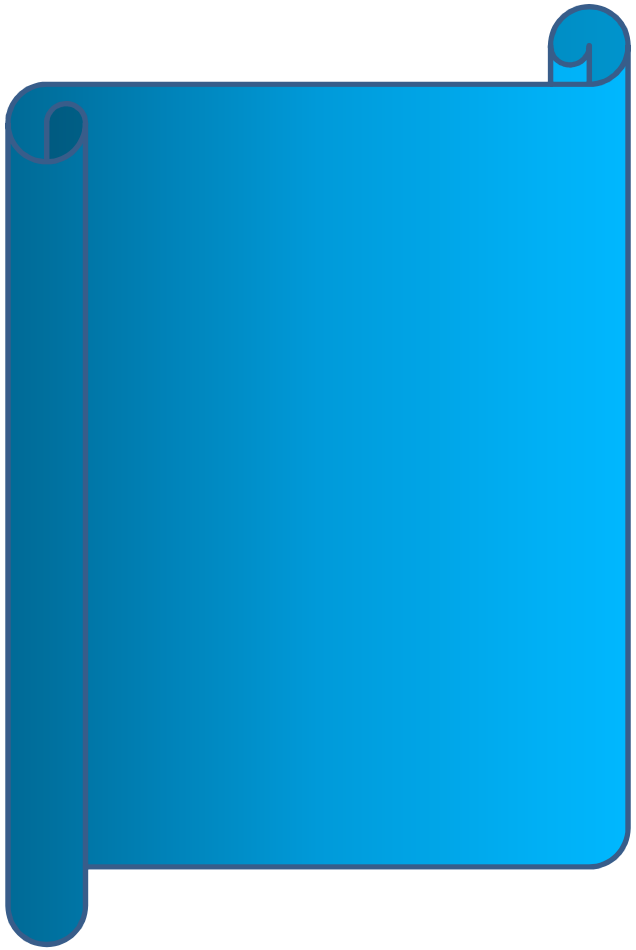
Visualisierung – Rechtsinformatik
Friedrich Lachmayer - Harald Hoffmann – Vytautas Čyras

Program Transparency for Legal Machines

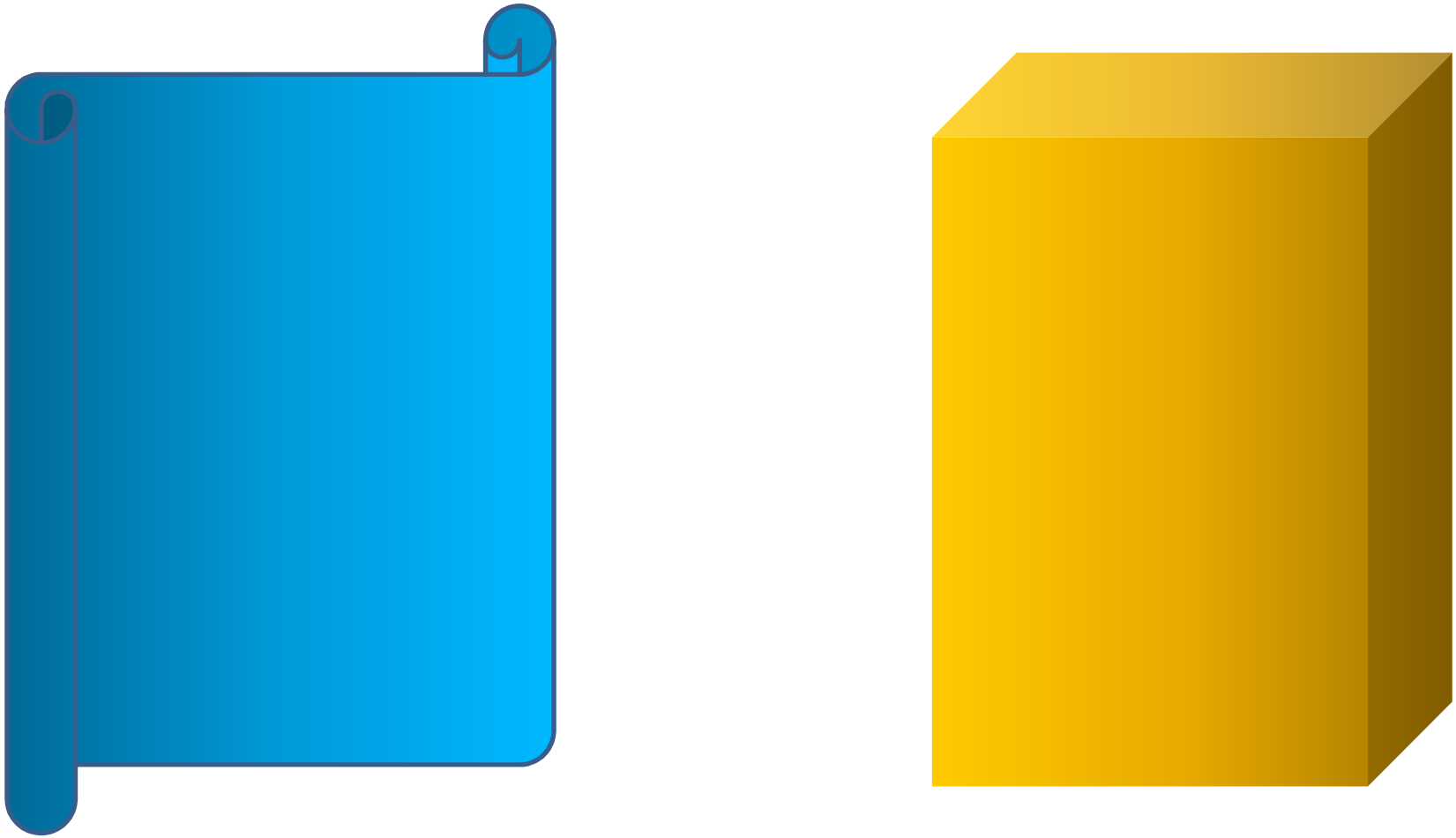
http://jusletter-eu.weblaw.ch/ → *Visualisierung*
www.legalvisualization.com → *Visualization* → *Legal Informatics*

