

Six Sigma plus Lean

Strategisches Prozessmanagement

Agenda

DMAIC (continued)

Lean Management

Selected Tools

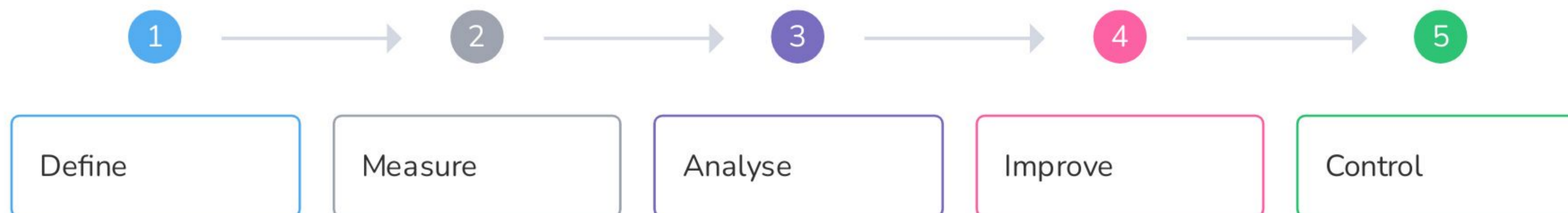
PDCA

Outlook

DMAIC (continued)

Improve and Control







Put the phases into the correct order.



✓ 4 👤 | ✗ 7 👤

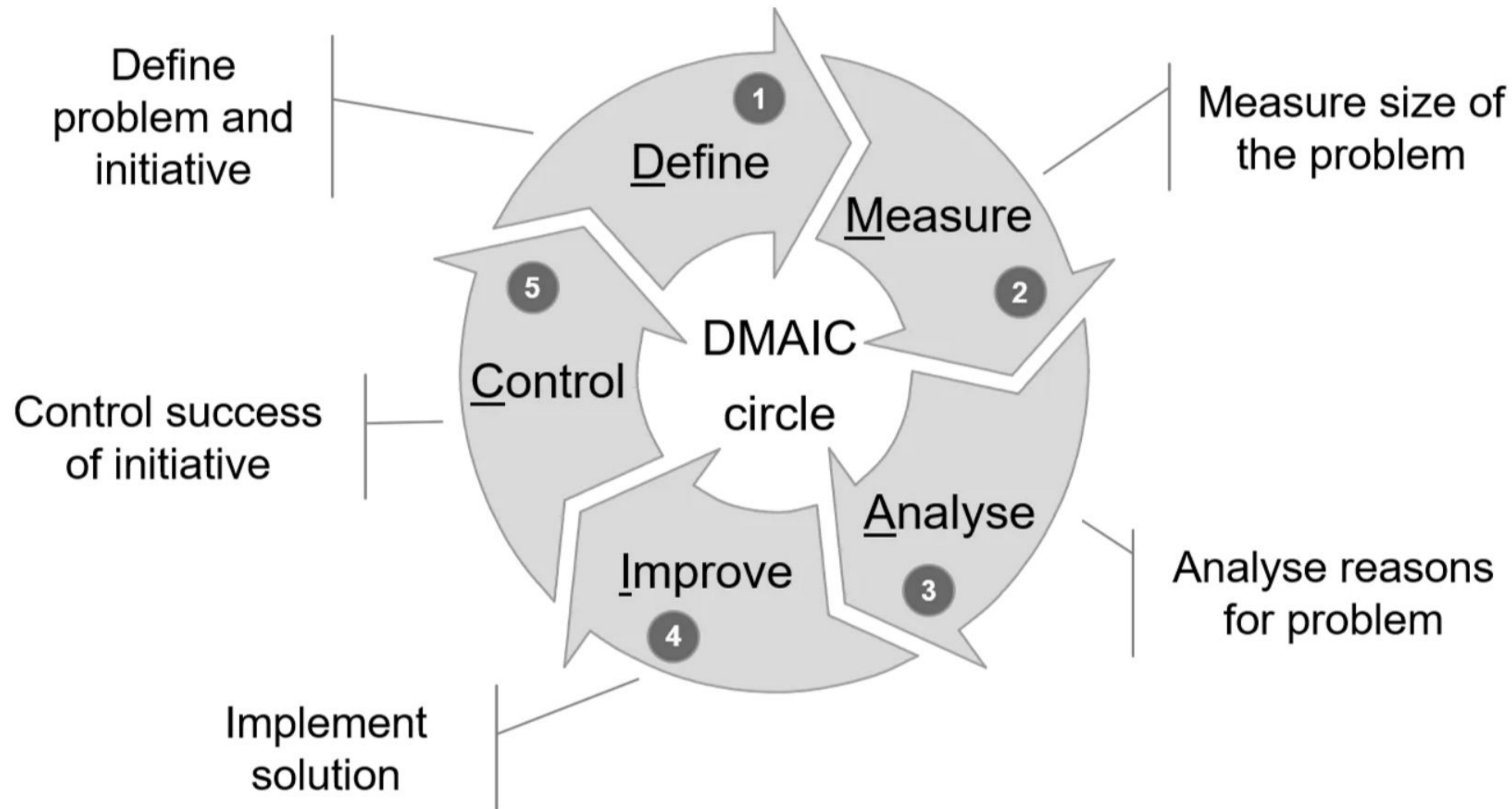
Leaderboard

11 players

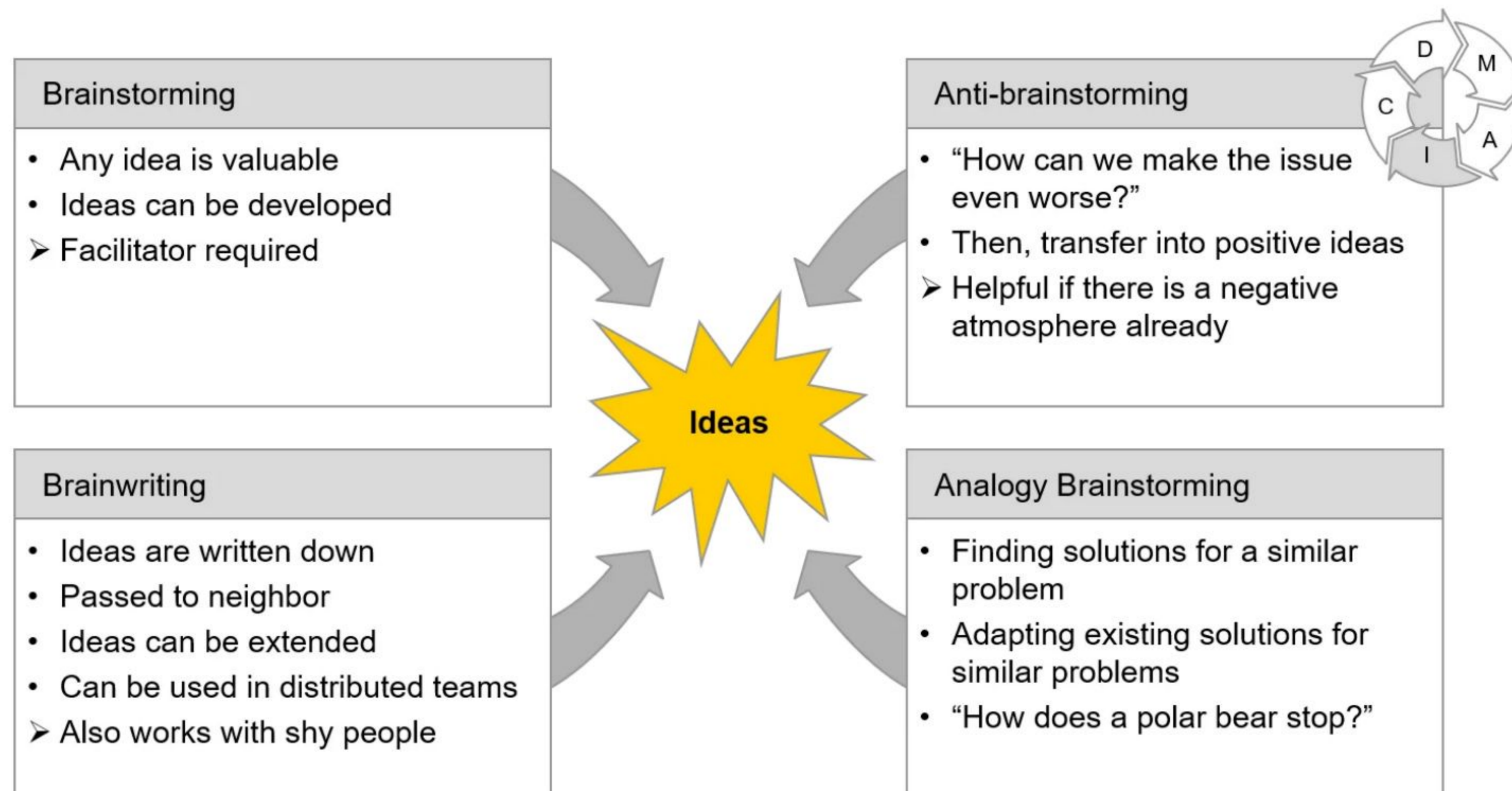
1	 wievielter werde i...	94p +94
1	 Lachs	94p +94
3	 alien	92p +92
4	 CR7	80p +80
5	 zombie	0p +0
5	 taube	0p +0



