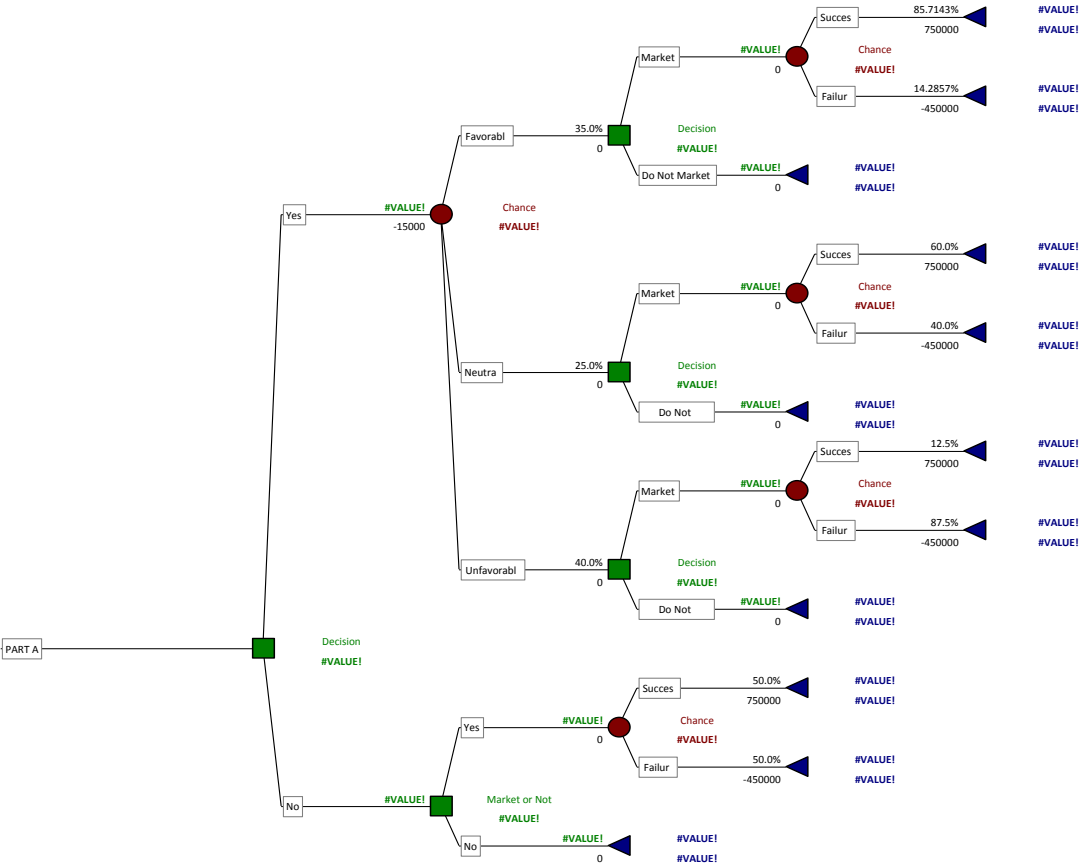


Deciding whether to market a new product

		Net gain/loss		
Prior probability of product success	0.50		750000	
Prior probability of product failure	0.50		-450000	
Probabilities indicating accuracy of survey				
Actual\survey	Favorable	Neutral	Unfavorable	
Success	0.60	0.30	0.10	
Failure	0.10	0.20	0.70	