Changeover



Text culture

Changeover



Technical changeover ‘legal text’→ ‘program’

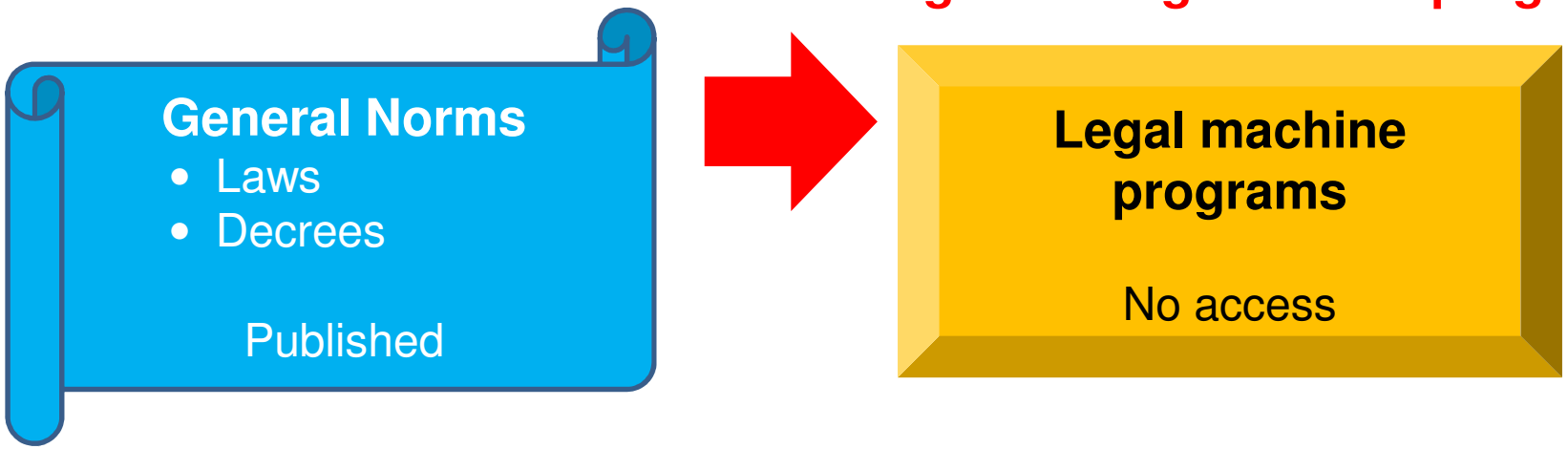
