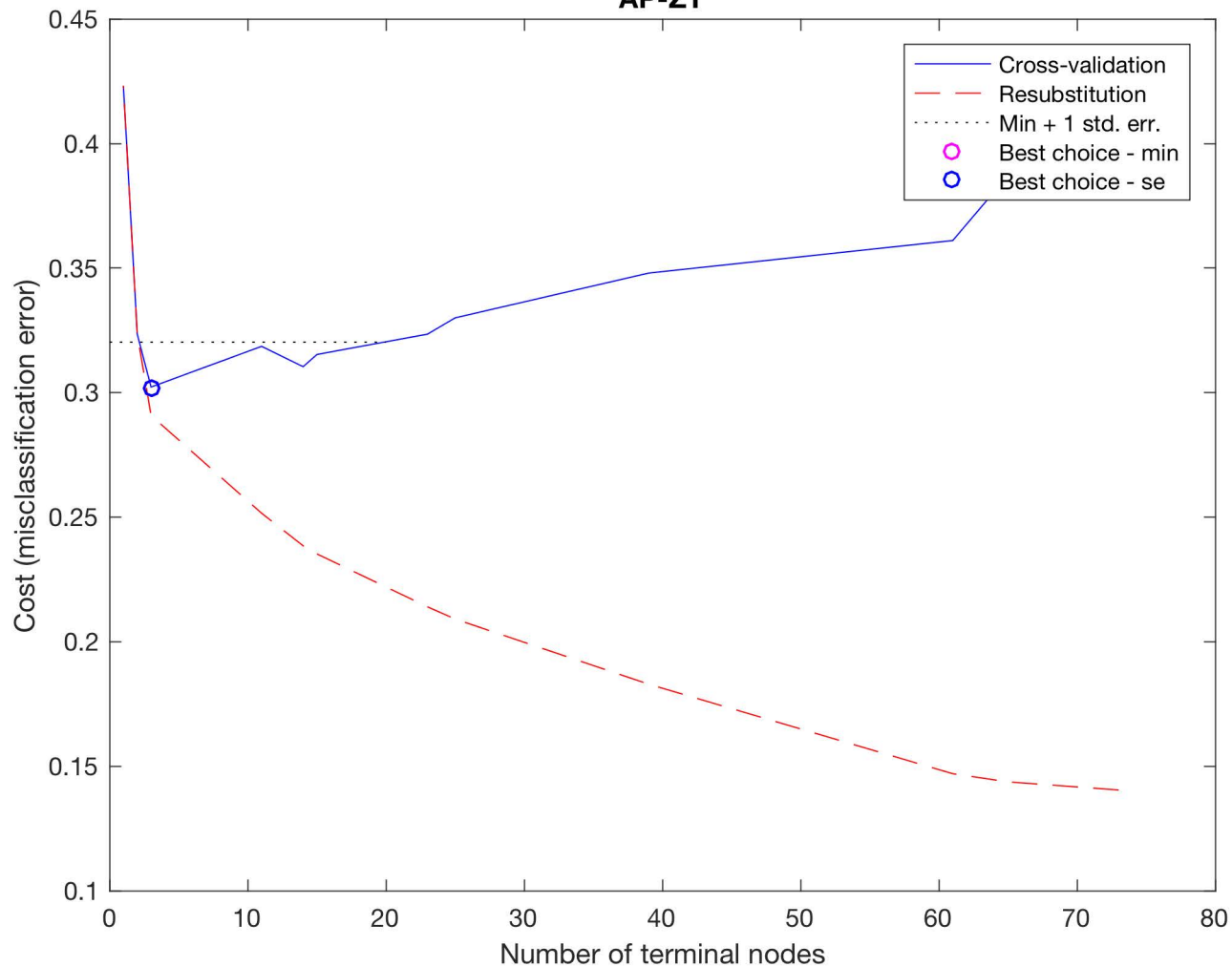


true

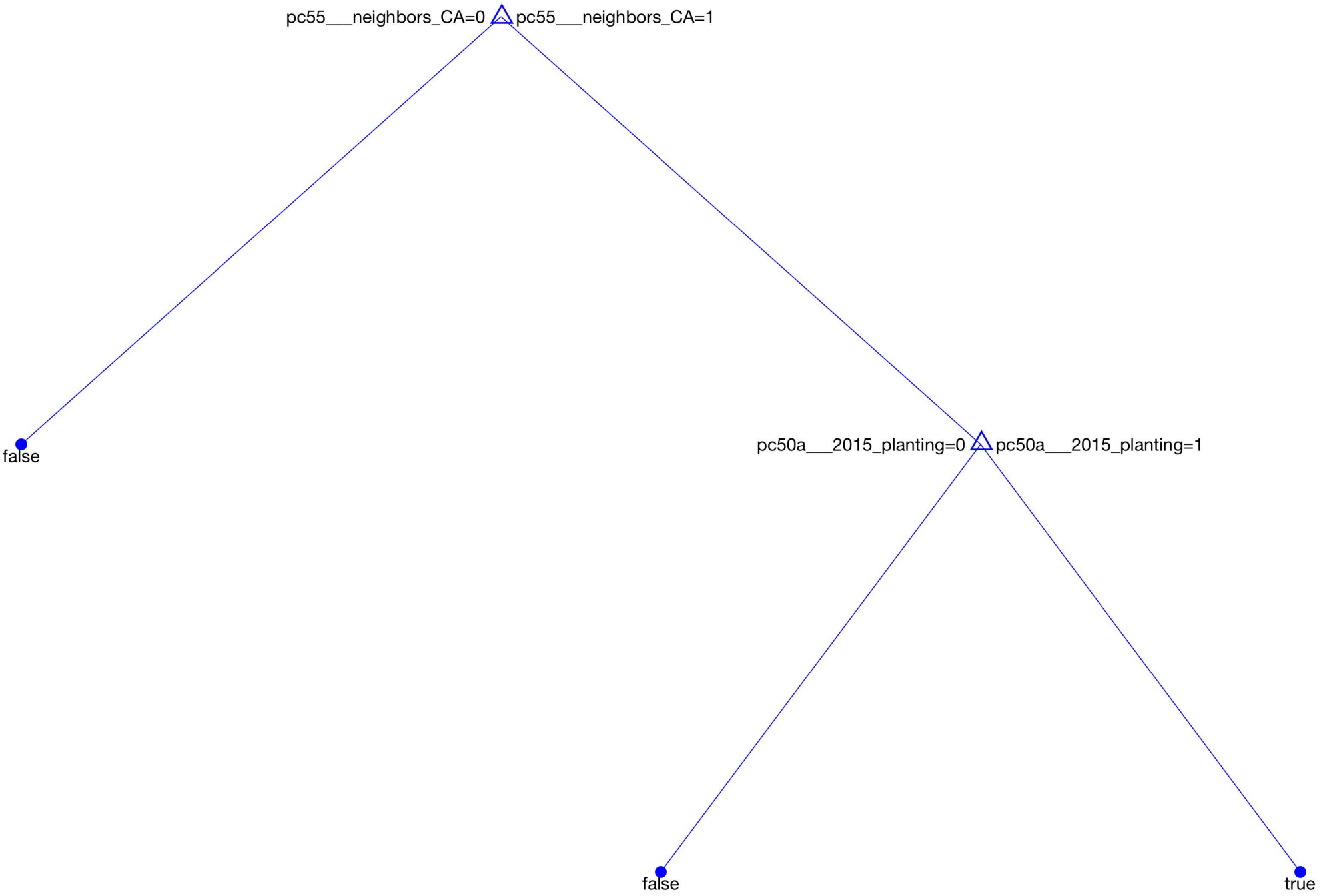
Node	ProbFalse	ProbTrue	Cases
1	0.14052288	0.85947712	612

