

Incumbent's Dilemma

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Problem

Observation:

The innovation and organizations literature has focused considerably on the question of, “why large firms fail.”

In real world, there are three distinct outcomes possible:
entrants win (i.e., incumbents fail to defend their market);
entrants lose (i.e., incumbents retain or reclaim the market),
both entrants and incumbents share the market.

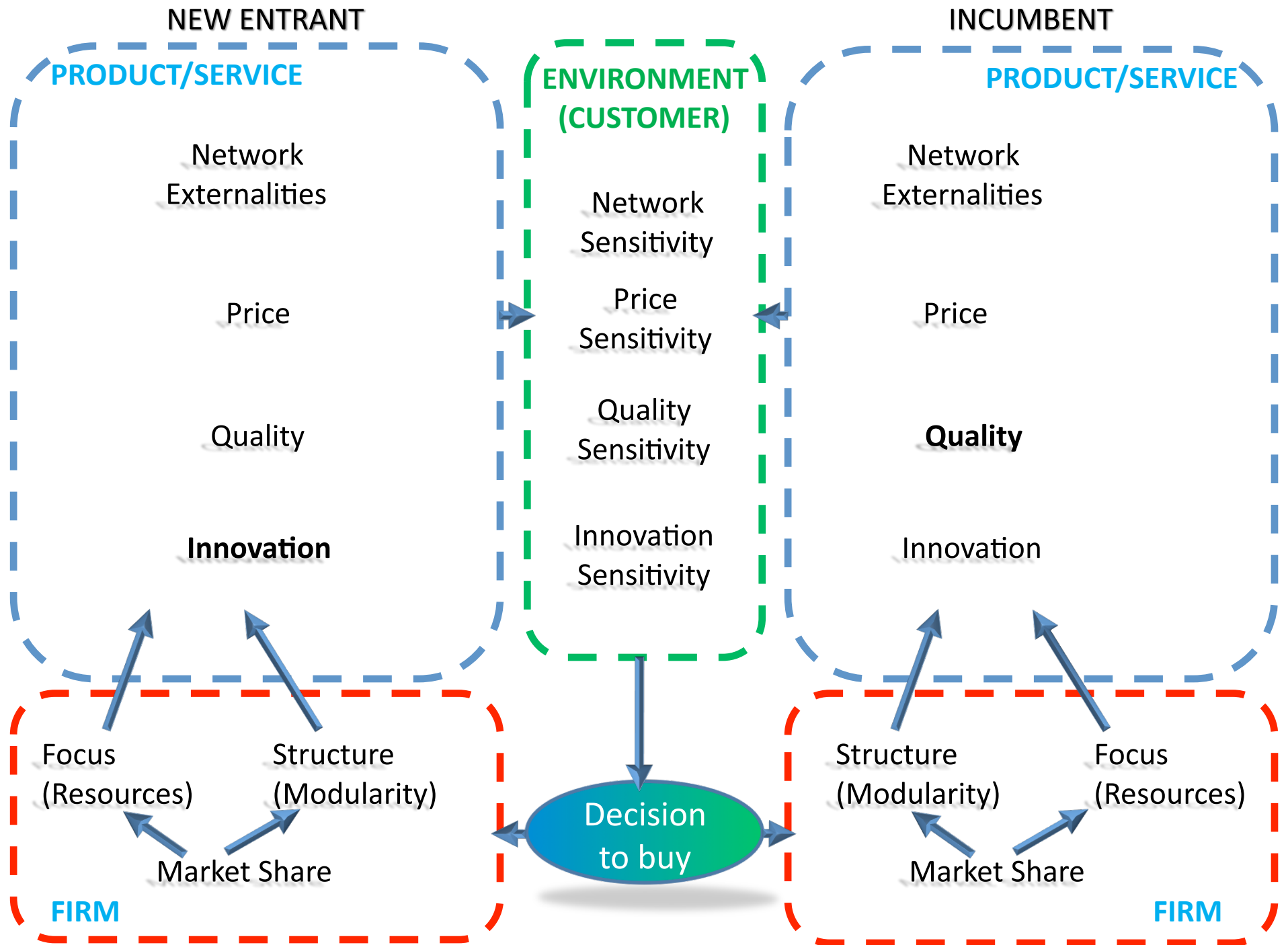
Question:

How to understand which of the three outcomes is most likely?