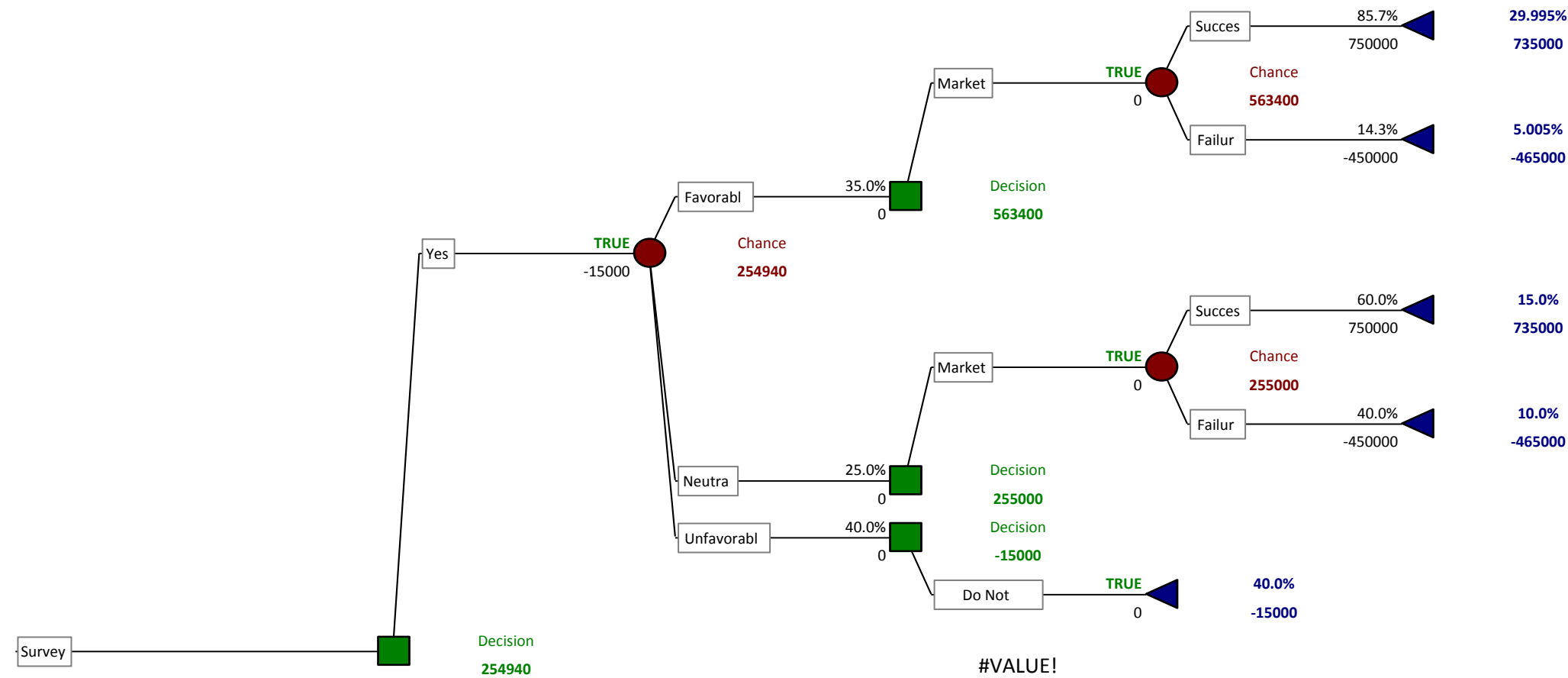
		Posterior probabilities of survey results		
		Favorable	Neutral	Unfavorable
		0.35	0.25	0.40
Posterior probabilities				
Actual\survey	Favorable	Neutral	Unfavorable	
Success	0.857	0.600	0.125	
Failure	0.143	0.400	0.875	

P(Survey) 0.5
Cost Survey -15000



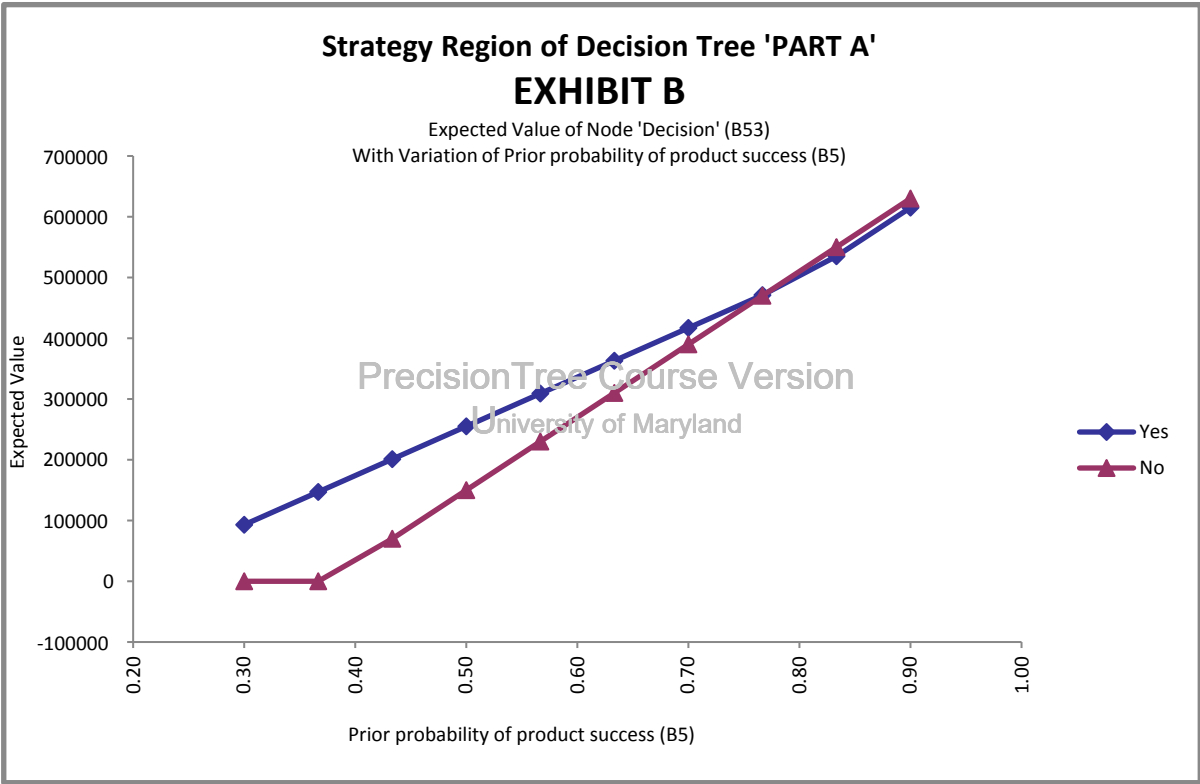
PrecisionTree Policy Suggestion - Optimal Decision Tree