true

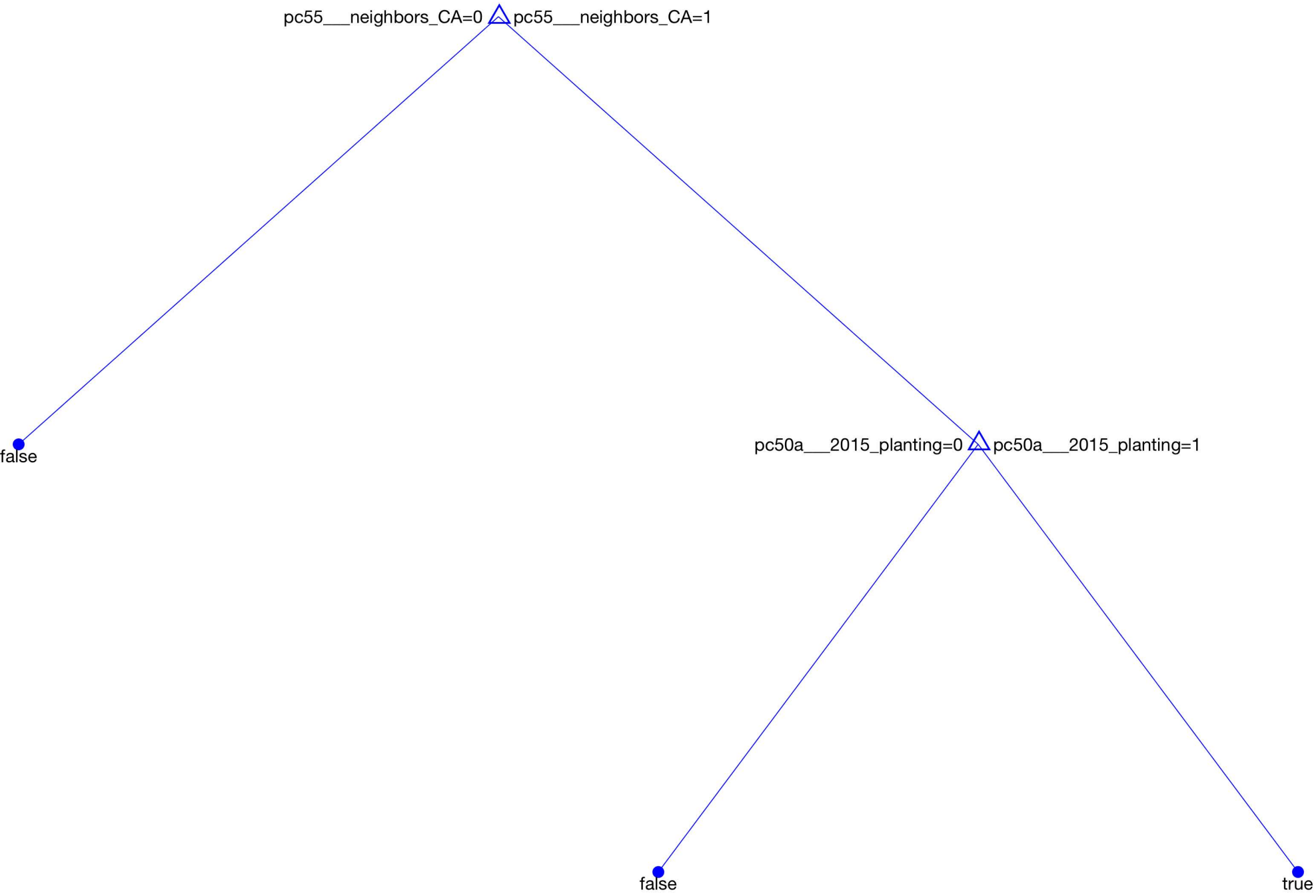
AP-ZT



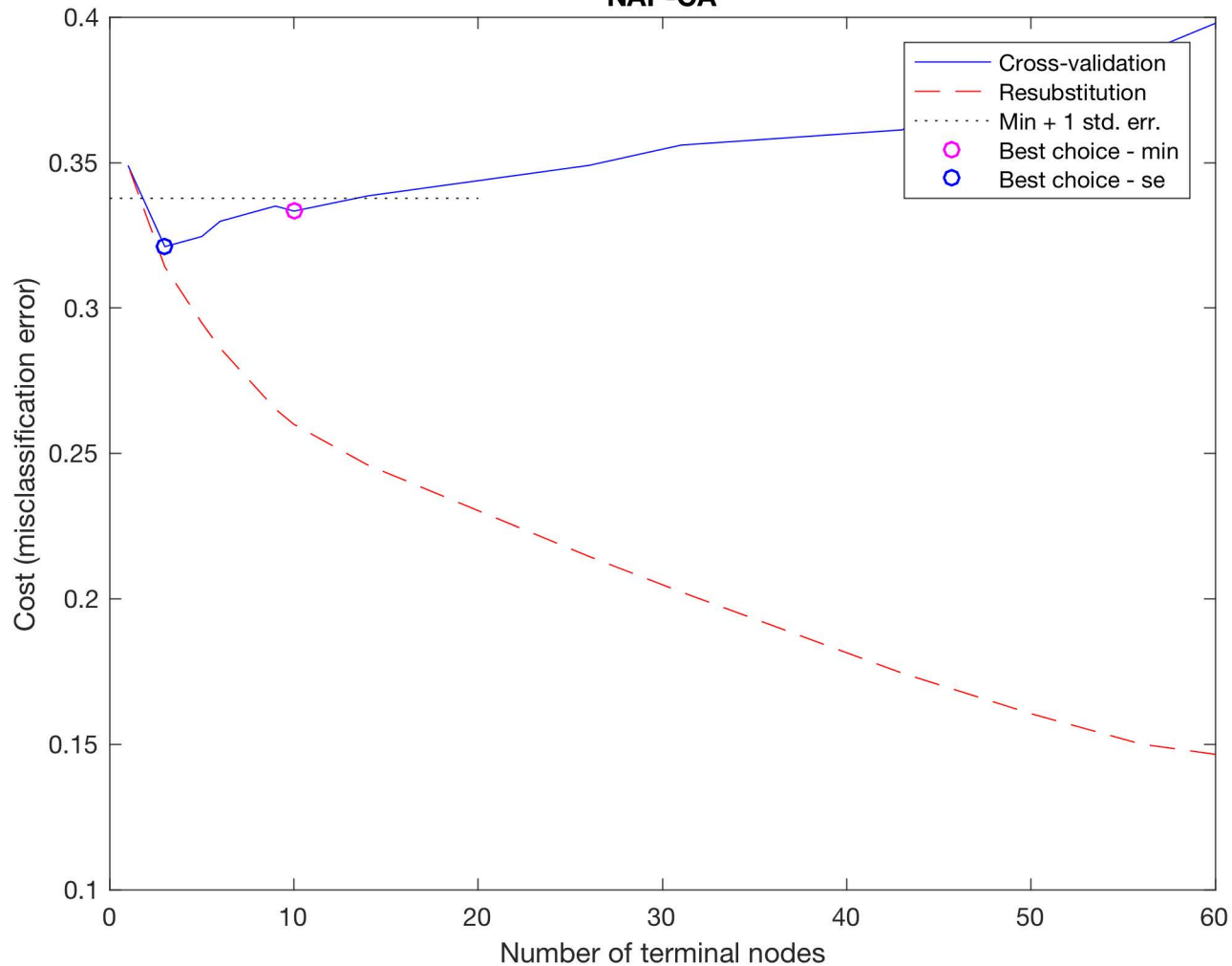
Node	ProbFalse	ProbTrue	Cases
2	0.77978339	0.22021661	277
4	0.57692308	0.42307692	130
5	0.30243902	0.69756098	205



Node	ProbFalse	ProbTrue	Cases
2	0.77978339	0.22021661	277
4	0.57692308	0.42307692	130
5	0.30243902	0.69756098	205