(Since the answer to this question is what ought to dictate the appropriate competitive strategies.)

Intended Outcome

	Disruption	Co-existence	No Disruption
<i>Firm Factors</i>			
<i>Product/Service Factors</i>			
<i>Environment Factors</i>			

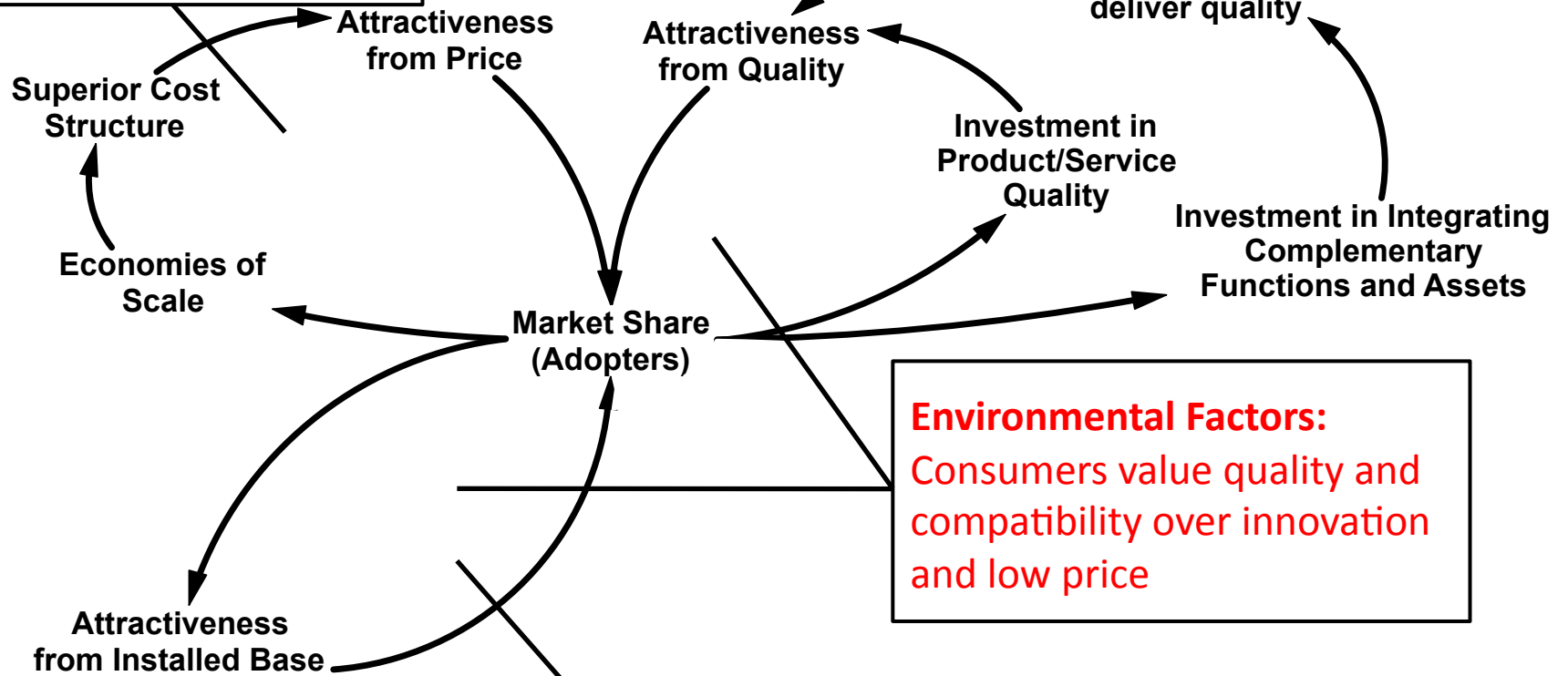


No Disruption

(positive feedbacks to incumbent market share from scale)

