	FPR	FNR	Accuracy	Expected Value
Big Tree	0.4051698	0.3561356	0.6194	450,533,763
Pruned Tree	0.2771265	0.3456346	0.6886	459,122,167
Best Threshold Pruned Tree	0.9458972	0.01230123	0.5213	490,348,202

Expected values of strategy (c):

Number of Segment(*1K):

	Pos'	Neg'
Pos	490(1-β)	490β
Neg	510α	510(1-α)

Profit of each Segment:

	Pos'	Neg'
Pos	$1000	$600
Neg	$0	-$400

Expected Profit (*1K) = 490(1-β)*1000 + 490β*600 + 0.5*510(1-α)*600 – 0.5*510(1-α)*400

Big Tree:

	LEAVE	STAY
LEAVE	1979	1187
STAY	1348	2146

Accuracy: 0.6194

FPR(α) = 1348 / (1979 + 1348) = 0.4051698

FNR(β) = 1187 / (1187 + 2146) = 0.3561356

Expected Profit = 541000*1000 – 510000*100 α – 490000*400 β = 450,533,763

Pruned Tree:

	LEAVE	STAY
LEAVE	2405	1152
STAY	922	2181

Accuracy: 0.6886

FPR(α) = 922 / (2405 + 922) = 0.2771265

FNR(β) = 1152 / (1152 + 2181) = 0.3456346

Expected Profit = 541000*1000 – 510000*100 α – 490000*400 β = 459,122,167

Best Threshold Pruned Tree:

	LEAVE	STAY
LEAVE	180	41
STAY	3147	3292

Accuracy: 0.5213

FPR(α) = 3147 / (3147 + 180) = 0.9458972

FNR(β) = 41 / (41 + 3292) = 0.01230123

Expected Profit = 541000*1000 – 510000*100 α – 490000*400 β = 490,348,202