DMAIC

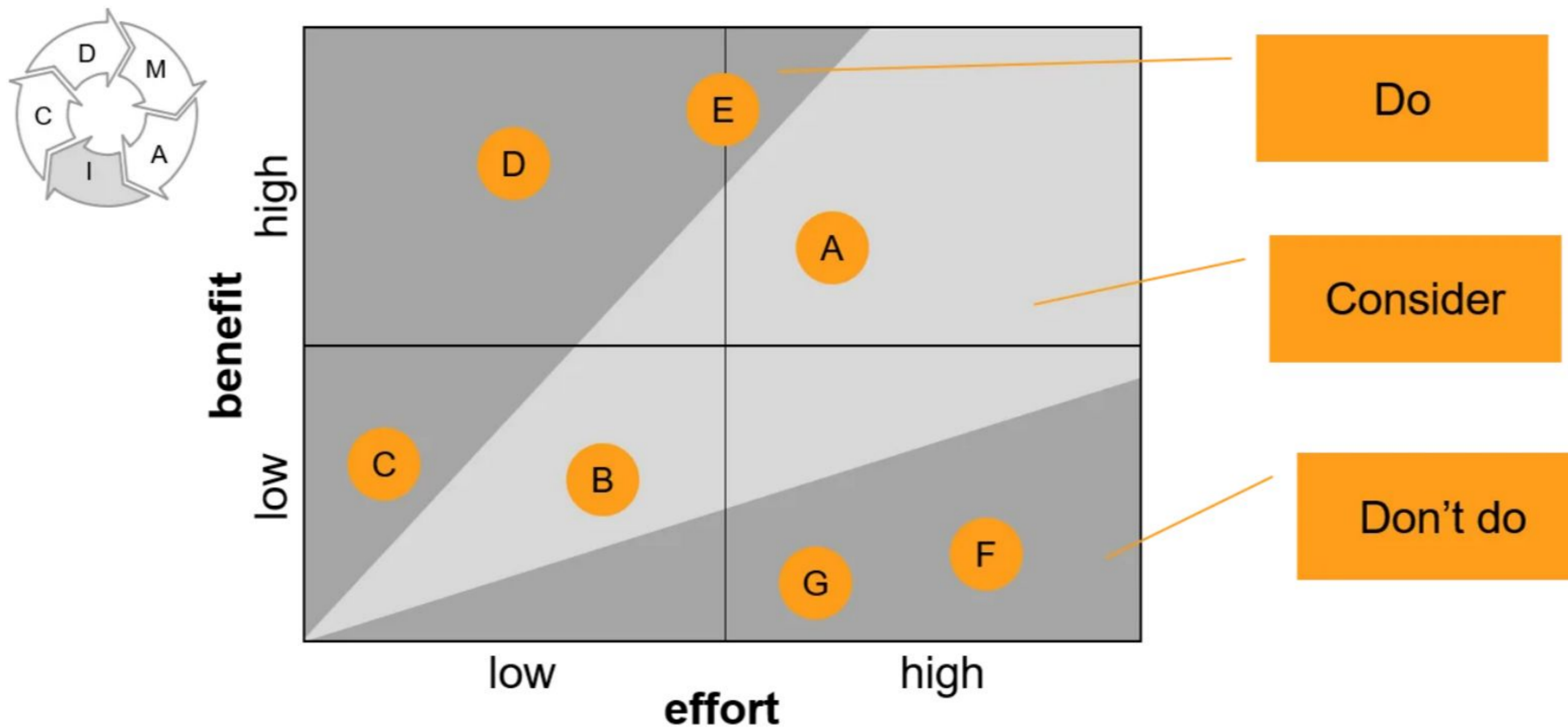


Improve: Methods for Finding Solutions



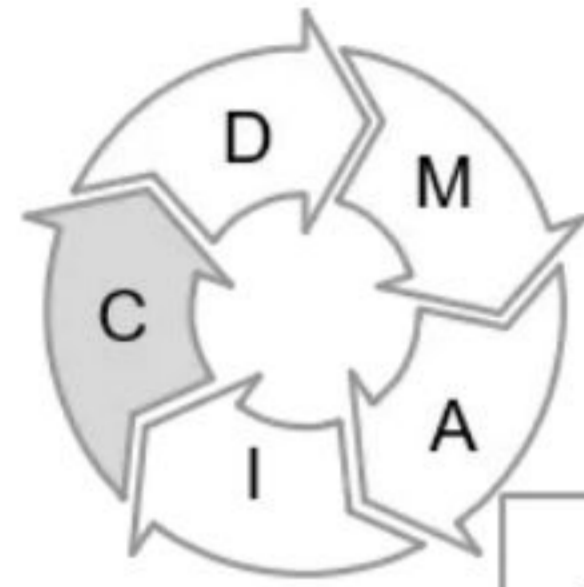
This usually results in several potential solutions.

Improve: Prioritising Solutions



All solutions should be reated with respect to **effort** and **benefit**.

Control: Monitor New Process



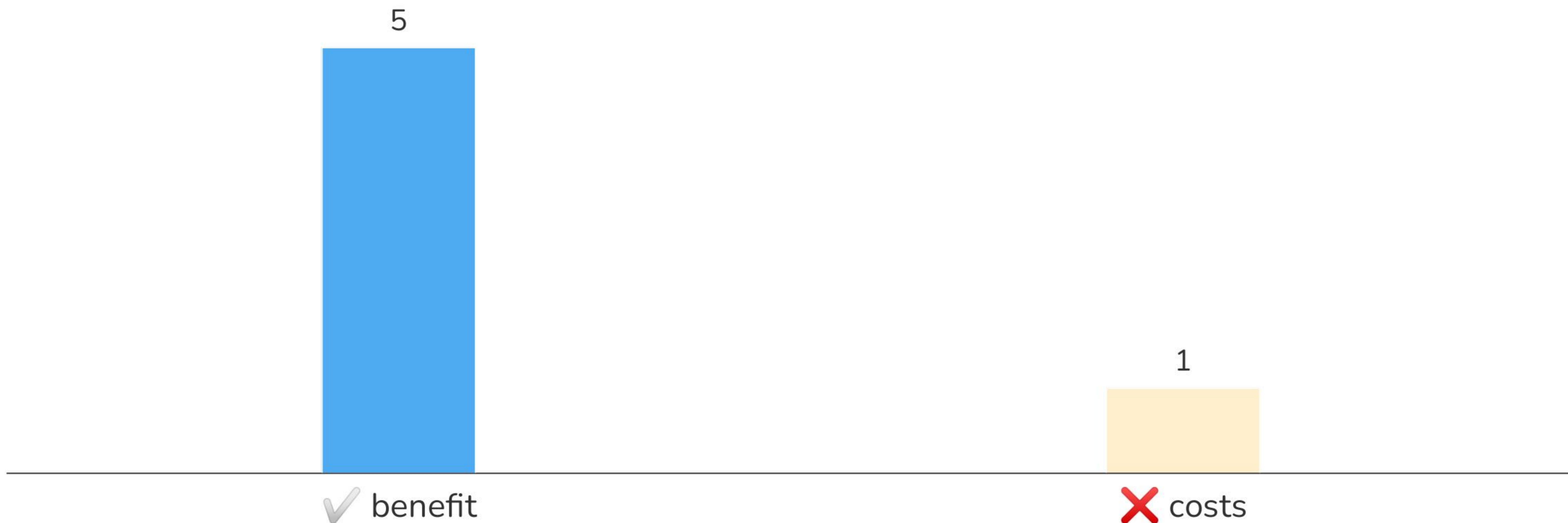
Monitoring

- KPI from Measure phase
- Constant evaluation
- Identify deviations
- Responsibility of process owner

Reaction







- “What needs to be done if ...?”
- Specific instruction for process owner
- Can be for example
 - Quick fix
 - Starting new DMAIC

During *Improve*, solutions should be rated against effort and ...