Example:
MS Windows for Desktop

Firm-level Factors:
Incumbents have far superior cost structure

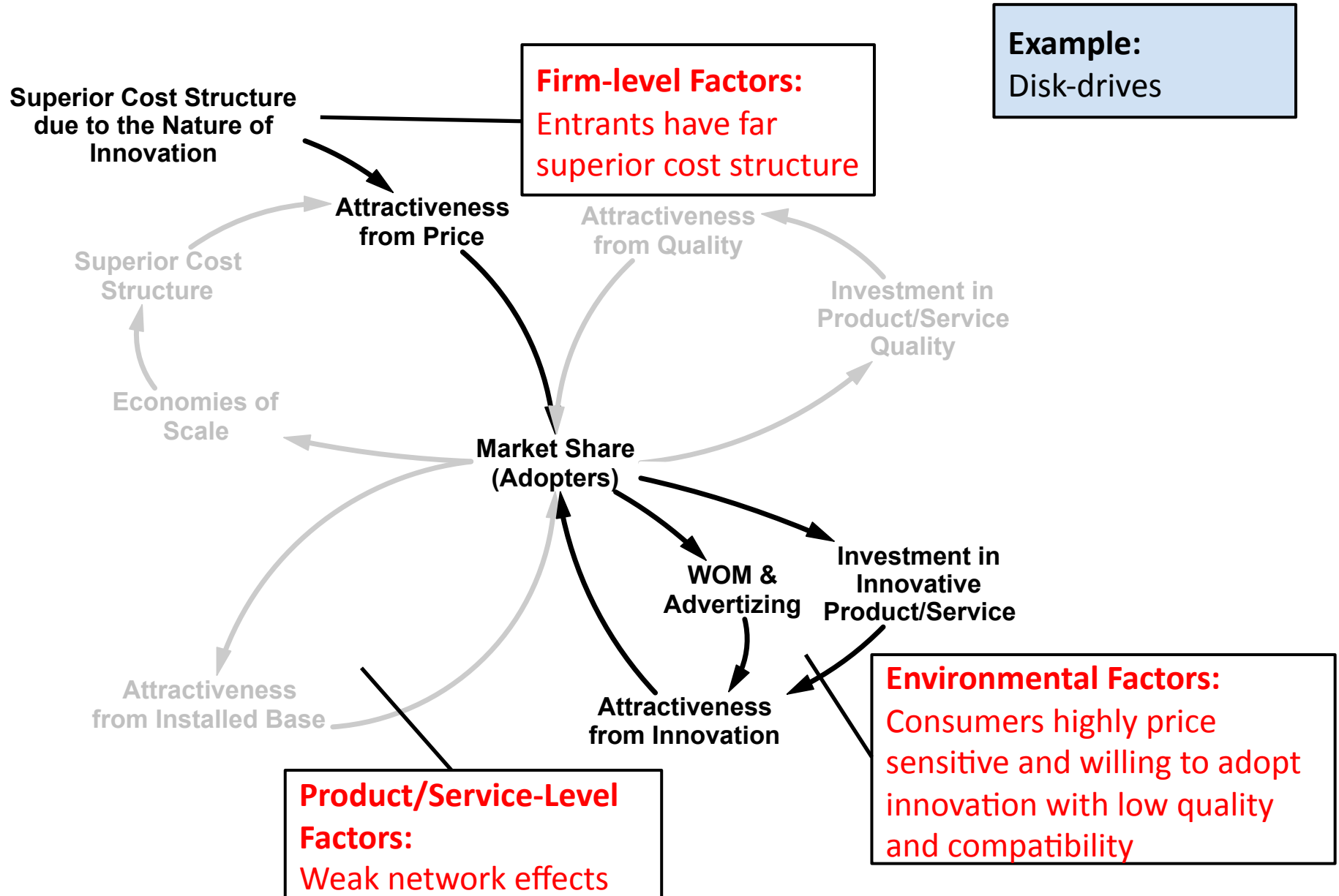


Environmental Factors:
Consumers value quality and compatibility over innovation and low price

Product/Service-Level Factors:
Strong network effects

Disruption

(new entrant's market share grows from lower cost innovation)