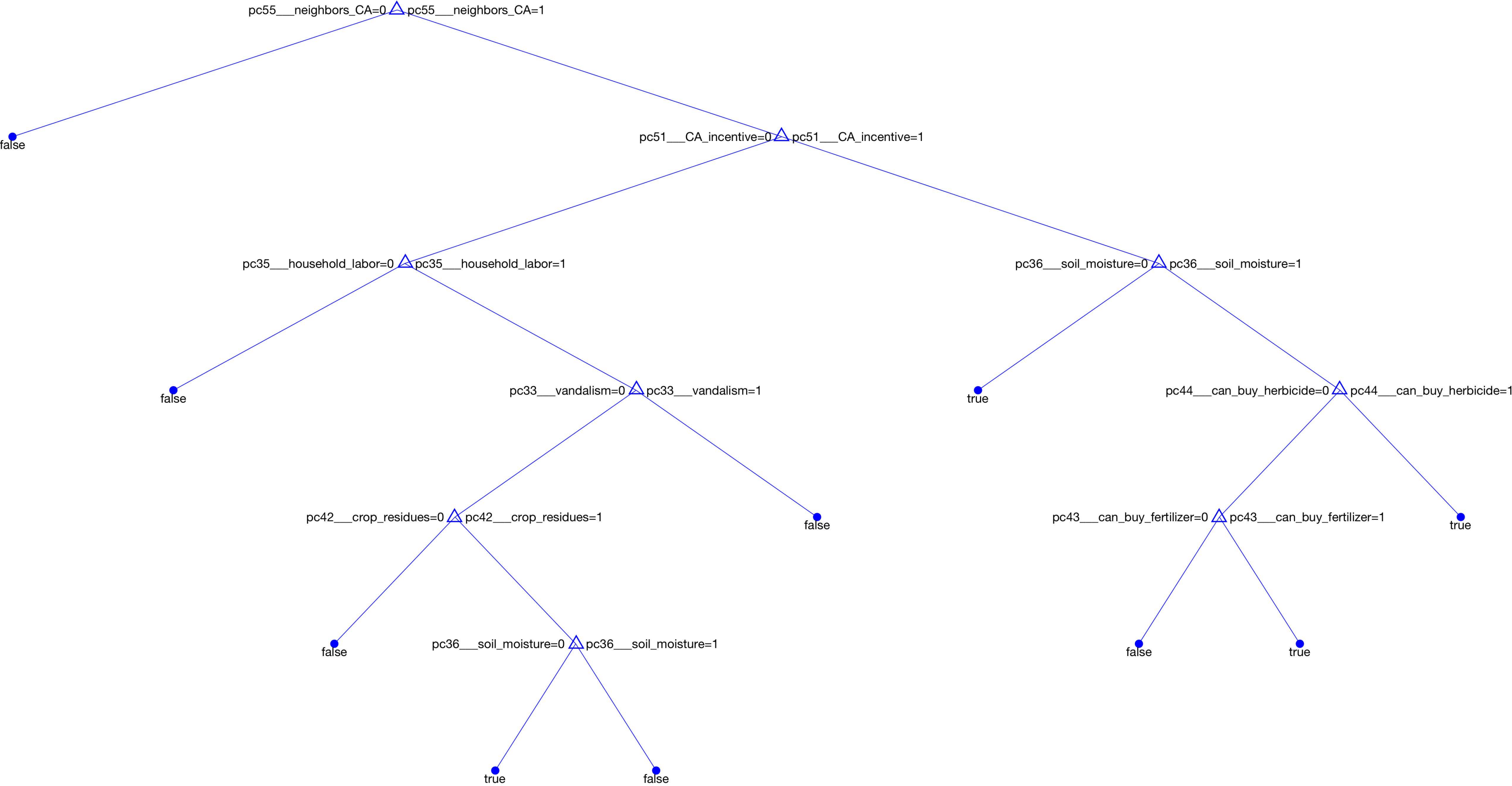


NAP-CA

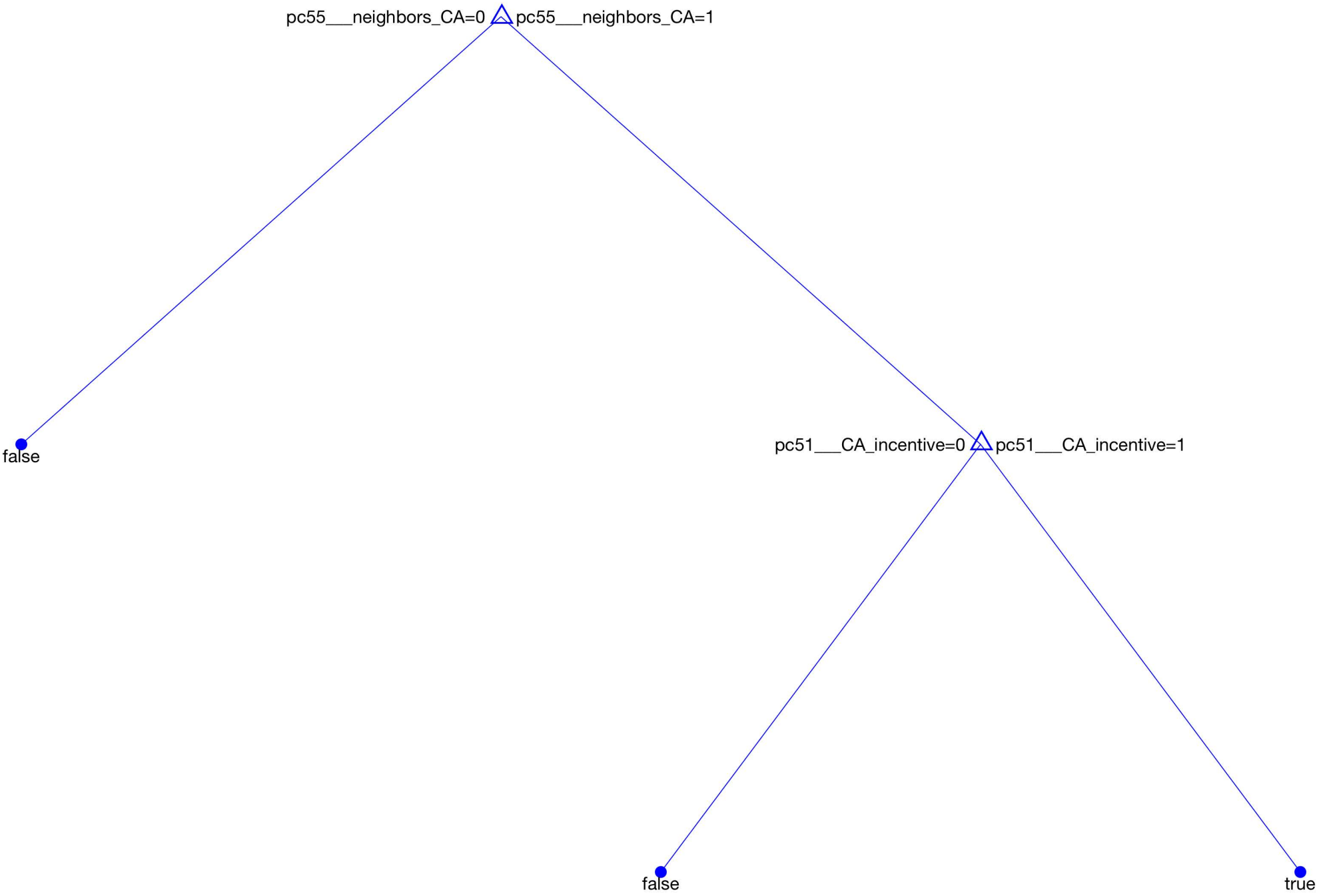


Node	ProbFalse	ProbTrue	Cases
2	0.78884462	0.21115538	251
6	0.84375	0.15625	32
8	0.31746032	0.68253968	63
11	0.67816092	0.32183908	87
13	0.25	0.75	16
14	0.73333333	0.26666667	15
16	0.7	0.3	40
17	0.30769231	0.69230769	13
18	0.24137931	0.75862069	29
19	0.55555556	0.44444444	27