Leaderboard

11 players

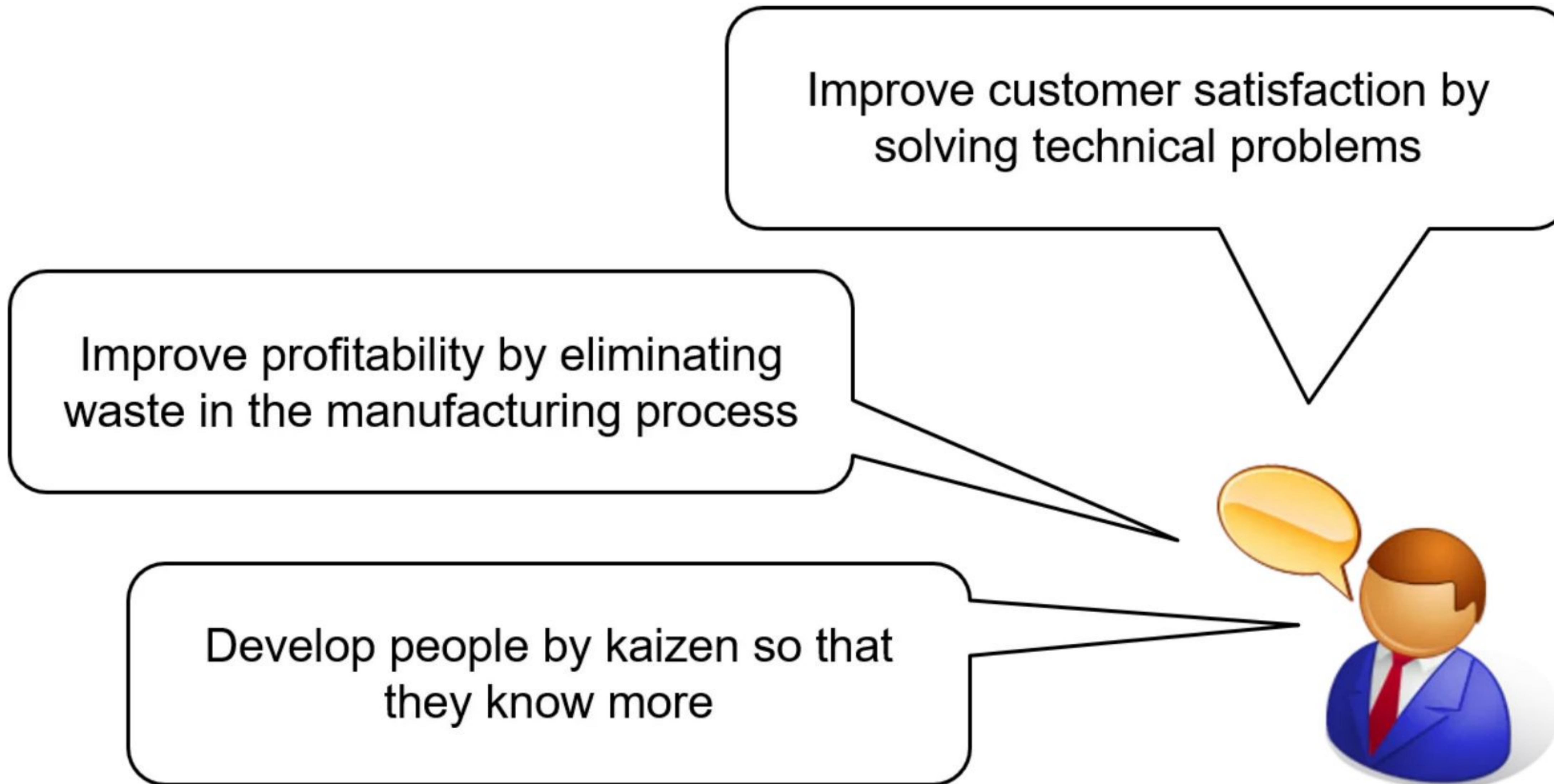
1	 wievielter werde i...	174p +80
1	 Lachs	174p +80
3	 CR7	162p +82
4	 alien	92p +0
5	 taube	88p +88
6	 Ghost	83p +83



