

Exercise – Part

- SIT industries is running a project to build a new type of robot. We only have enough resources to create an electric powered one, or a gas powered one, but not both. We could also choose to make neither.
 - The electric one has 75% chance of being successful and making us \$10m. If it fails we loose \$3m
 - The gas one has a 60% chance of being successful and making us \$15m. If it fails we loose \$7m
- Draw an initial decision tree representing this.
- Solve the tree

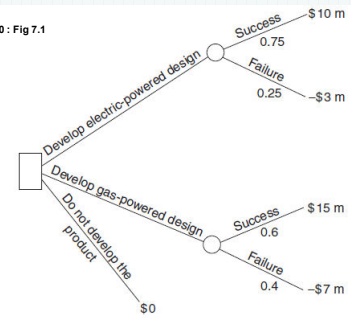
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Solution Part 1

Goodwin and Wright 2010 : Fig 7.1

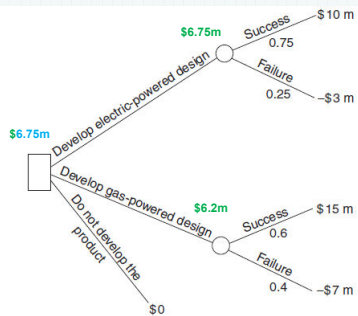


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Solution Part 2



Adapted from Goodwin and Wright 2010 : Fig 7.1

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Exercise Home Business

- You have started a home business where you buy goods at garage sales and sell them on eBay. You spend 5-10 hours each week and net about \$10,000 pa. You manage the business from your home computer
- In groups, complete the following security risk assessment for the 4 identified risks
 - Time: 10 mins
- Note: these are not useful risks to consider as part of your assignment!

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Exercise Home Business

Risk	Likelihood	Worst Case Impact	Expected Loss	Suggested Response
Virus and Worms	Moderate (once annually)	\$2,000 if system irrecoverable (full rebuild and data reconstruction)	Likelihood of system rebuild required: 25%. So expected loss is \$500	Mitigate: Anti-Virus, and Backup.
Remote Hacking Attack	Low (once each 5 years)	\$2,000 (as above)	\$400	Mitigate: Firewall and Backup
Theft	Low (once each 5 years?)	Loss of system, data, etc, estimated at \$5,000 (new system and setup, some data reconstruction, and loss of access while rebuilding)	\$400	Mitigate and Transfer: Backup, Insure equipment and business loss.
Fire, Earthquake, Hurricane, Flood and similar.	Very Low (< 1/10,000)	\$5000 as above	50c (Ha!)	Accept Risk

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