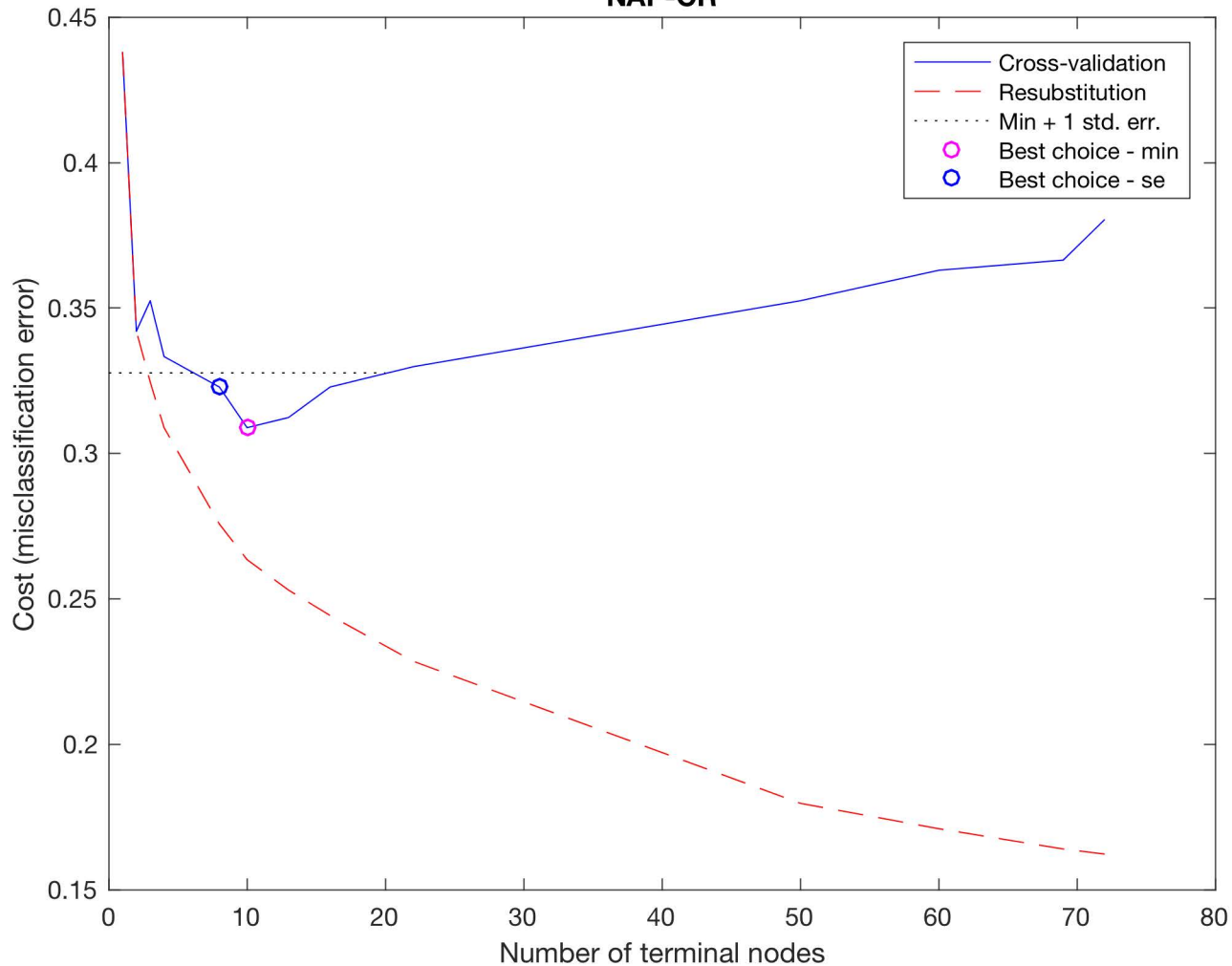
NAP-CA - MIN



Node	ProbFalse	ProbTrue	Cases
2	0.78884462	0.21115538	251
4	0.62631579	0.37368421	190
5	0.42424242	0.57575758	132

