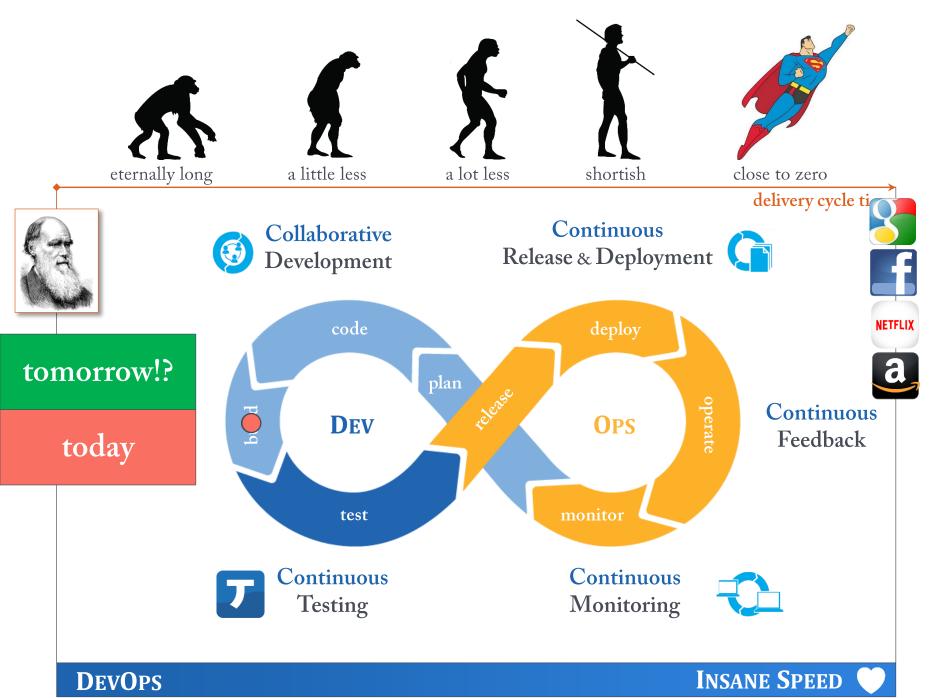


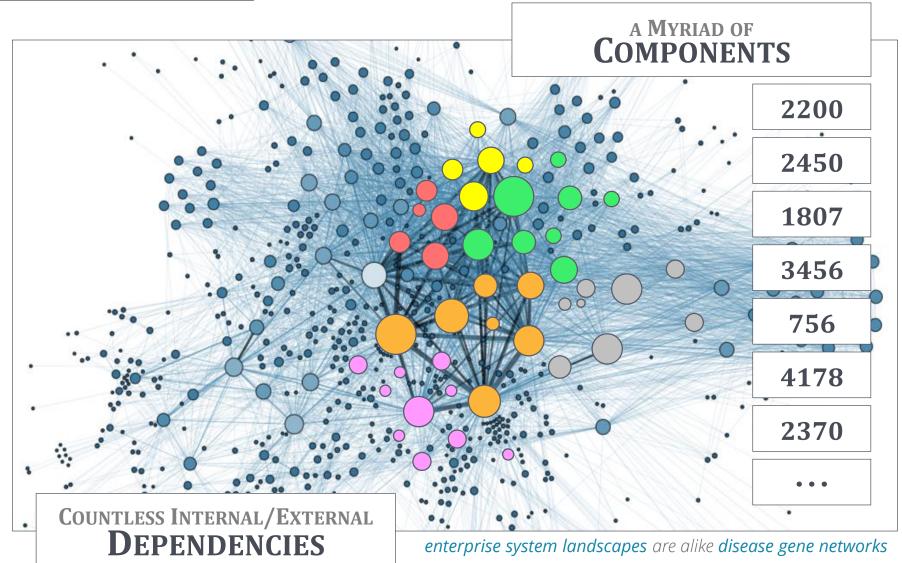
# AND AGILE SURVIVAL FIGHT IS AGILE TESTING JUST A BYWORD FOR TEST AUTOMATION?