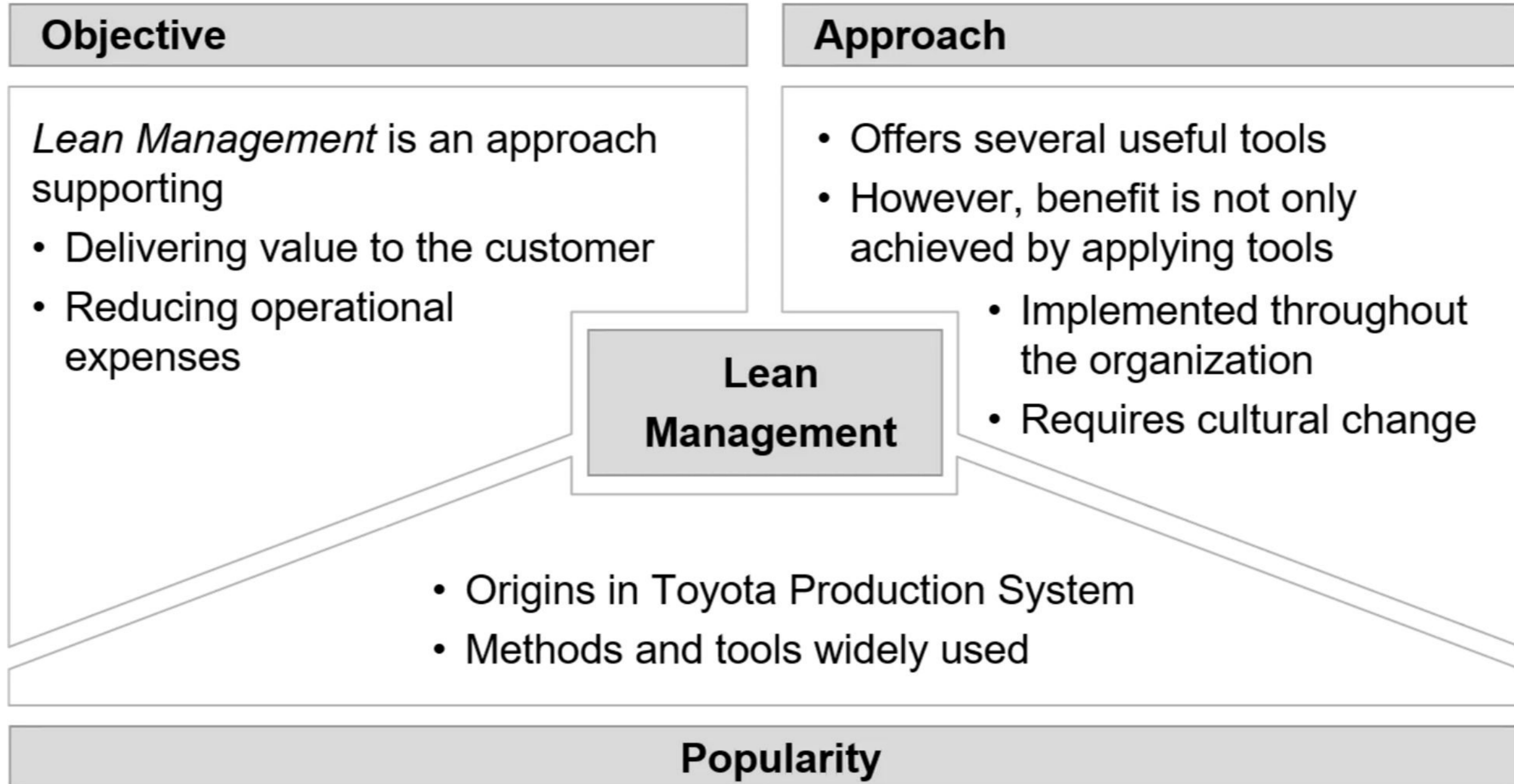
Lean

Selected tools

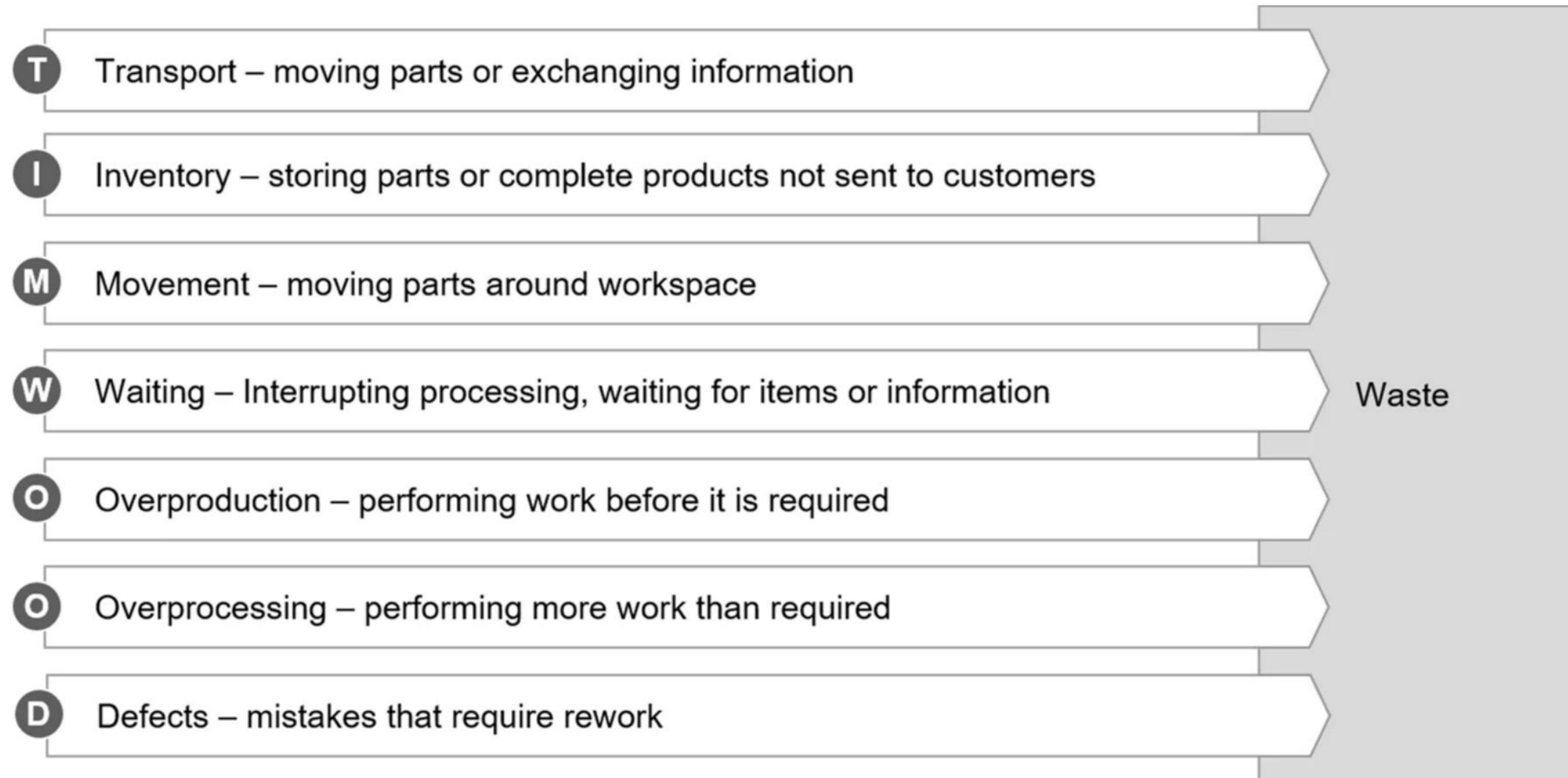
Lean Management: Spirit



Ballé/Ballé: The Lean Manager, 2009, p. 260



Identifying Waste: TIM WOOD



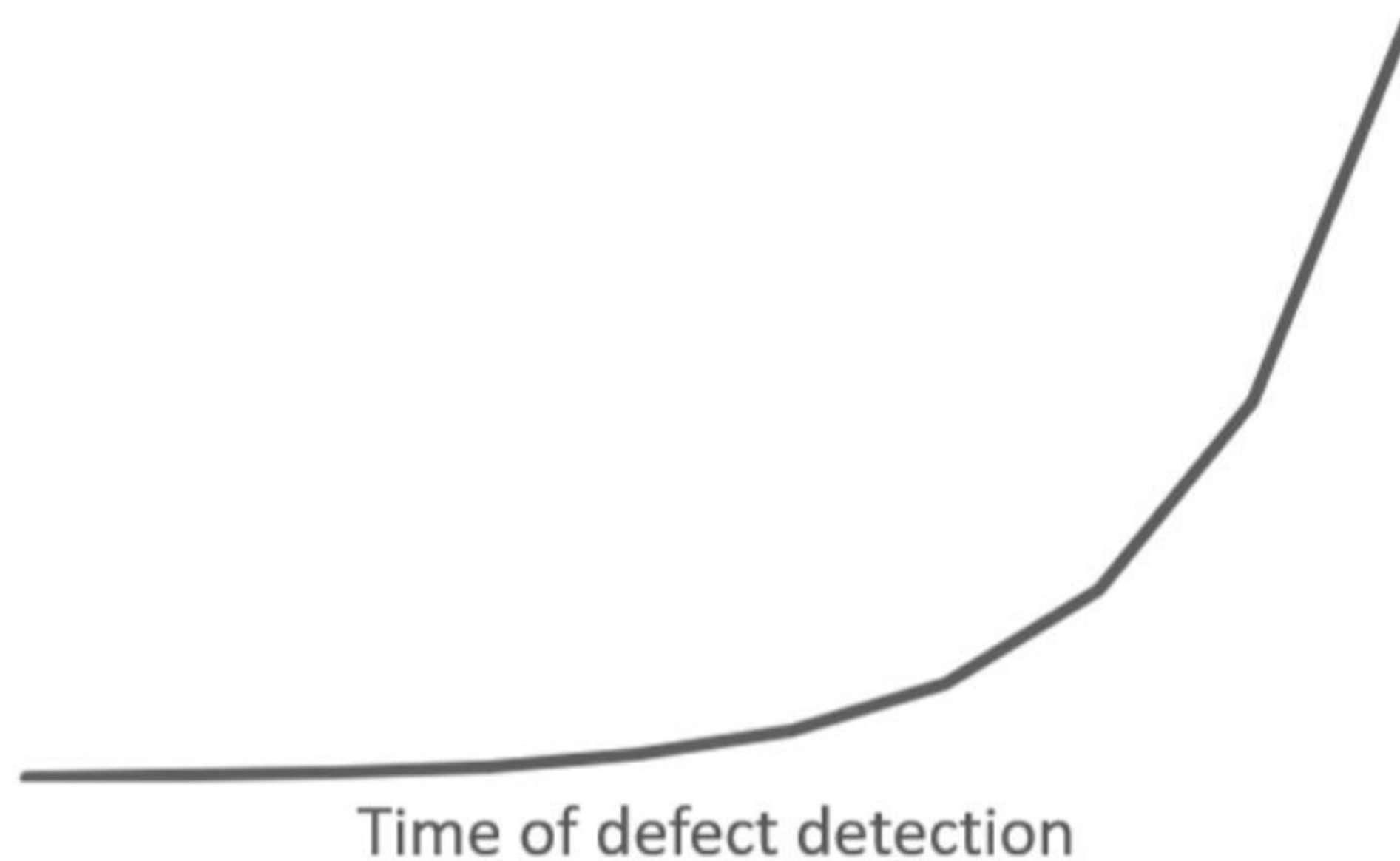
Workspace Organisation: 5S

Sort	<ul style="list-style-type: none">• Remove unnecessary items from workplace• Leave only bare necessities
Set in order	<ul style="list-style-type: none">• Arrange items for easy access• Label items for easy identification
Shine	<ul style="list-style-type: none">• Sweep and clean work area• Helps with inspecting items and work conditions
Standardise	<ul style="list-style-type: none">• Define the normal condition• Define how to correct abnormal conditions
Sustain	<ul style="list-style-type: none">• Implement solutions to prevent workplace issues• Train people with visual management techniques

