

Learning set classification (w.r.t. SECURITY)

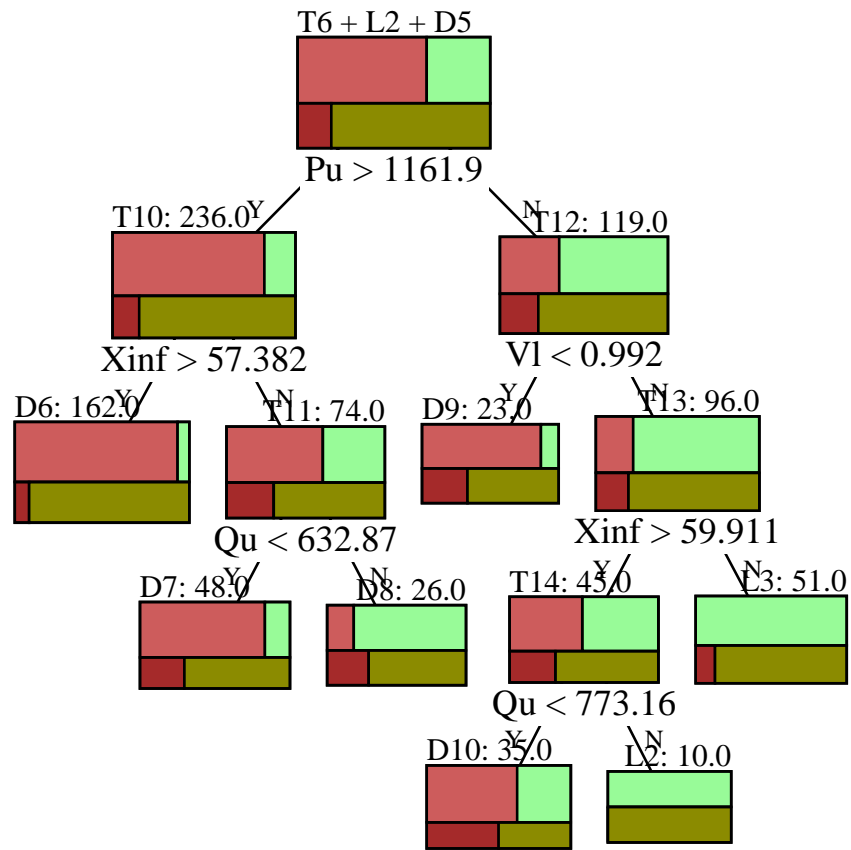
■ Insecure: 937 P(Insecure) = 0.3123
■ Secure: 2063 P(Secure) = 0.6877

Test set classification

Non detection costs : Insecure: 1.0 Secure: 1.0

Reference Security	Decision Tree Class		Total
	Insecure	Secure	
Insecure	534	68	602
Secure	77	1321	1398
Total	611	1389	2000

DT2 (T32 + L7 + D26). N = 3000 M = 2000 alfa = 0.00010 Pe = 7.25000%
 Subtrees at nodes : T9, T15, T21, T28,



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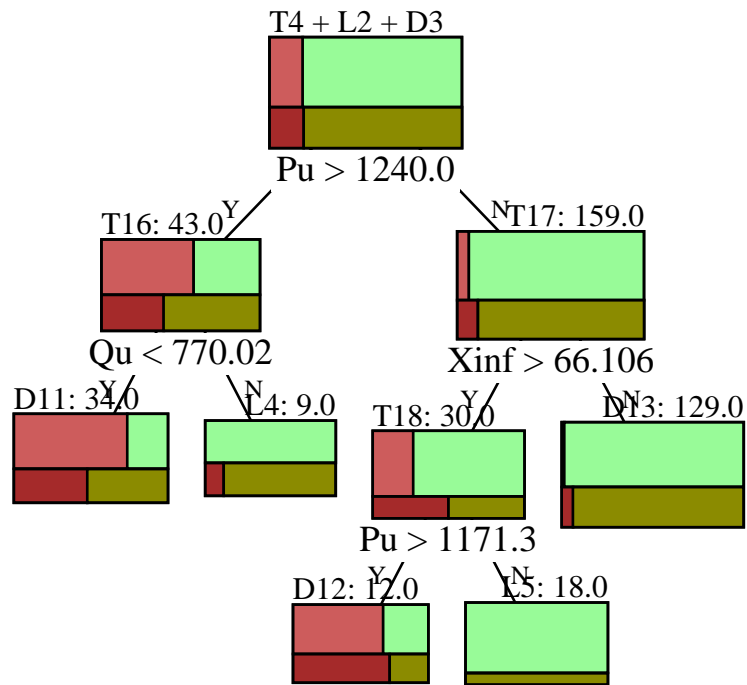
Insecure: 238