Ingo Philipp Product Manager

#AustrianTestingBoard













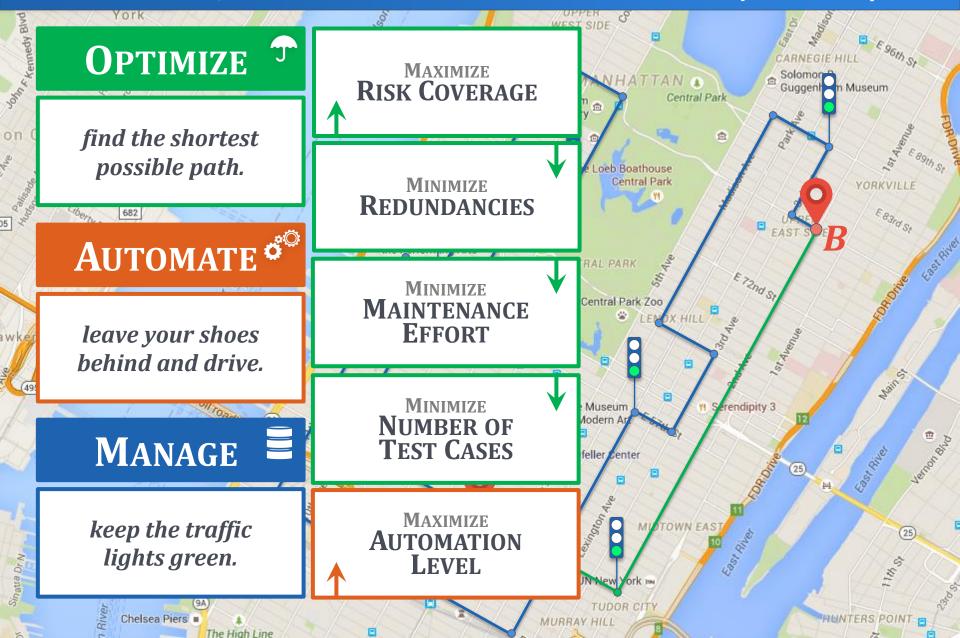
# Automation

A <b>natural</b> & <b>inevitable</b> consequence?	SE
and so the sole <b>truth?</b>	- Sig

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#### No, it's about being efficient & effective.

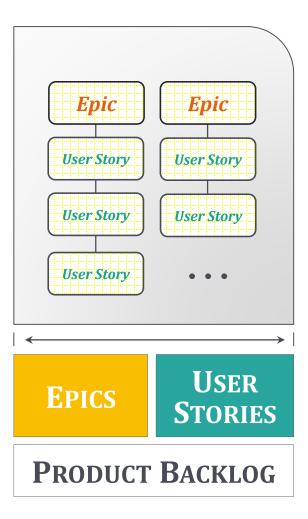
#### Is it just about **speed**?