Poka Yoke

- Also known as “error proofing” or “fool proofing”
- Objective: *Error proof* or *Zero defect*
- Based on root cause analysis for common mistakes

Cost for defect resolution



- Prevent errors
- Design robust processes

- Detect errors as early as possible
- Fix immediately

Gemba Walk & Kaizen

GEMBA

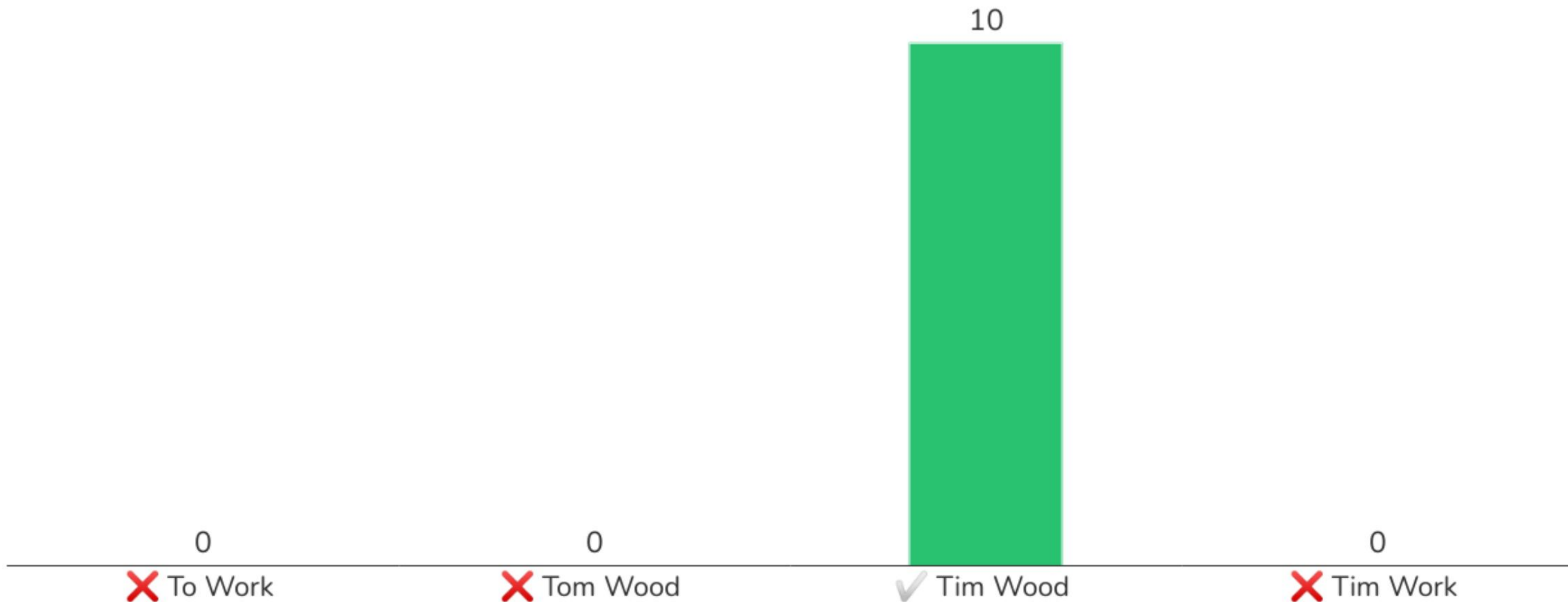
- Japanese: „where the real work takes place“
- Usually: the shop floor
- Value production as the fundament of business and value creation
- Establish culture of management going to the work places

Kaizen

- Japanese: “improvement/change is good”
- Integrated into daily work
- Discuss customer value, quality and waste after management’s GEMBA walk
- Establish a culture for continuous change

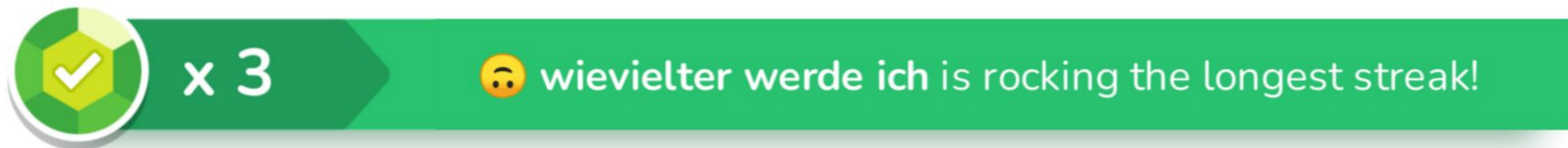
Continuous Improvement

Which phrase helps with identifying waste?



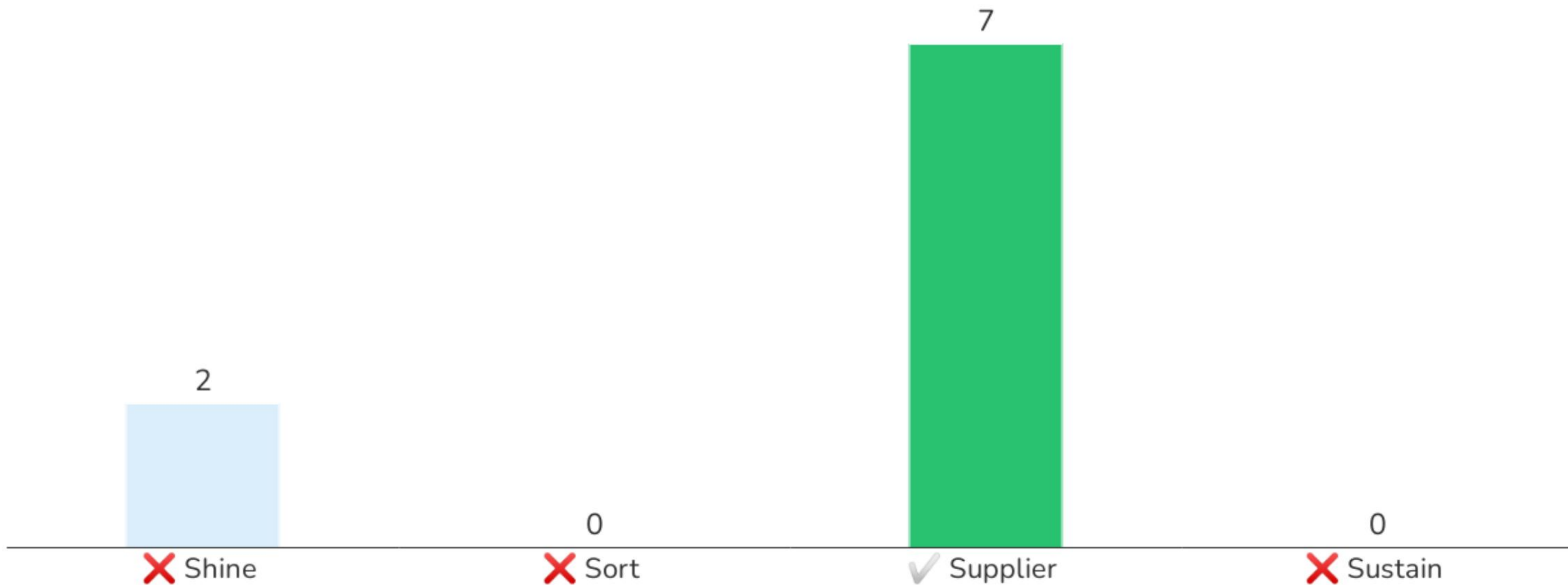
Leaderboard

11 players



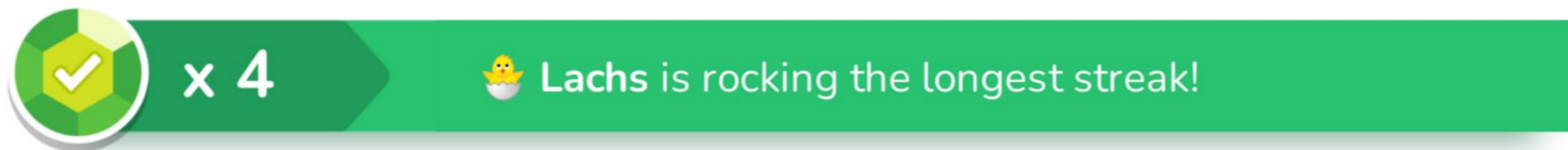
1	wievielter werde i...	264p +90
2	Lachs	263p +89
3	CR7	238p +76
4	taube	178p +90
5	alien	176p +84






Which one does not belong to the 5S?



