



# ASQ CRE Prep course

Lesson III. A. 5.

Fault Tree Analysis (FTA) &  
Success Tree Analysis (STA)

A top down model

# FAULT TREE ANALYSIS



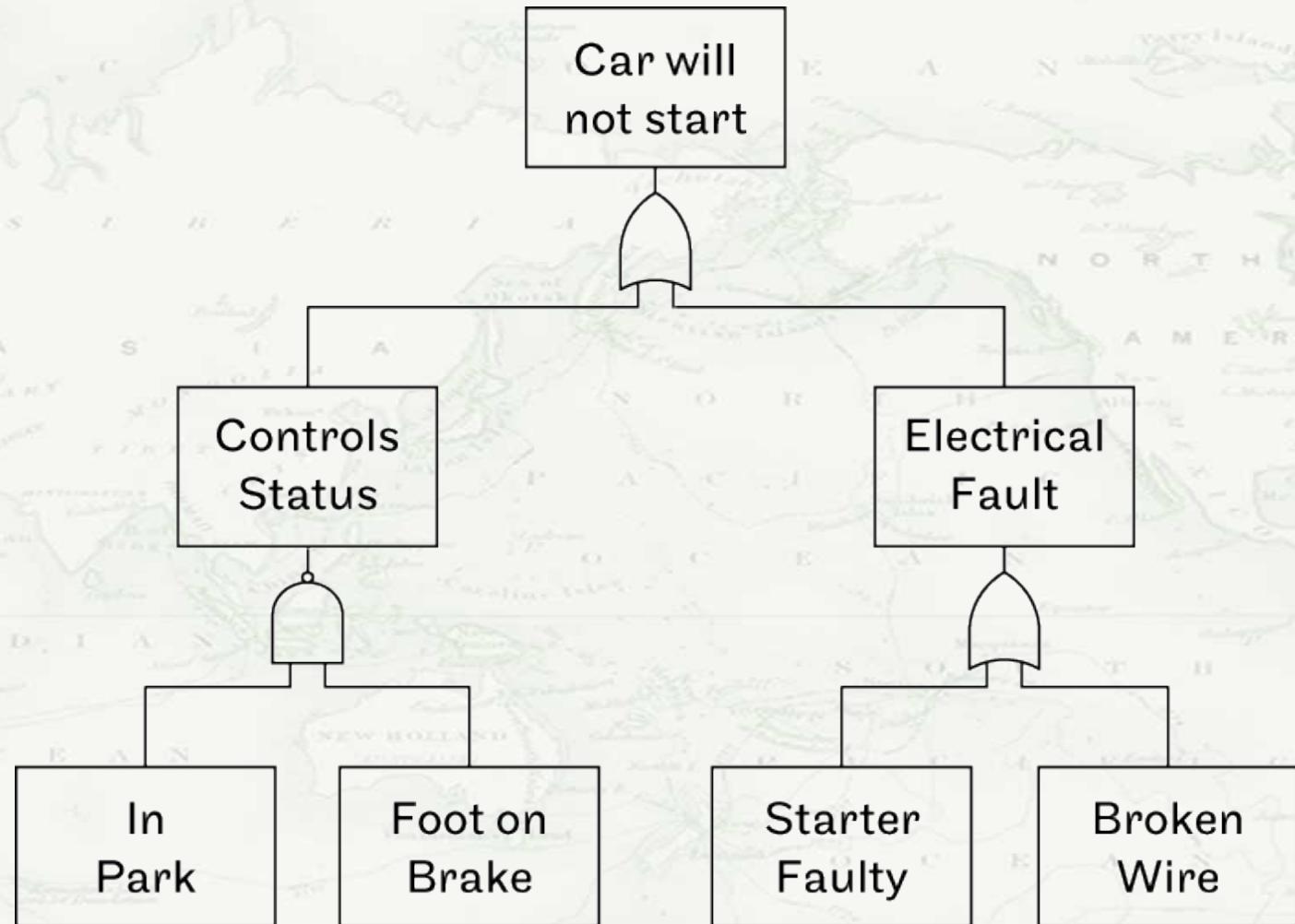
# Fault Tree Analysis

**Similar to Reliability  
Block Diagrams**