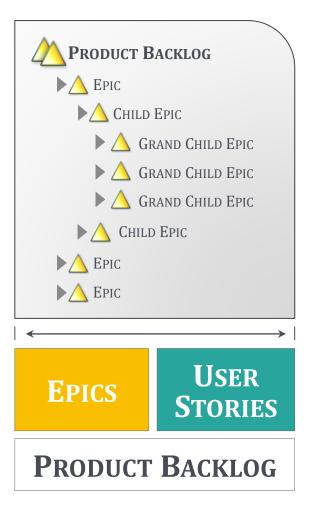


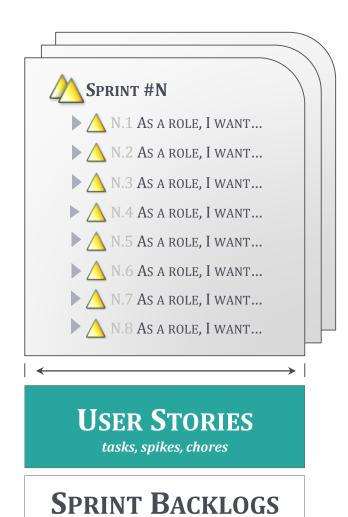


#### **USER STORIES**

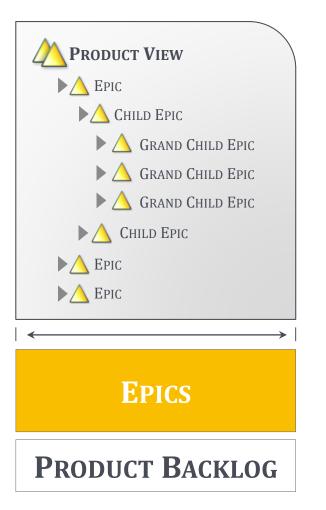
#### **PRODUCT BACKLOG**







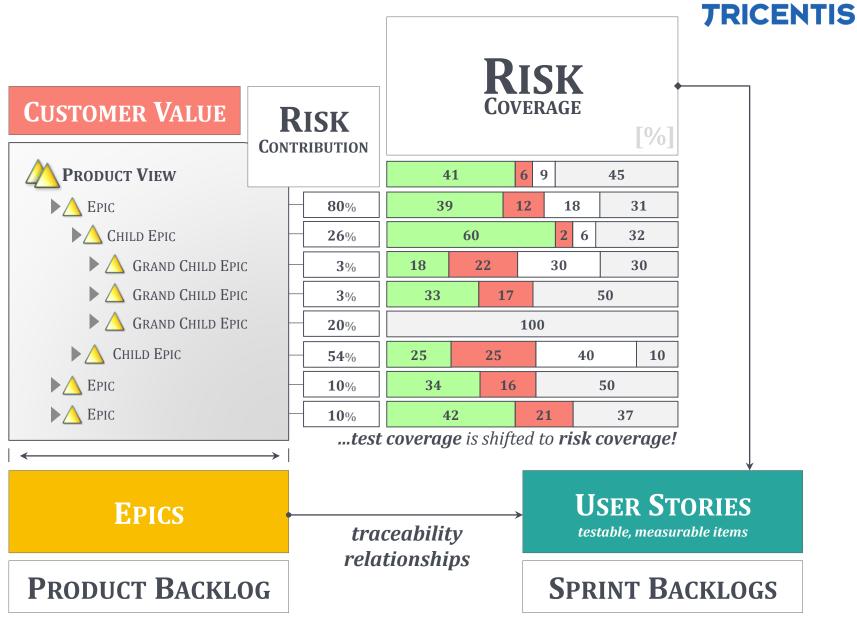
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#### USER STORIES testable, measurable items

**SPRINT BACKLOGS** 



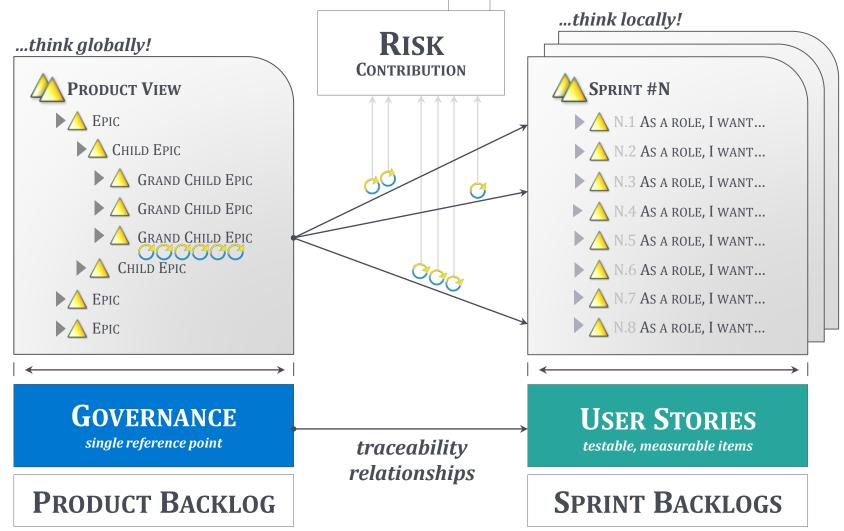
...to measure is to know, i.e. if you can't measure it, you can't improve it.