Coexistence

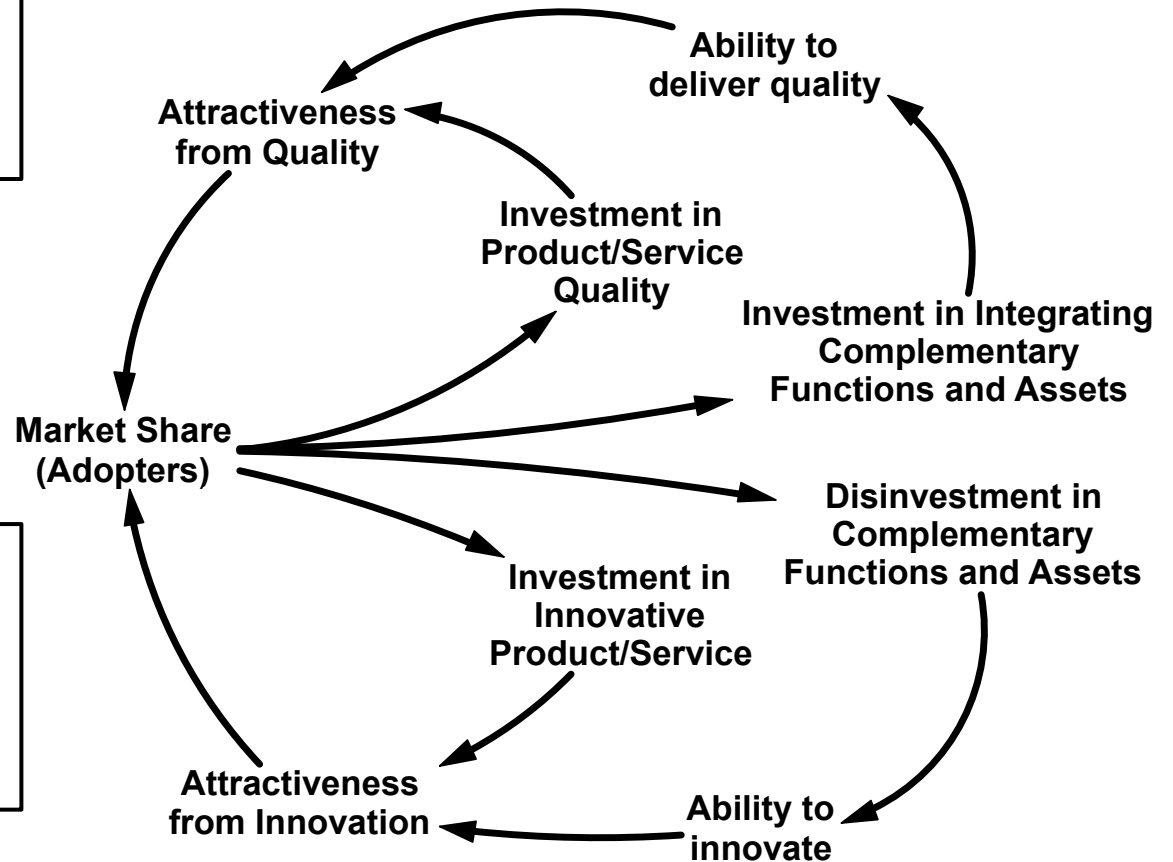
(incumbent successfully responds with rapid innovation)

Example:
Broadcast TV

Environmental Factors:
Consumers value availability over quality/innovation, or are willing to tradeoff quality and innovation

Product/Service-Level Factors:
No Network Effect
Incumbents can affect switching behavior heavily