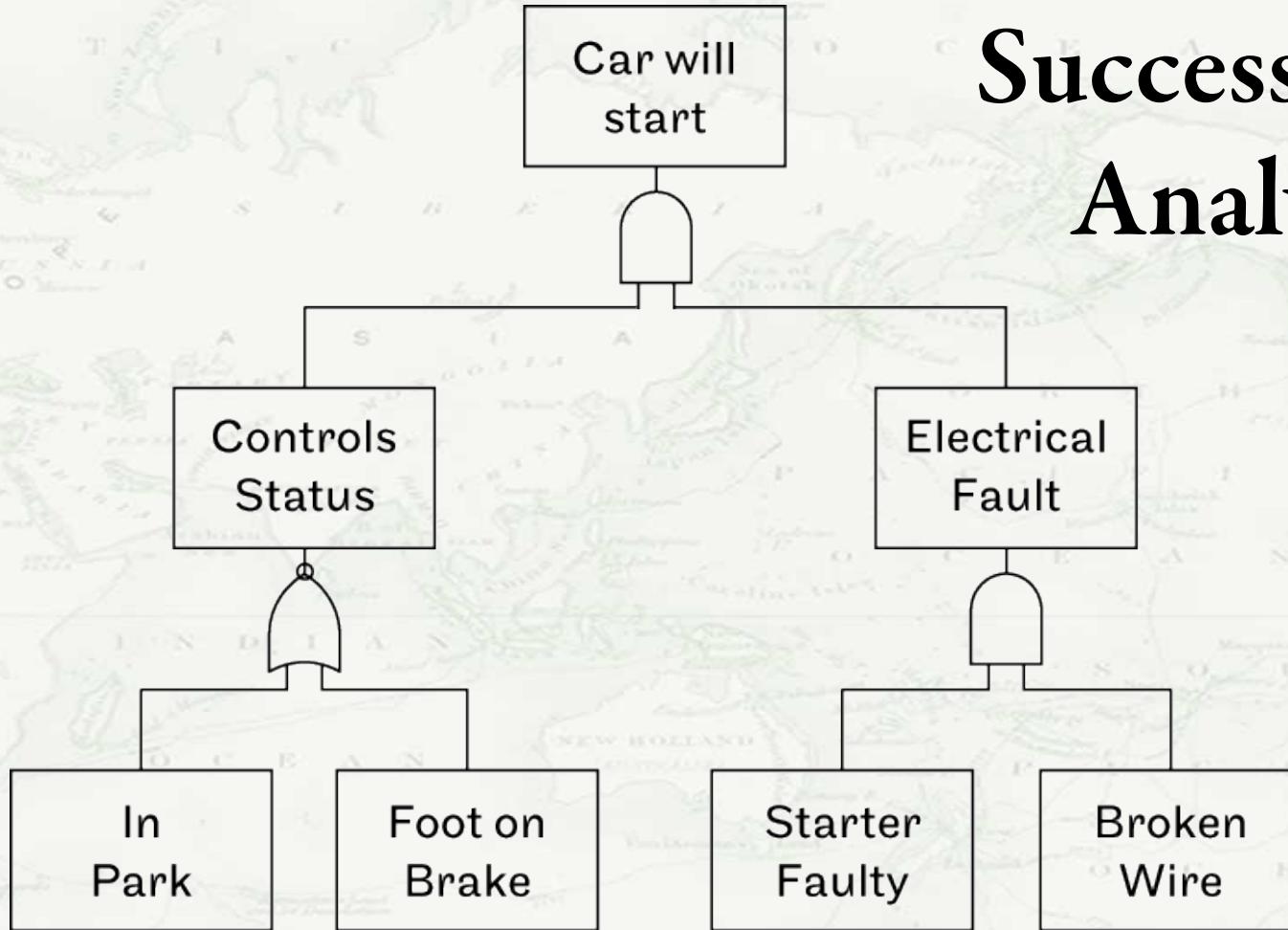
**Graphical, logical  
representation of  
system**

**Logic gates**





# Success Tree Analysis



Are elements  
really  
independent?



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Lesson III. A. 6.

Tolerance and Worst-Case  
Analysis