# AUTOMATIC CLEAN UP

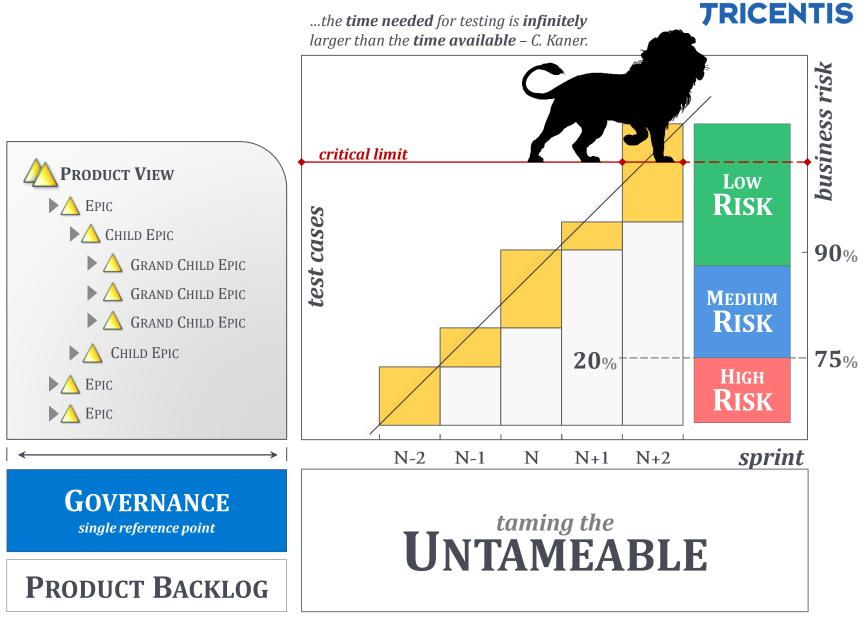
consistent, up-to-date & easy-to-maintain portfolio