Performed By: Rahil
Date: Thursday, December 9, 2021 6:25:20 PM
Model: Decision Tree 'Survey' in [Q2 data.xlsx]Exhibit A



PrecisionTree Sensitivity Analysis - Strategy Region

Performed By: Rahil
Date: Friday, December 10, 2021 5:11:21 PM
Output: Decision Tree 'PART A' (Expected Value of Entire Model)
Input: Prior probability of product success (B5)



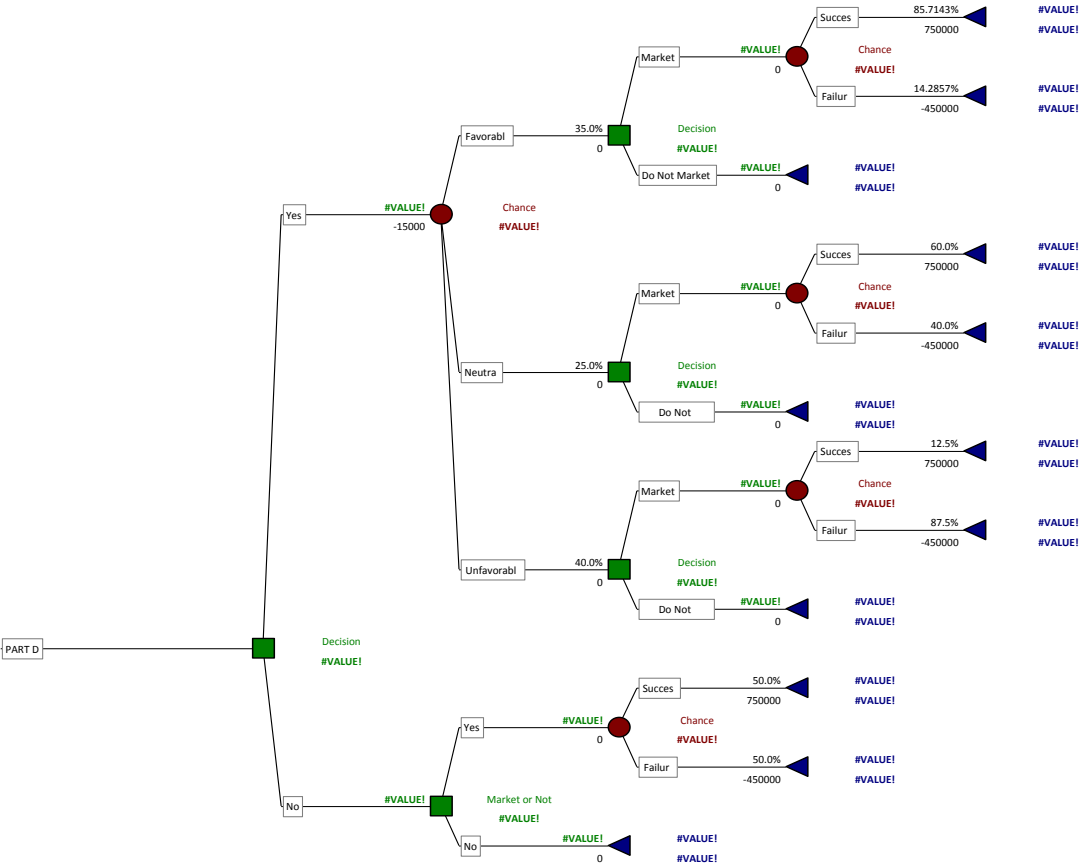
Strategy Region Data						
	Input		Yes		No	
	Value	Change (%)	Value	Change (%)	Value	Change (%)
#1	0.30	-40.00%	93000	-63.53%	0	-100.00%
#2	0.37	-26.67%	147000	-42.35%	0	-100.00%
#3	0.43	-13.33%	201000	-21.18%	70000	-72.55%
#4	0.50	0.00%	255000	0.00%	150000	-41.18%
#5	0.57	13.33%	309000	21.18%	230000	-9.80%
#6	0.63	26.67%	363000	42.35%	310000	21.57%
#7	0.70	40.00%	417000	63.53%	390000	52.94%
#8	0.77	53.33%	471000	84.71%	470000	84.31%
#9	0.83	66.67%	535000	109.80%	550000	115.69%
#10	0.90	80.00%	615000	141.18%	630000	147.06%