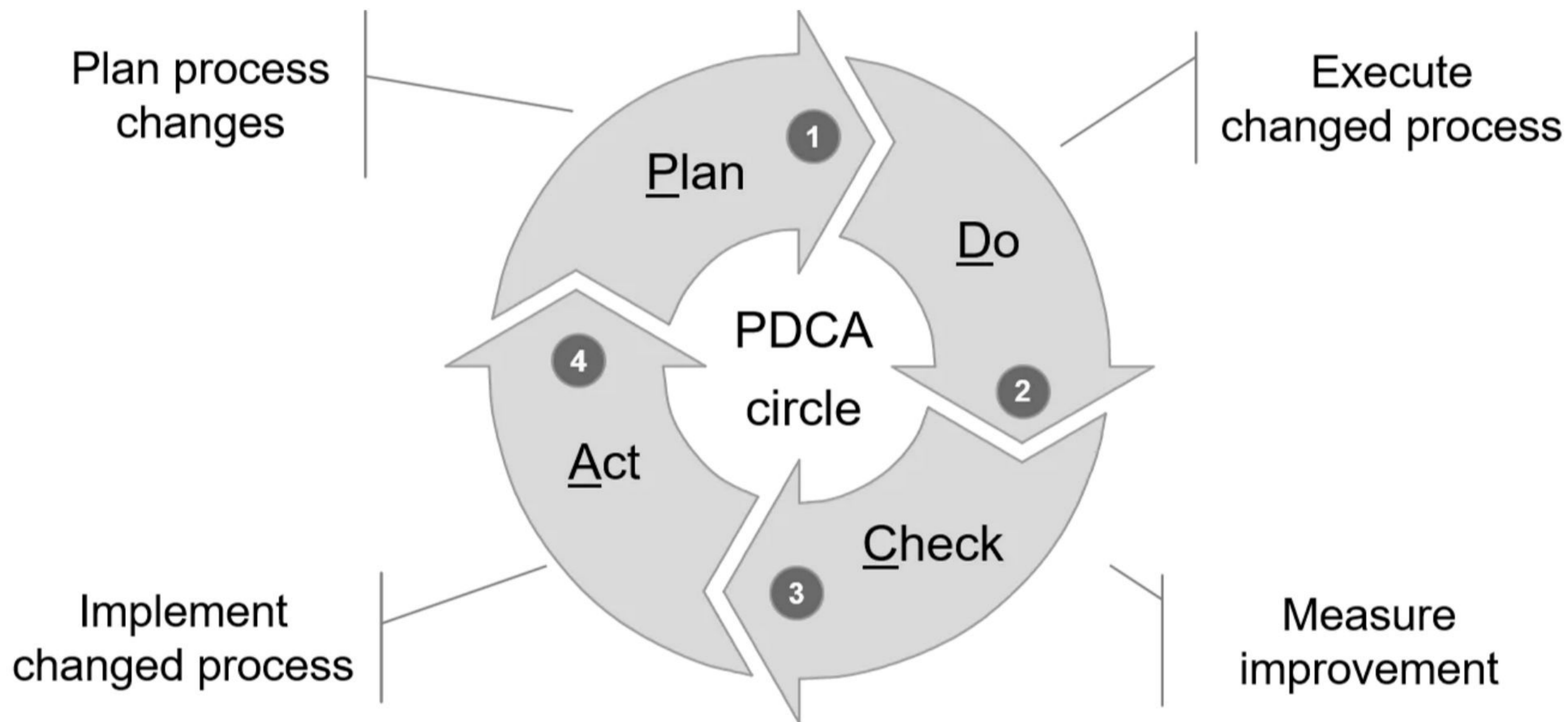
Leaderboard

11 players

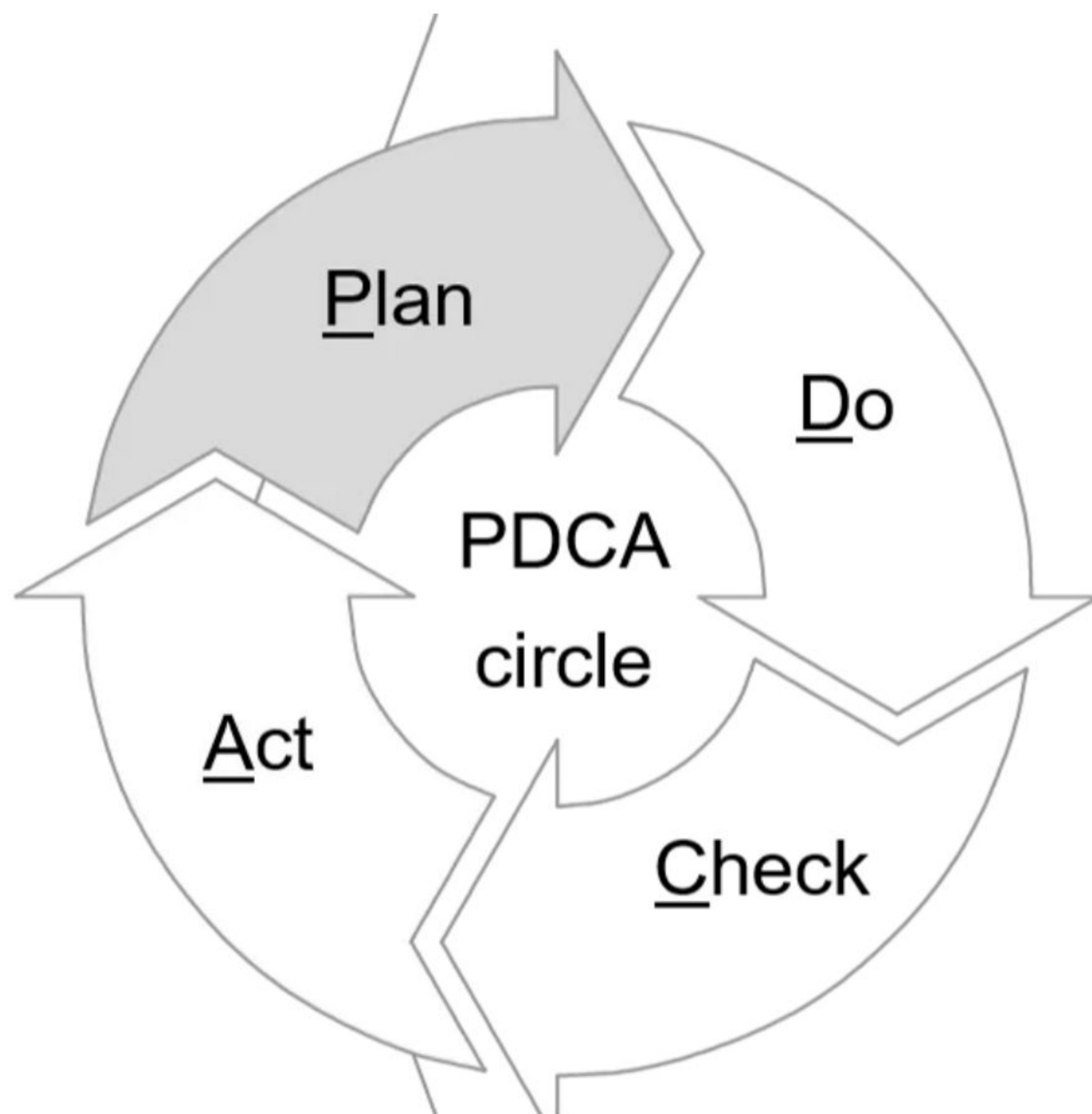


1	 Lachs	353p +90
2	 wievielter werde i...	344p +80
3	 alien	265p +89
4	 taube	264p +86
5	 Ghost	256p +85

Continuous Improvement: PDCA