# **RISK-BASED APPROACH**

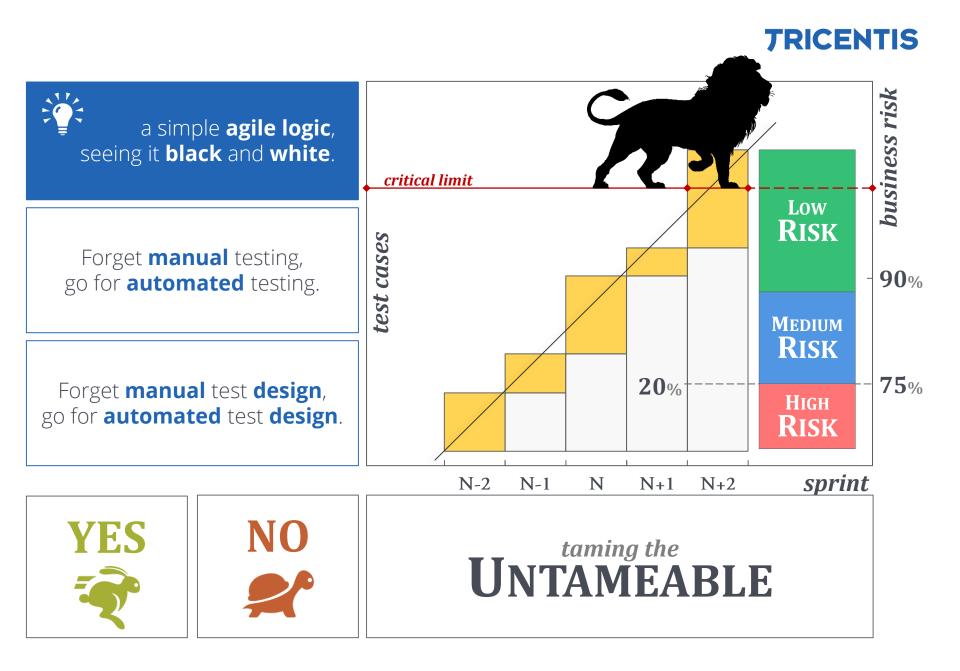
extended to test case level

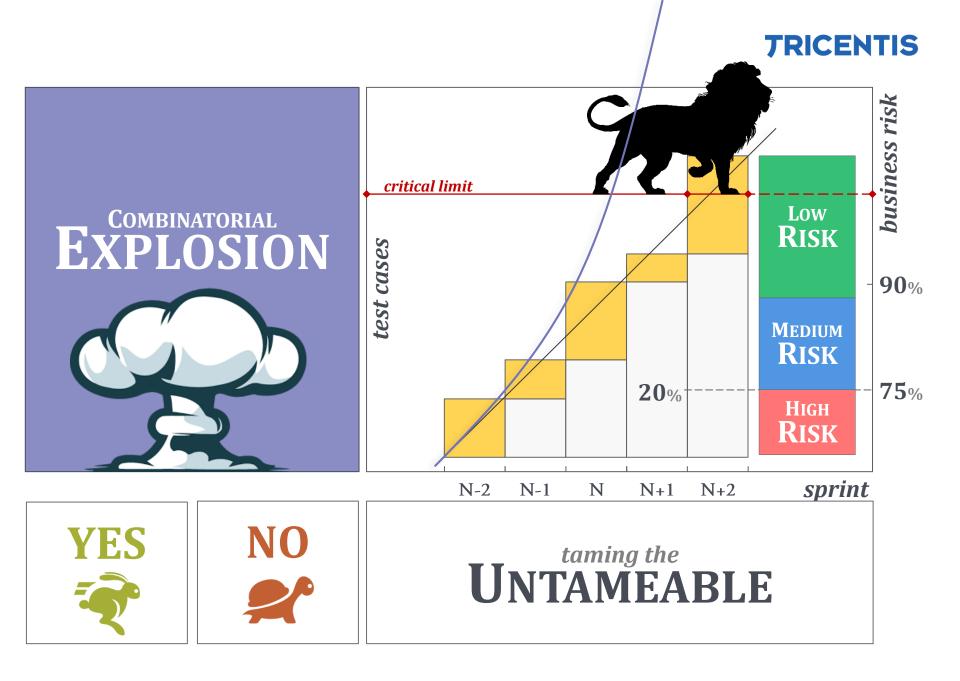


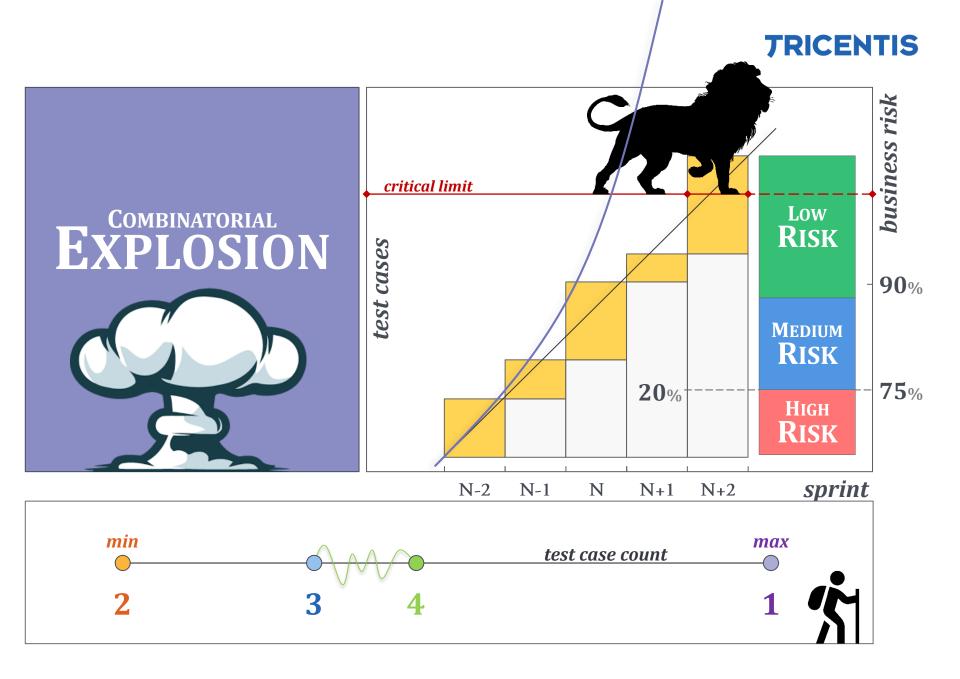
...to **measure** is to know, i.e. if you can't measure it, you can't **improve** it.



...to measure is to know, i.e. if you can't measure it, you can't improve it.













step





Test Cases	2100				
	ALL COMBINATIONS				

STEP







# That's not even an **option**.



COMBINATORIAI

COMBINATORIAL						
DEPRESSION	#	Case #1	Case #2		Case #14	Case #15
Trading Place	14	T001	T002		T014	T001
Asset Class	15	A001	A002		A014	A015
Counterparty	5	C001	C002		C004	C005
Market Type	2	M001	M002		M002	M001
Test Cases	15					







minimal number of test cases.

test objective is unknown.

enormous **maintenance** problems.

false statements about **risk contribution**.

root cause analysis is a herculean task.