Deciding whether to market a new product

		Net gain/loss		
Prior probability of product success	0.50		750000	
Prior probability of product failure	0.50		-450000	
Probabilities indicating accuracy of survey				
Actual\survey		Favorable	Neutral	Unfavorable
Success		0.60	0.30	0.10
Failure		0.10	0.20	0.70

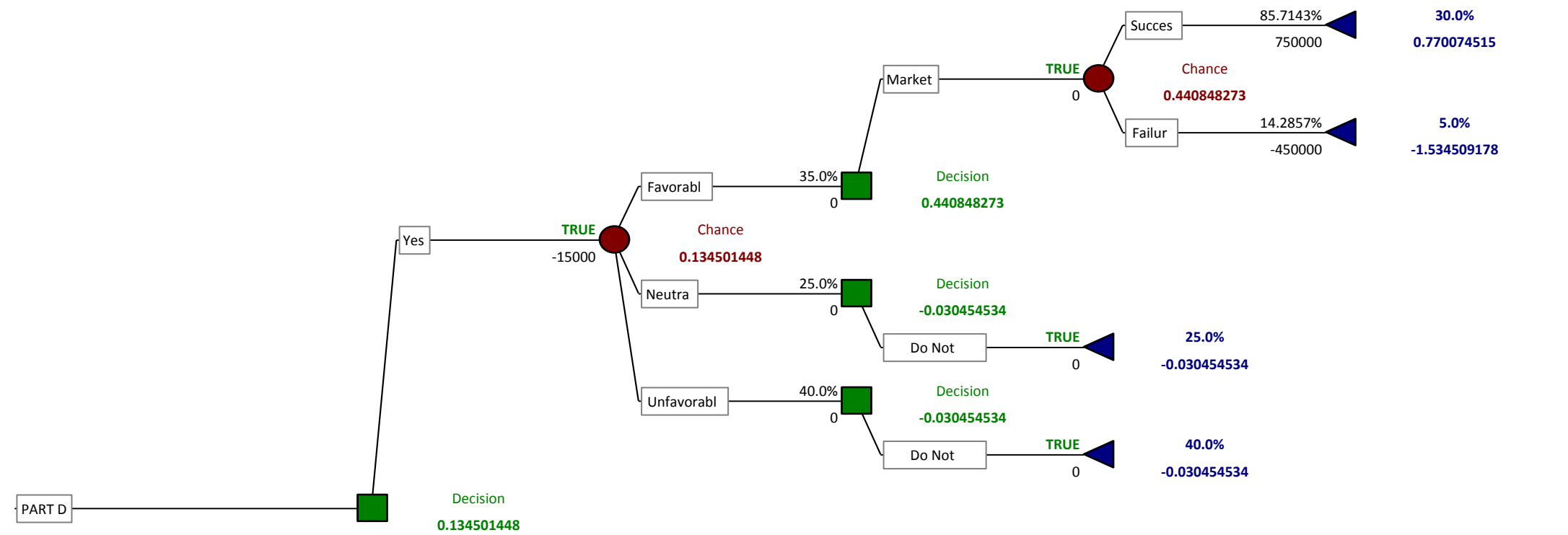
		Posterior probabilities of survey results		
		Favorable	Neutral	Unfavorable
		0.35	0.25	0.40
		Favorable	Neutral	Unfavorable
Posterior probabilities		0.857	0.600	0.125
Actual\survey				
Success		0.143	0.400	0.875
Failure				