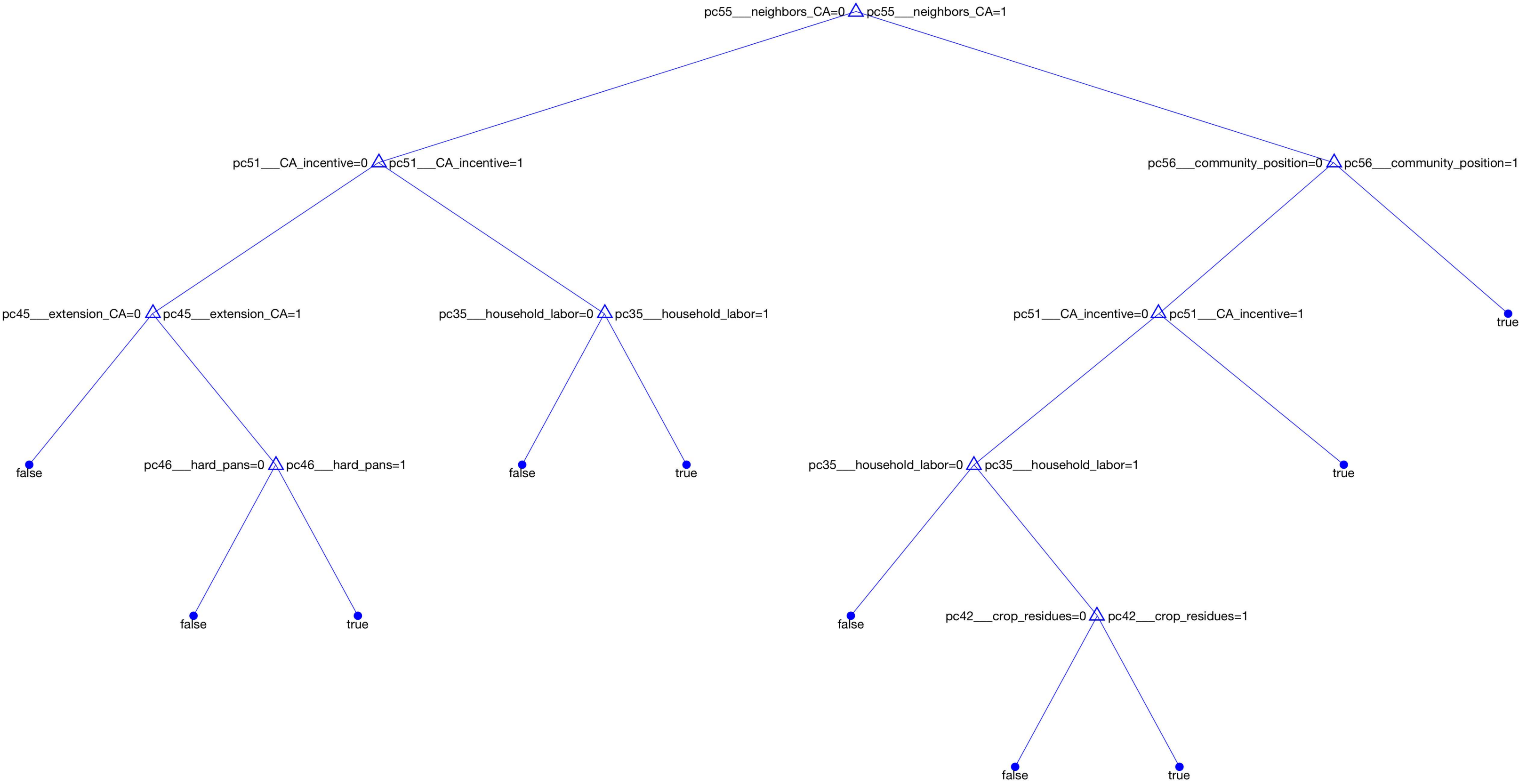


NAP-CR



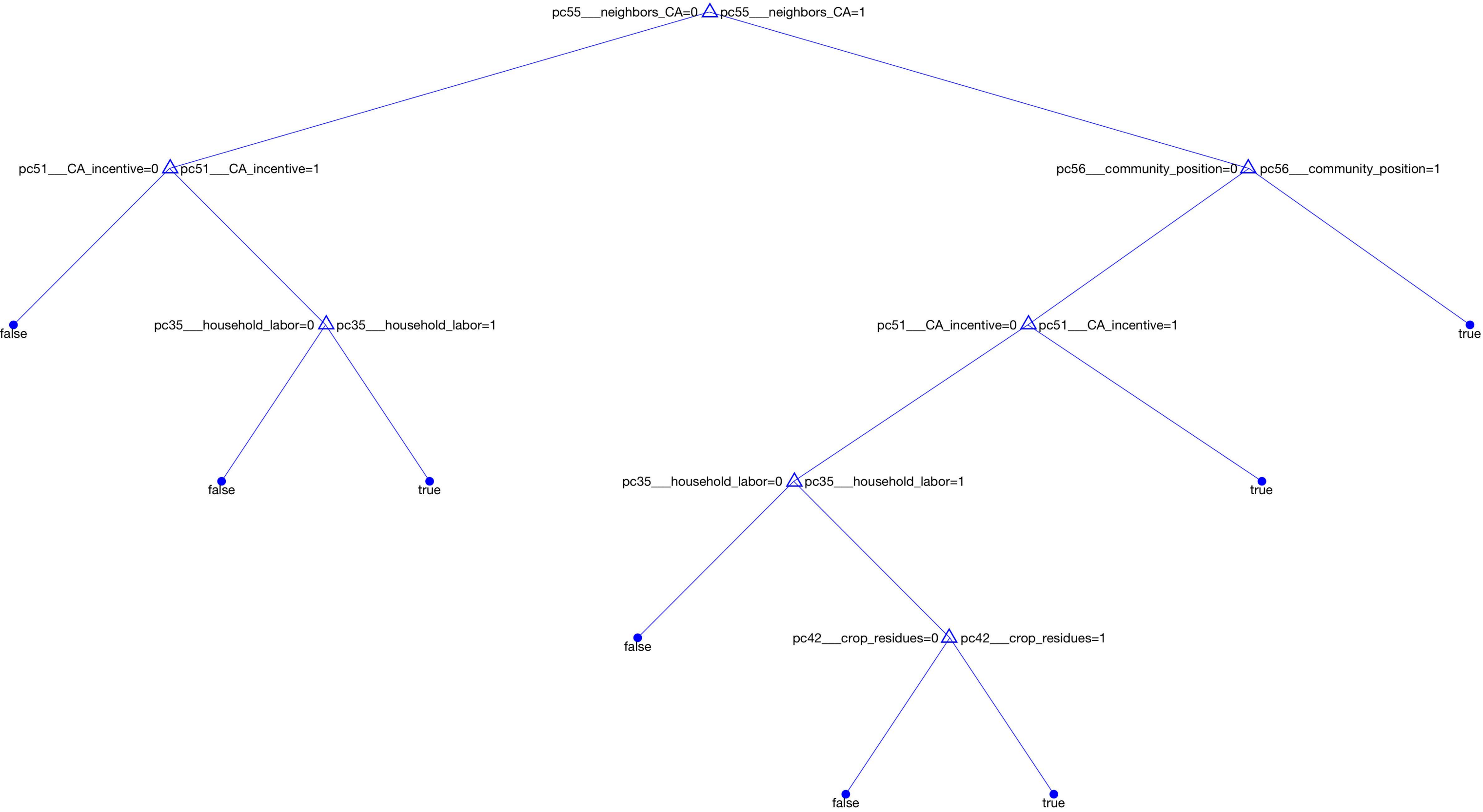
Node	ProbFalse	ProbTrue	Cases
7	0.21153846	0.78846154	156
8	0.80487805	0.19512195	82
10	0.76470588	0.23529412	17
11	0.36231884	0.63768116	69
13	0.23880597	0.76119403	67
14	0.65277778	0.34722222	72
15	0.18181818	0.81818182	11
16	0.77272727	0.22727273	22
18	0.65217391	0.34782609	23
19	0.31481481	0.68518519	54