κ STEP

Market Type	2	M002	M002	•••	M002	M002
Counterparty	5	C003	C003		C003	<b>C001</b>
Asset Class	15	A014	A014		A005	A014
Trading Place	14	<b>T007</b>	T008		<b>T007</b>	T007
COMBINATORIAL CONTRACTION	#	Case #1	Case #2	•••	Case #32	Case #33
_ COMBINATORIAL						

# 33

#### LINEAR EXPANSION







slightly more **test cases**.

# each test case pursues a unique & well-defined goal.

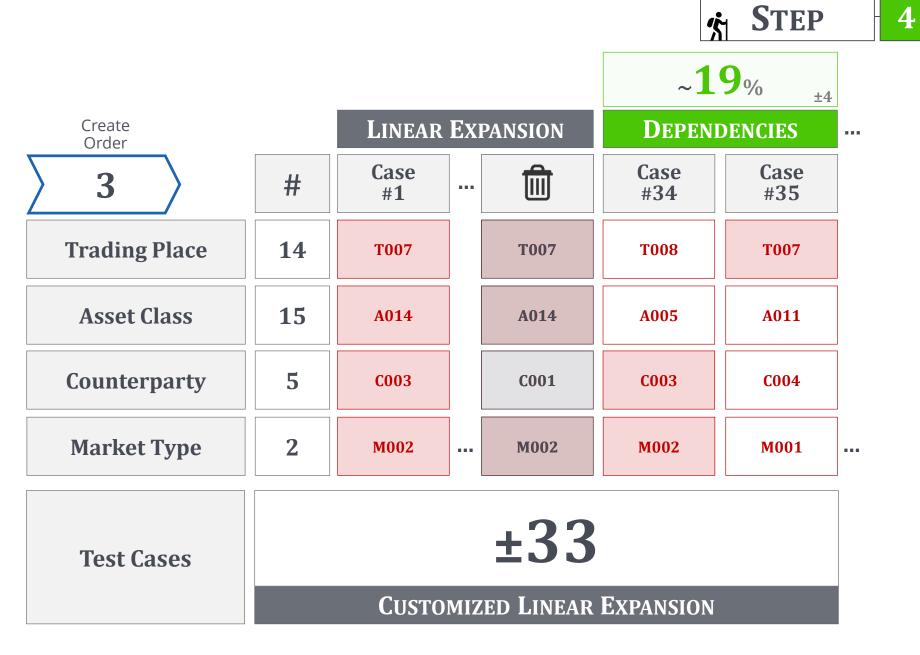
# root cause analysis is an easy task.

# strongly supports changeability & maintainability.

enables to derive risk contribution.

# **independent** parameters? ...that's beyond any belief, it's a **continuous misbelief**.

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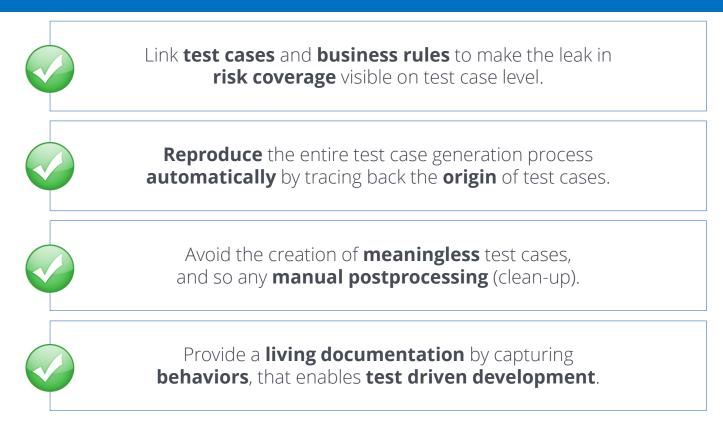






### dependencies continuously break any combinatorial logic.

#### ..hence, say **what** has to be tested, and **why** it has to be tested.







remodeling traditional approaches for greater agility.

	Test Cases Risk Coverage		Run Time		
Start	2200	30%	8 WEEKS		
Optimize <b>7</b>			<b>5 WEEKS</b>		
value-based TEST CASES	600	85%			
MANAGE <b>=</b>					
synthetic TEST DATA		<b>O</b> Integrate	2 WEEKS		
AUTOMATE 🗳					
model-based test	87%	<b>2 HOURS</b>	<b>2 DAYS</b>		
AUTOMATION	automation level	smoke testing	regression testing		