P(Survey)	0.5
Cost Survey	15000



PrecisionTree Policy Suggestion - Optimal Decision Tree

Performed By: Rahil
Date: Friday, December 10, 2021 5:13:47 PM
Model: Decision Tree 'PART D' in [Q2 data.xlsx]PartD



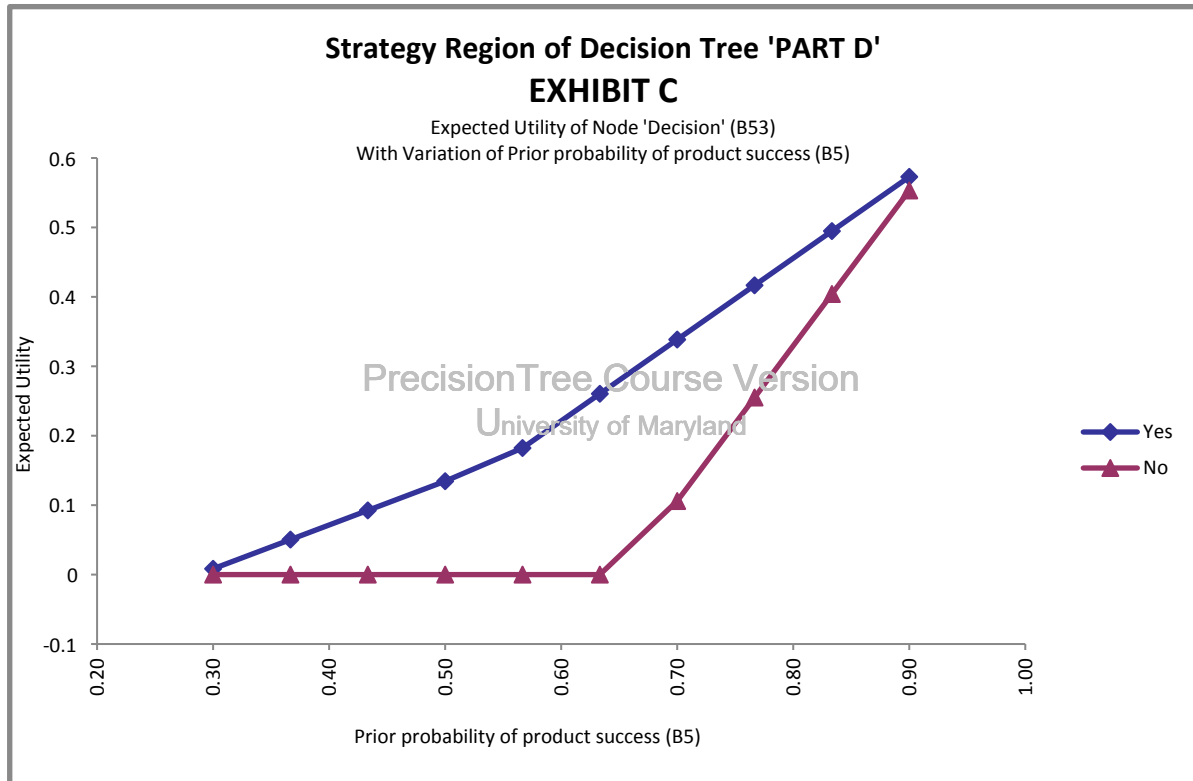
PrecisionTree Sensitivity Analysis - Strategy Region

Performed By: Rahil

Date: Friday, December 10, 2021 5:15:33 PM

Output: Decision Tree 'PART D' (Expected Utility of Entire Model)

Input: Prior probability of product success (B5)



Strategy Region Data						
	Input		Yes		No	
	Value	Change (%)	Value	Change (%)	Value	Change (%)
#1	0.30	-40.00%	0.00835687	-93.79%	0	-100.00%
#2	0.37	-26.67%	0.050405063	-62.52%	0	-100.00%
#3	0.43	-13.33%	0.092453256	-31.26%	0	-100.00%
#4	0.50	0.00%	0.134501448	0.00%	0	-100.00%
#5	0.57	13.33%	0.182288177	35.53%	0	-100.00%
#6	0.63	26.67%	0.260401013	93.60%	0	-100.00%
#7	0.70	40.00%	0.338513849	151.68%	0.105927955	-21.24%
#8	0.77	53.33%	0.416626685	209.76%	0.255026151	89.61%
#9	0.83	66.67%	0.49473952	267.83%	0.404124348	200.46%
#10	0.90	80.00%	0.572852356	325.91%	0.553222545	311.31%