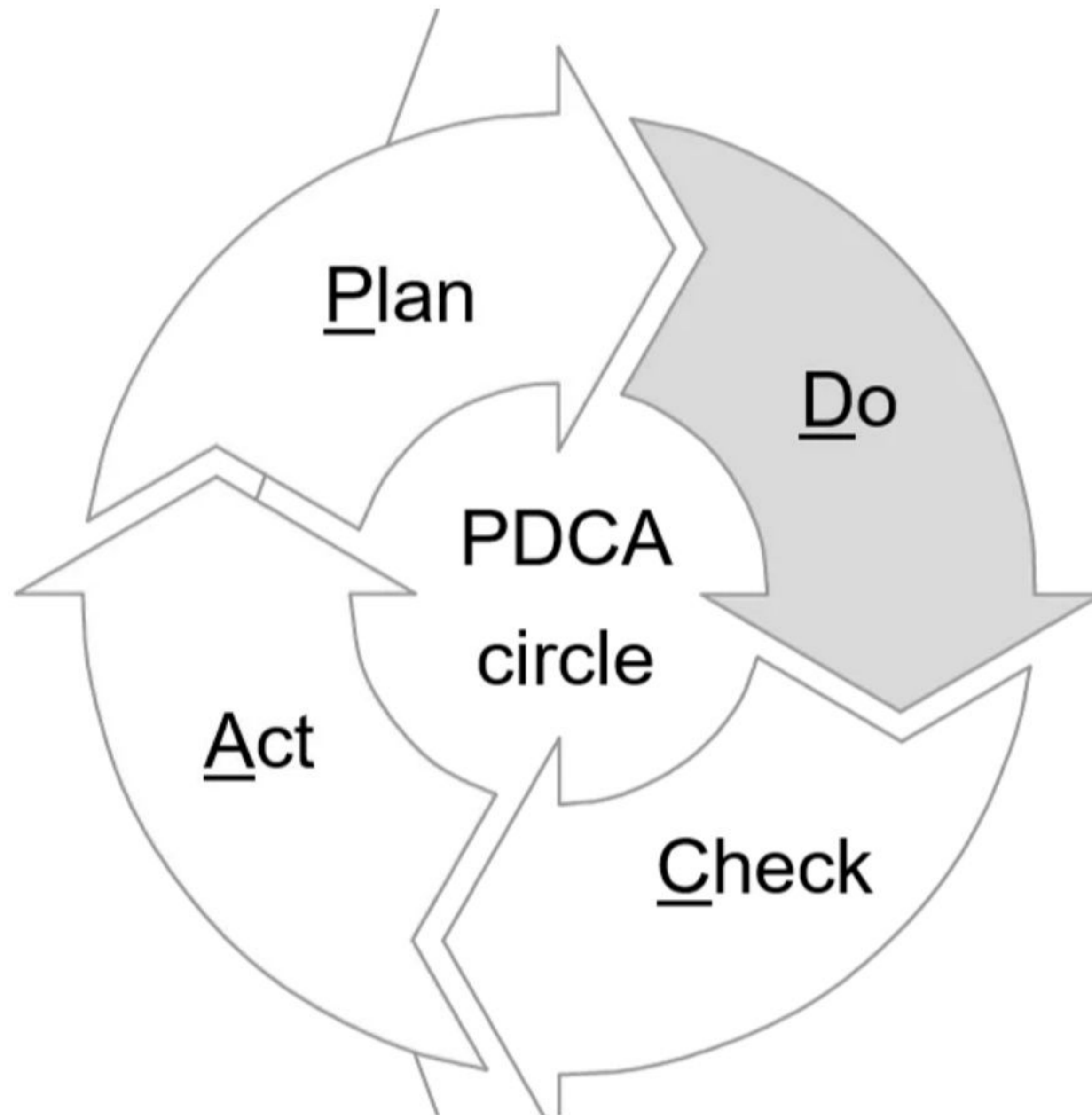


Continuous Improvement: PDCA



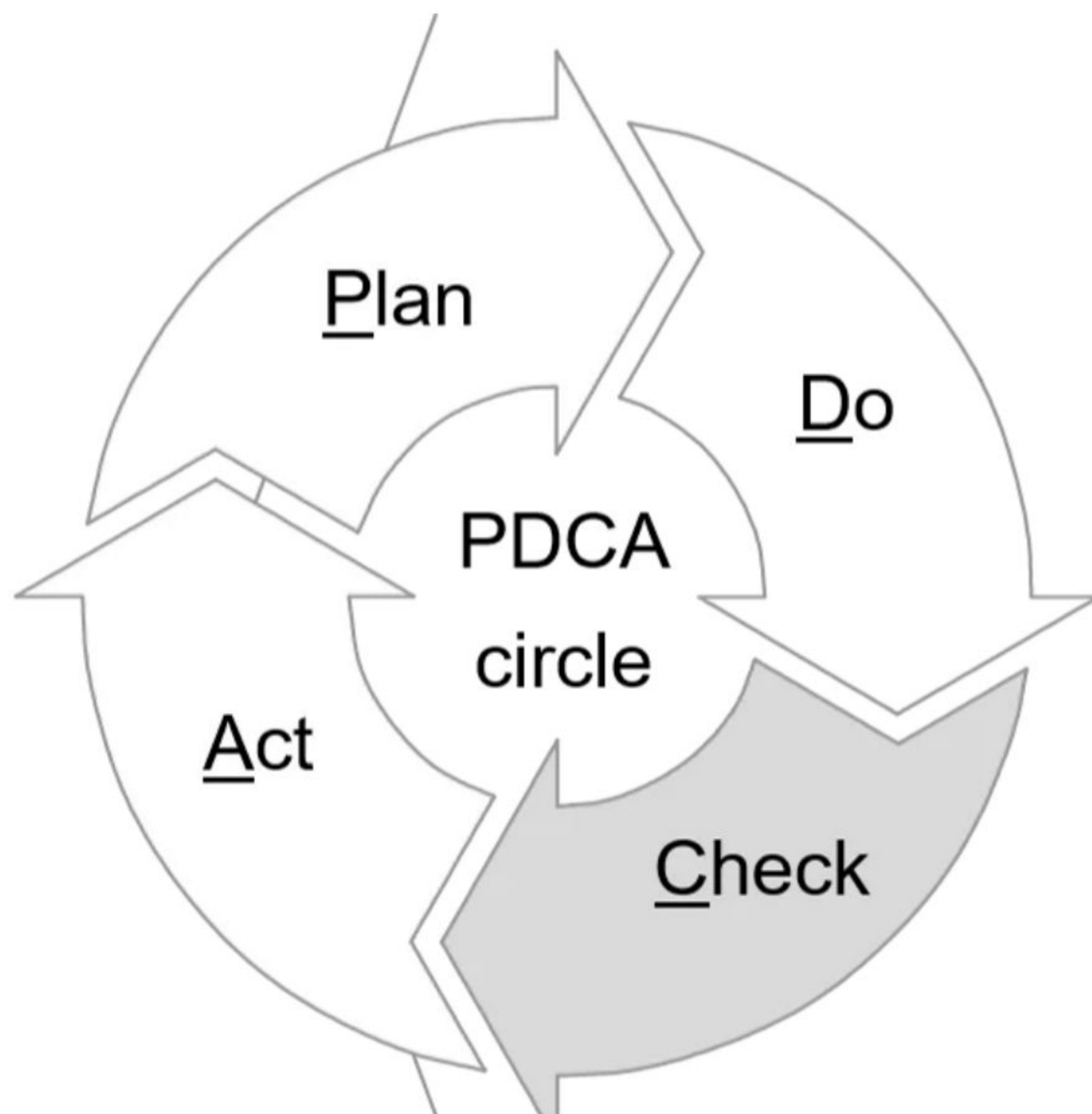
- Recognise improvement potential
- Develop solution
- Determine measurement for improvement
- Plan implementation of solution