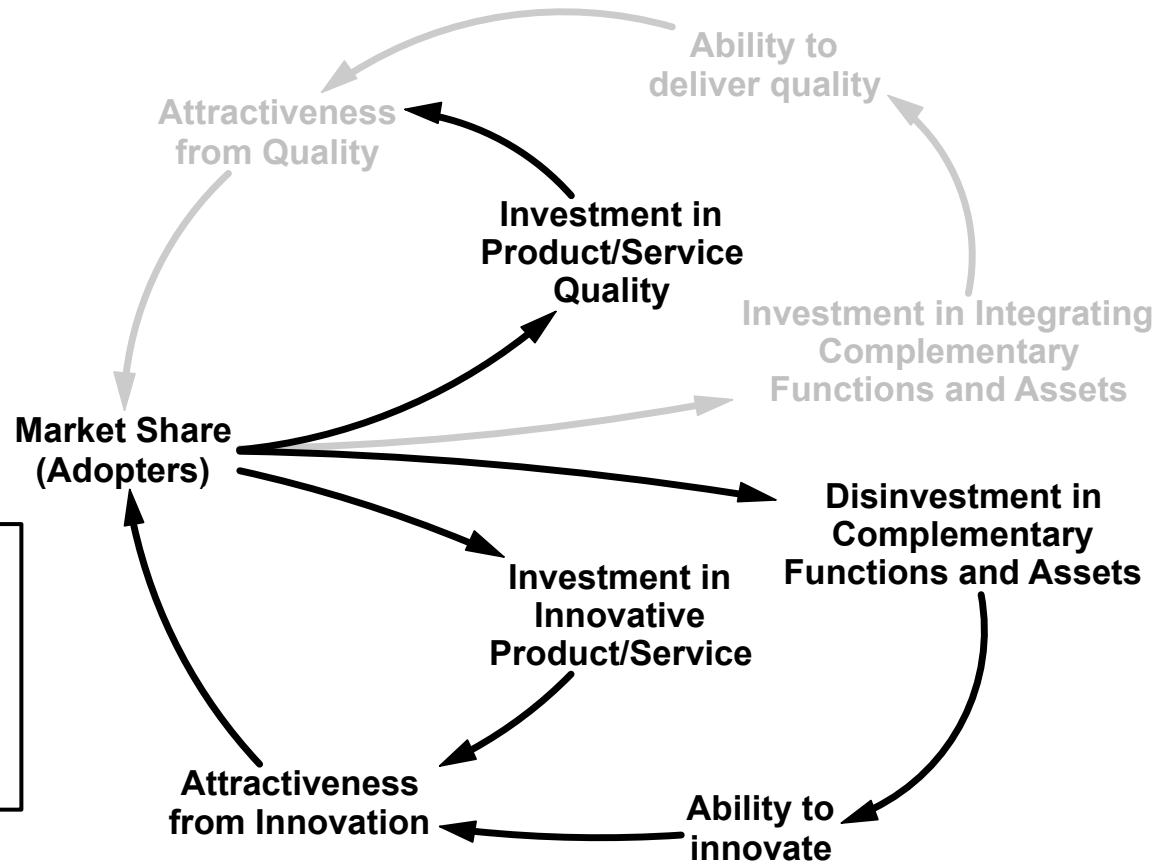
Firm-Level Factors:
Incumbents innovate, restructure while maintaining quality



Coexistence (Contd.)

(entrant successfully innovates, but struggles to gain quality)

Example:
Electric Vehicles?



Firm-Level Factors:
Entrants struggle to offer quality due to lack of complementary assets or market power