NAP-CR - MIN

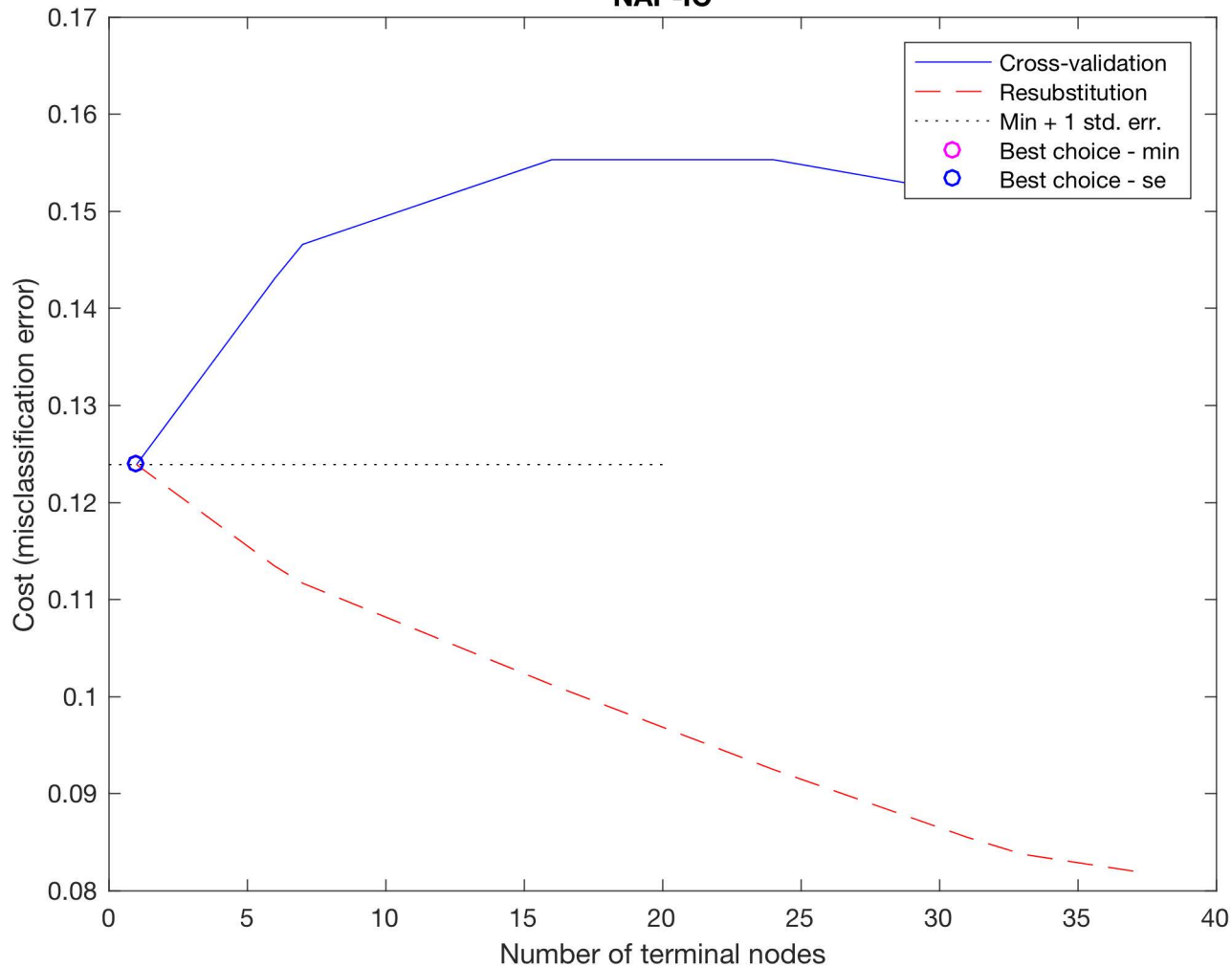


Node	ProbFalse	ProbTrue	Cases
4	0.6969697	0.3030303	165
7	0.21153846	0.78846154	156
8	0.76470588	0.23529412	17
9	0.36231884	0.63768116	69
11	0.23880597	0.76119403	67
12	0.77272727	0.22727273	22
14	0.65217391	0.34782609	23
15	0.31481481	0.68518519	54