Continuous Improvement: PDCA



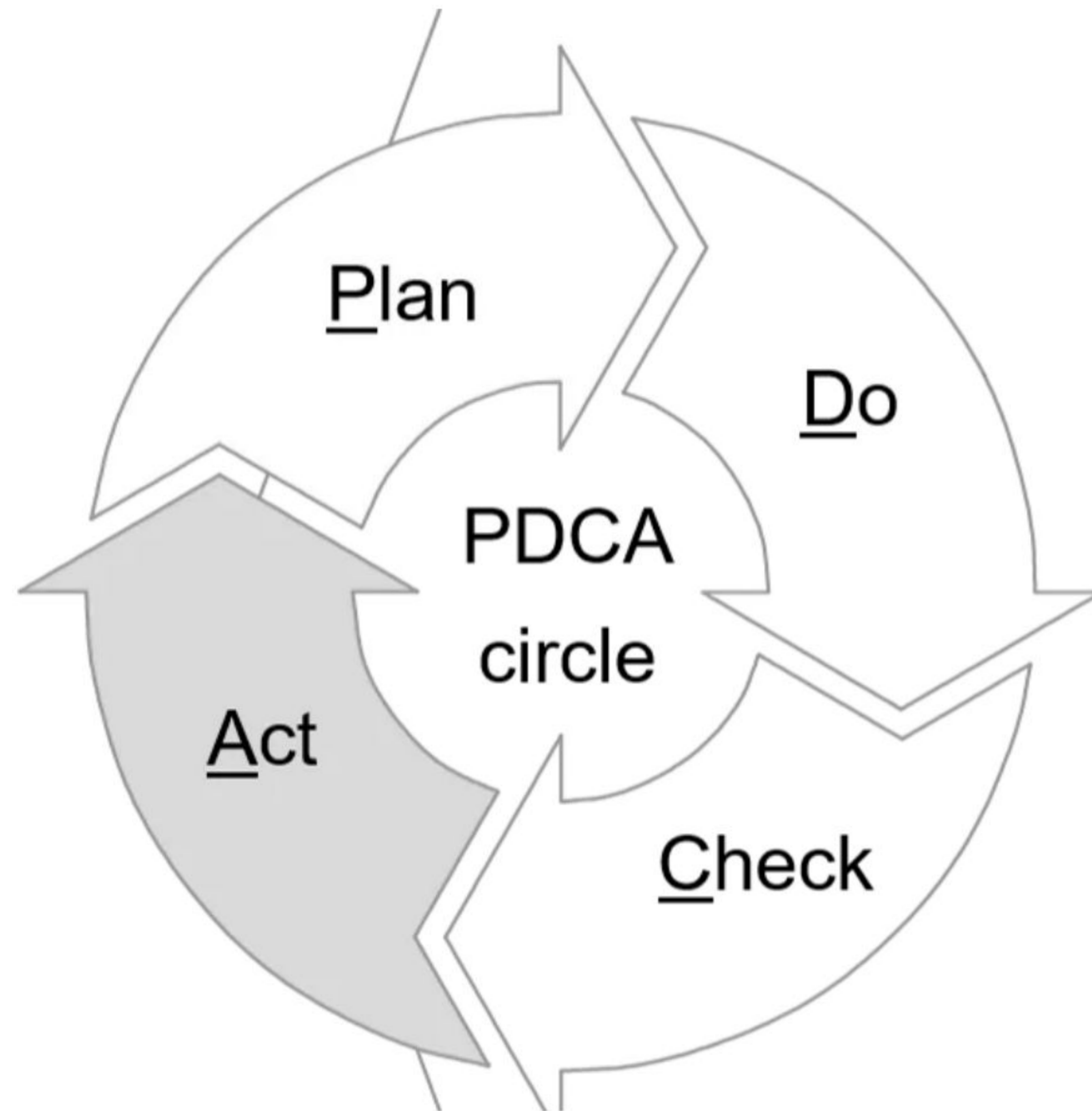
- Perform change as planned
- Execute process (using a sample)
- Record measurements (quality, performance)
- Document further observations (unplanned effects)

Continuous Improvement: PDCA



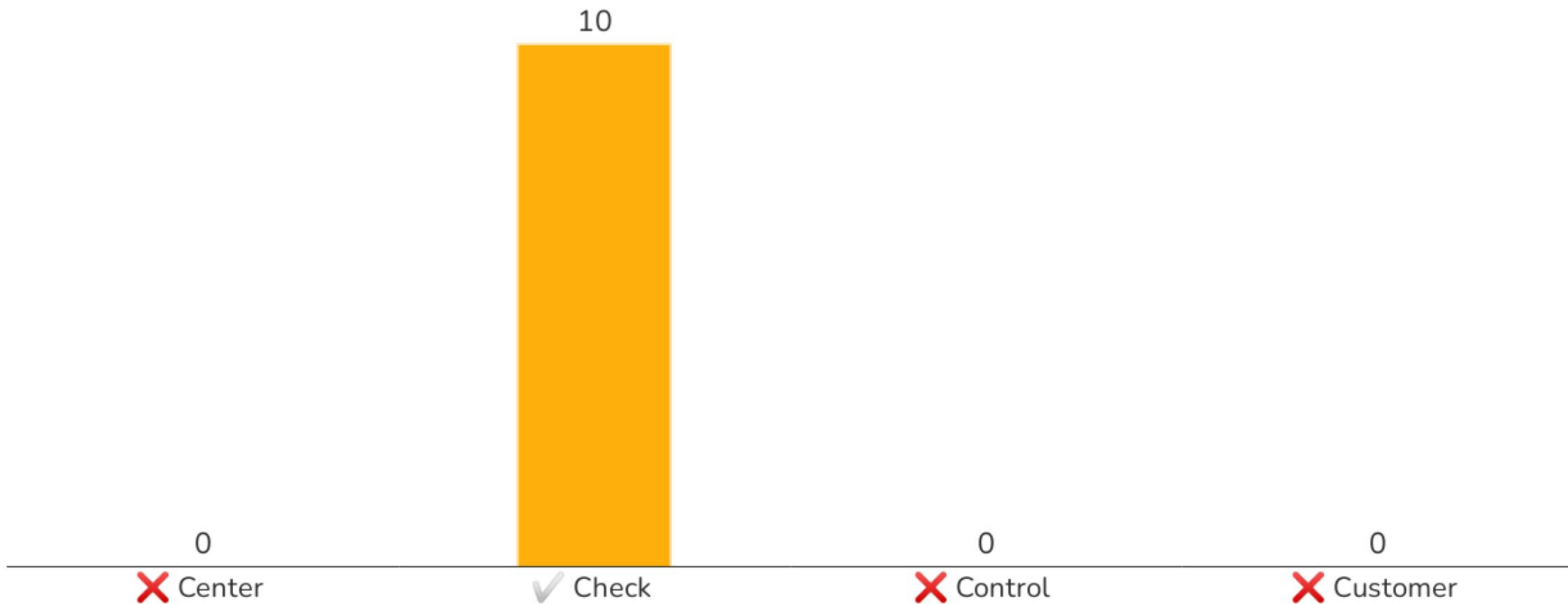
- Evaluate measurements
- Determine improvement
- Decide on next step, e.g.
 - Keep solution: Act
 - Abandon solution: Stop PDCA
 - Adjust solution: New PDCA

Continuous Improvement: PDCA





- Finalise change
- Continue work with improvement
- Constantly observe performance/quality






The letter *C* in *PDCA* stands for ...



Leaderboard

11 players


x 5
 wievielter werde ich is rocking the longest streak!

1	 wievielter werde i...	437p +93
1	 Lachs	437p +84
3	 alien	356p +91
4	 taube	355p +91
5	 CR7	331p +93

Plan 1

Check 2

Do 3

Act 4

D Plan process change

B Measure improvement

C Test changed procass

A Act with new process

Leaderboard

11 players



x 6

🗨️ wievielter werde ich holds the longest streak record!



wievielter werde ich

1	🗨️ wievielter werde i...	503p +66
2	🐣 Lachs	479p +42
3	🐔 taube 503 points	436p +81
4	🐕 CR7	416p +85
5	👽 alien	393p +37

Where we are in the lecture.



Introduction

- Digital Transformation and Process Management
- Strategy and Management
- Strategic Process Management

Describe

- Describing business processes
- Business process models and documentation

Measure

- Quality management and business processes
- Key Performance Indicators

Analyse

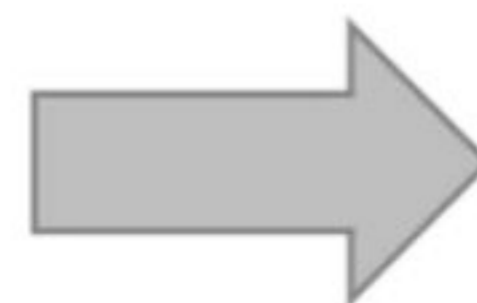
- Methods and tools for analyzing processes
- Improving business processes

Change

- Managing process changes
- Changes in an organisation

Sustain

- Implement corporate process management
- BPM Centre-of-Excellence



Questions and Answers

Top questions (3)

Pinned

Newest

Oldest

Answered

 taube a day ago

1 

Ist nächste Woche nur offline? Wenn ja, kann die Besprechung zum 2. Assignment noch online erfolgen?

 Anonymous a day ago

1 

Wann können wir voraussichtlichen Termin für die mündliche Prüfung erfahren?

 Anonymous a day ago

1 

Für den 2.Assignment dürfen wir 12 Seiten überschreiten?