Theoretical Results

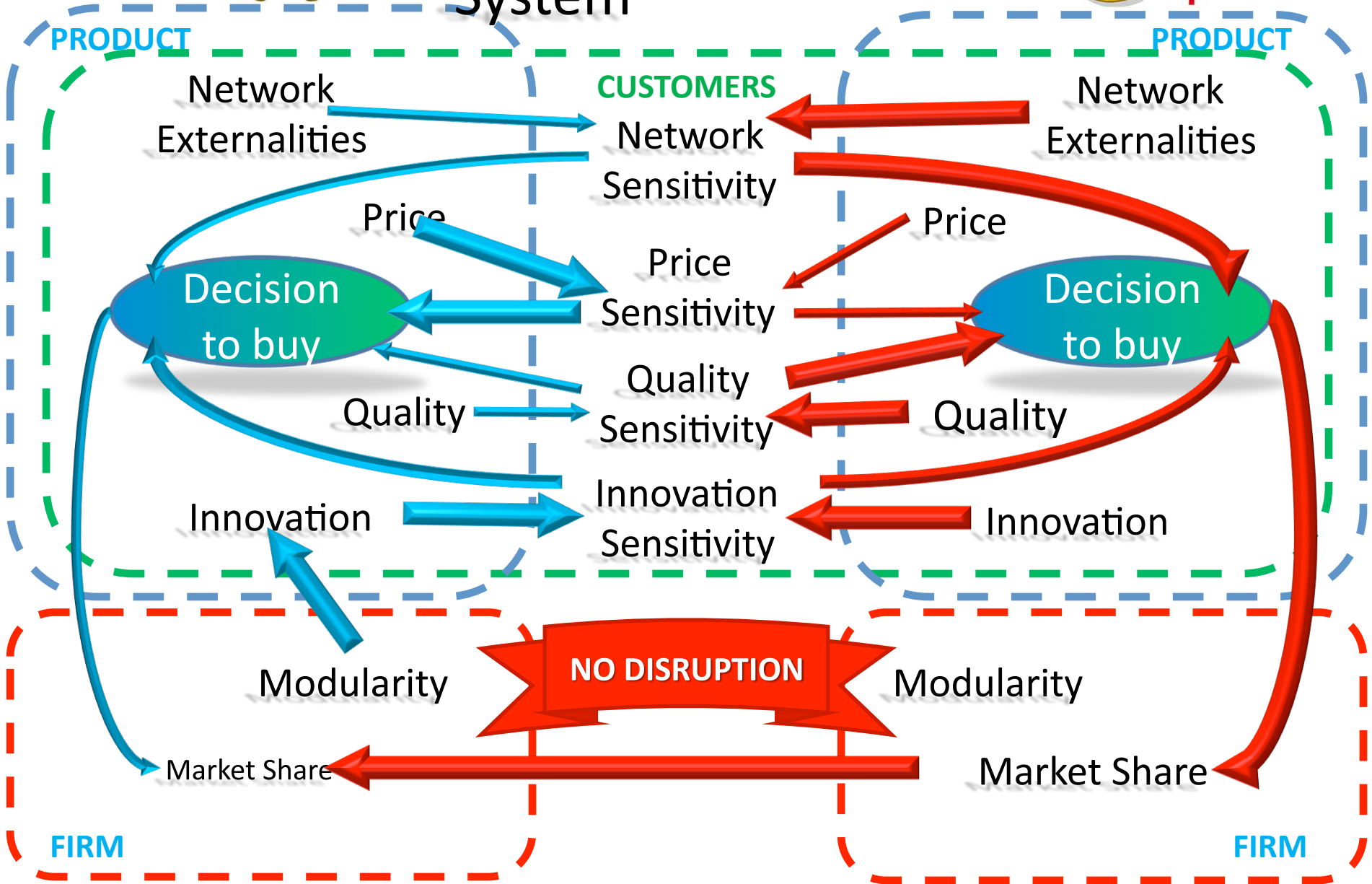
	Disruption	Co-existence	No Disruption
<i>Firm Factors</i>	<ul style="list-style-type: none"> • Entrants have far superior cost structure 	<ul style="list-style-type: none"> • Incumbents innovate, restructure while maintaining quality • Entrants struggle to offer quality due to lack of complementary assets or market power 	<ul style="list-style-type: none"> • Incumbents have far superior cost structure
<i>Product/Service Factors</i>	<ul style="list-style-type: none"> • Weak Network Effect 	<ul style="list-style-type: none"> • No Network Effect • Incumbents can affect switching behavior heavily 	<ul style="list-style-type: none"> • Strong Network Effect
<i>Environment Factors</i>	<ul style="list-style-type: none"> • Consumers highly price sensitive and willing to adopt innovations with low quality and compatibility • (Alternatively) consumers value quality, but entrants introduce a product with strong network effect 	<ul style="list-style-type: none"> • Consumers value availability over quality/innovation, or are willing to tradeoff quality and innovation 	<ul style="list-style-type: none"> • Consumers value quality and compatibility over innovation and low price • (Alternatively) consumers value innovation, but incumbent's product has strong network effect

Case Research

- Purpose
 - To validate theoretical insights
 - To understand the predictive power of the model
 - To understand the limitations of the model
- Case Selection
 - Looking back (empirical, where outcomes can be analyzed)
 - Looking forward (predictive, where conditions can be analyzed)
- Data (dimensions discussed later)
 - Quantitative
 - Qualitative