NAP-CR - SE



NAP-IC



Node	ProbFalse	ProbTrue	Cases
1	0.12390925	0.87609075	573



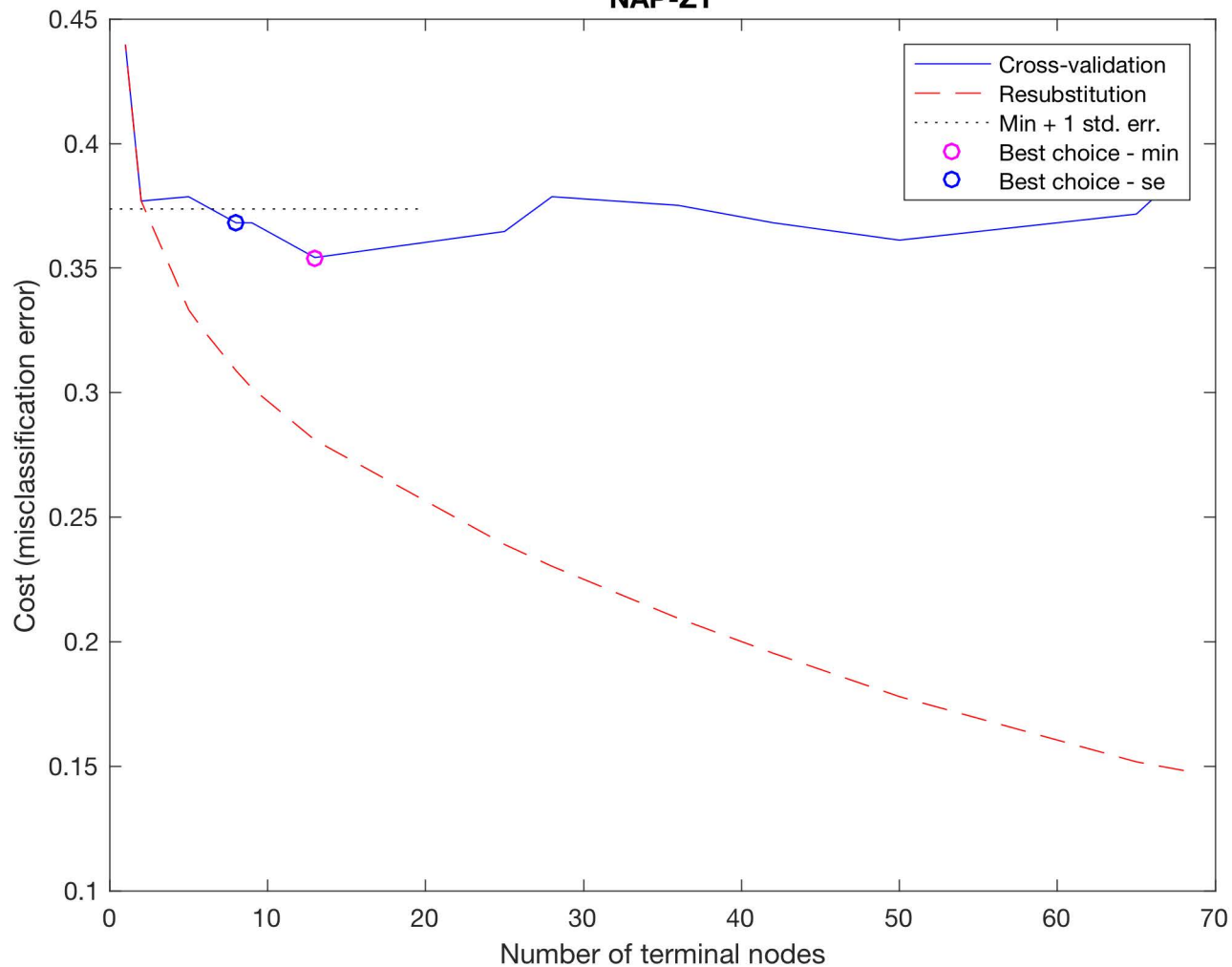
true

Node	ProbFalse	ProbTrue	Cases
1	0.12390925	0.87609075	573



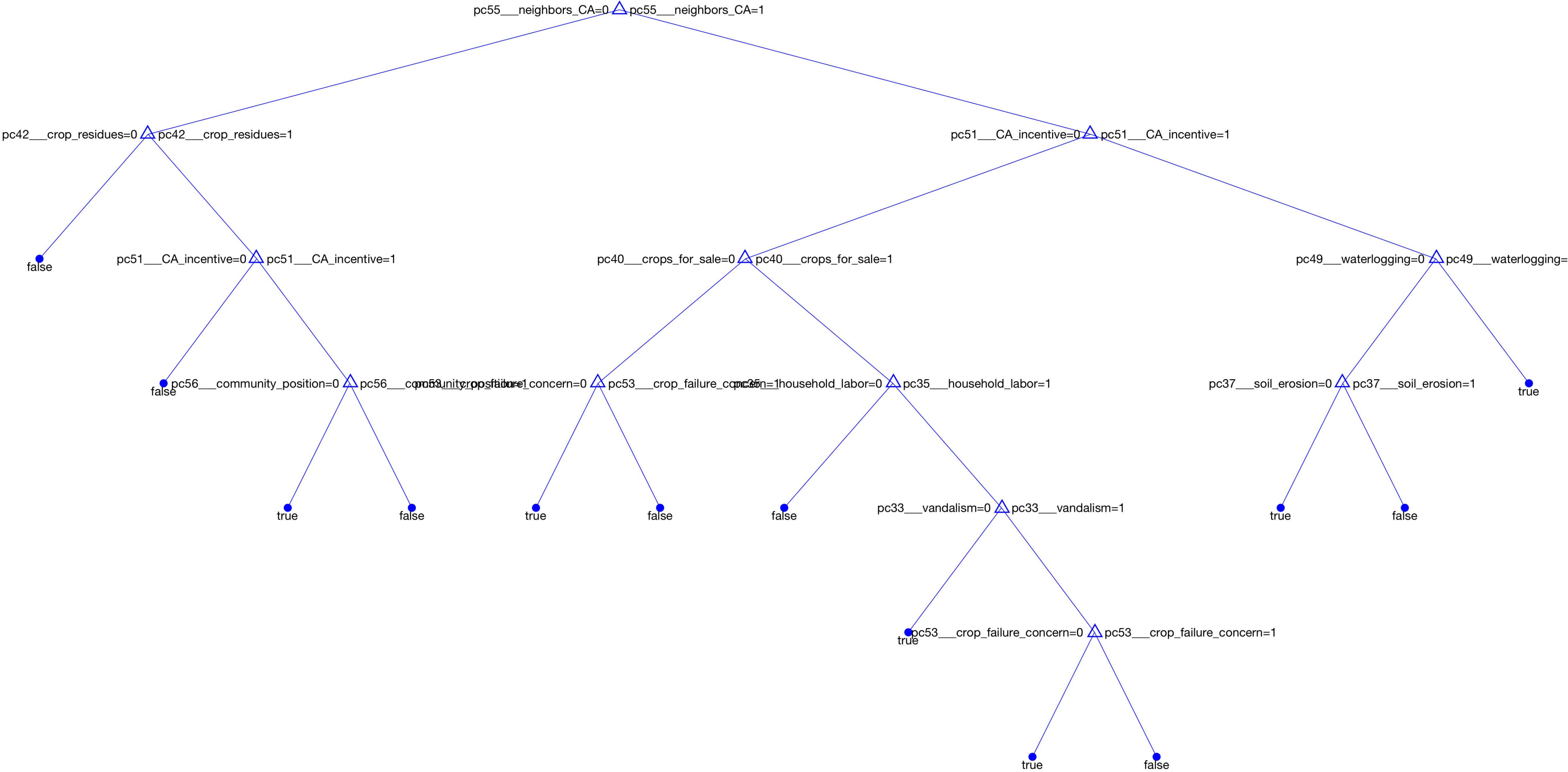
true

NAP-ZT



Node	ProbFalse	ProbTrue	Cases
4	0.80188679	0.19811321	106
8	0.74157303	0.25842697	89
13	0.125	0.875	32
14	0.38461538	0.61538462	39
15	0.70588235	0.29411765	17
16	0	1	3
17	0.94444444	0.05555556	18
18	0.71428571	0.28571429	28
20	0.27692308	0.72307692	65
21	0.62857143	0.37142857	35
22	0.328125	0.671875	64
24	0.33333333	0.66666667	12
25	0.56923077	0.43076923	65

NAP-ZT - MIN



Node	ProbFalse	ProbTrue	Cases
2	0.70916335	0.29083665	251
6	0.80952381	0.19047619	21
9	0.125	0.875	32
10	0.71428571	0.28571429	28
12	0.27692308	0.72307692	65
13	0.62857143	0.37142857	35
14	0.328125	0.671875	64
15	0.53246753	0.46753247	77