P(Insecure) = 0.3123

Secure: 117

P(Secure) = 0.6877

Subtree of DT2 at node T9 : N = 355 M = 240 Pe = 17.50000%



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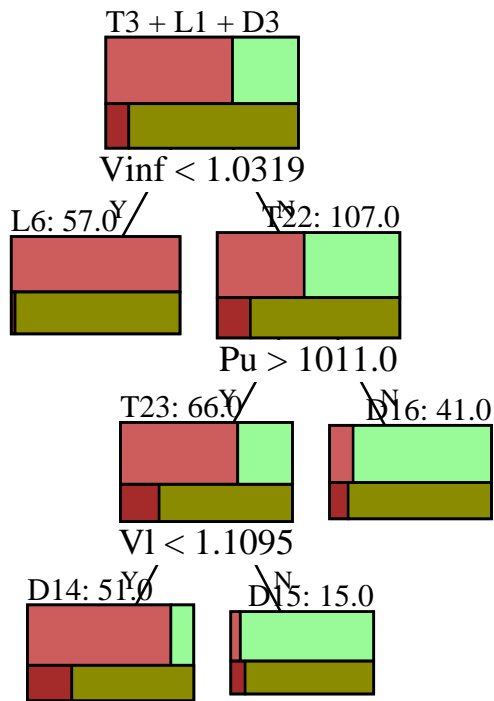
Insecure: 35

Secure: 167

$P(\text{Insecure}) = 0.3123$

$P(\text{Secure}) = 0.6877$

Subtree of DT2 at node T15 : N = 202 M = 118 Pe = 17.79661%



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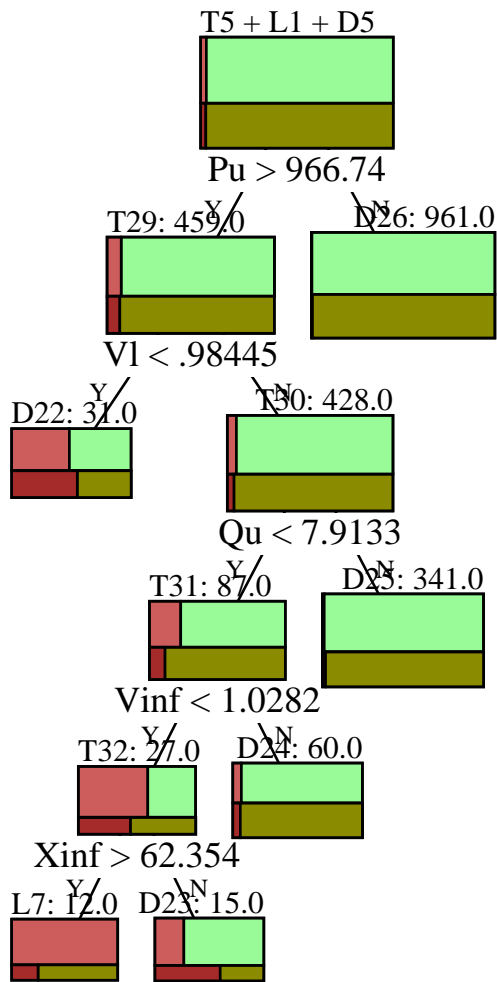
Insecure: 108

$P(\text{Insecure}) = 0.3123$

Secure: 56

$P(\text{Secure}) = 0.6877$

Subtree of DT2 at node T21 : N = 164 M = 109 Pe = 11.92660%



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■ Insecure: 42

$P(\text{Insecure}) = 0.3123$

■ Secure: 1378

$P(\text{Secure}) = 0.6877$

Subtree of DT2 at node T28 : $N = 1420$ $M = 964$ $P_e = 2.69710\%$