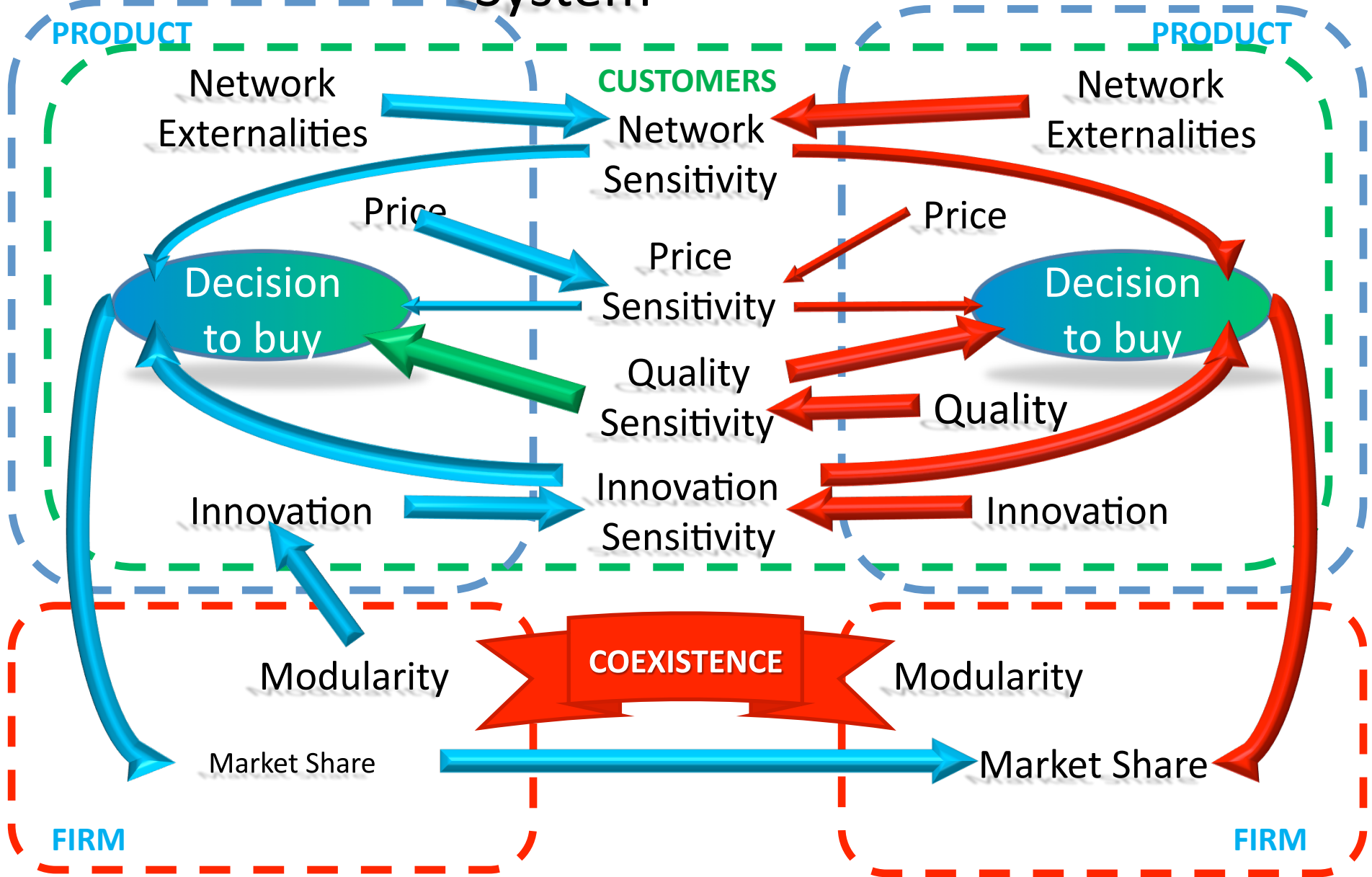


Desktop Operating System



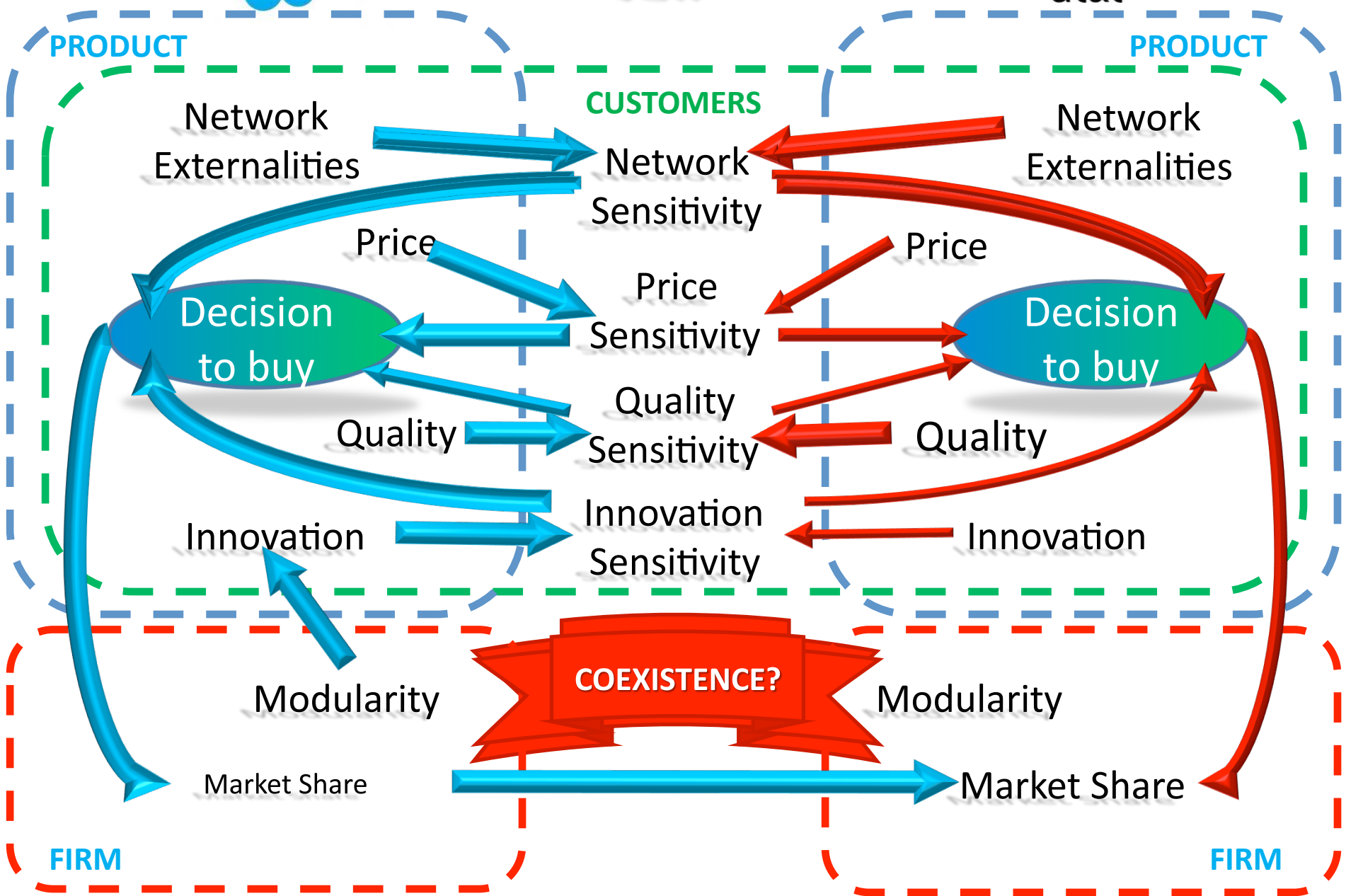


Server Operating System





VoIP



Framework definitions

	ENVIRONMENTAL FACTORS
	CURRENT POSITIONS
	Price Sensitivity (SoA to Price)
11	
	Quality Sensitivity (SoA to Quality)
12	
	Innovation Sensitivity (SoA to Innovation)
13	
	SoA to Installed Base
14	
	Contact Rate
15	
	Word of Mouth
16	

Business Cases

	Disruption	Co-existence	No Disruption
<i>Firm Factors</i>		OLED Displays	
<i>Product/Service Factors</i>	Skype VoIP		
<i>Environment Factors</i>		Linux - Windows Server Operating System	Linux - Windows Desktop Operating System

Potential candidates: Netflix, ??

THANK YOU!

PHILIPS

OLED Displays

SAMSUNG