General Norms

- Laws
- Decrees

Published

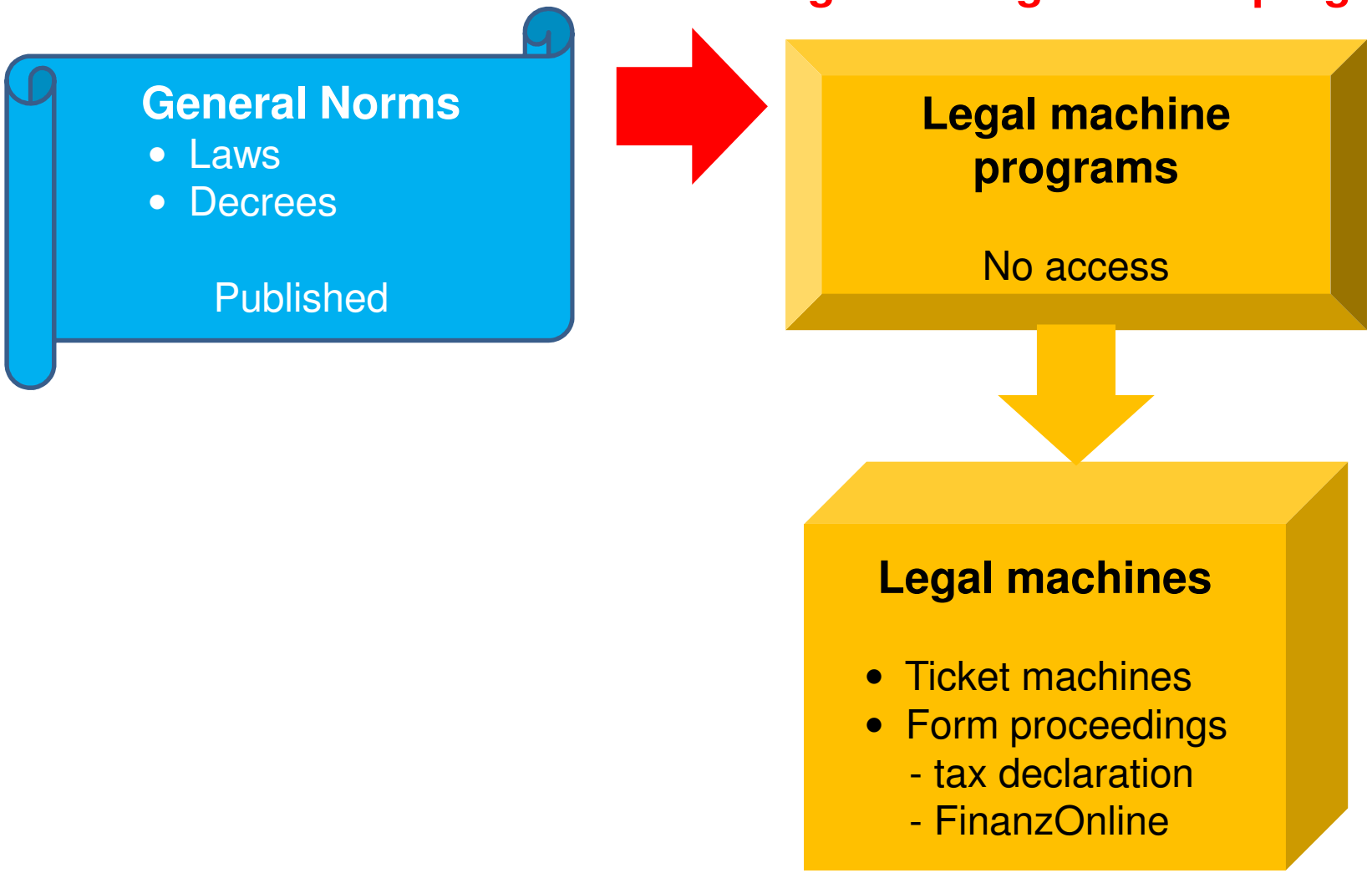
Text culture → **Machine culture**

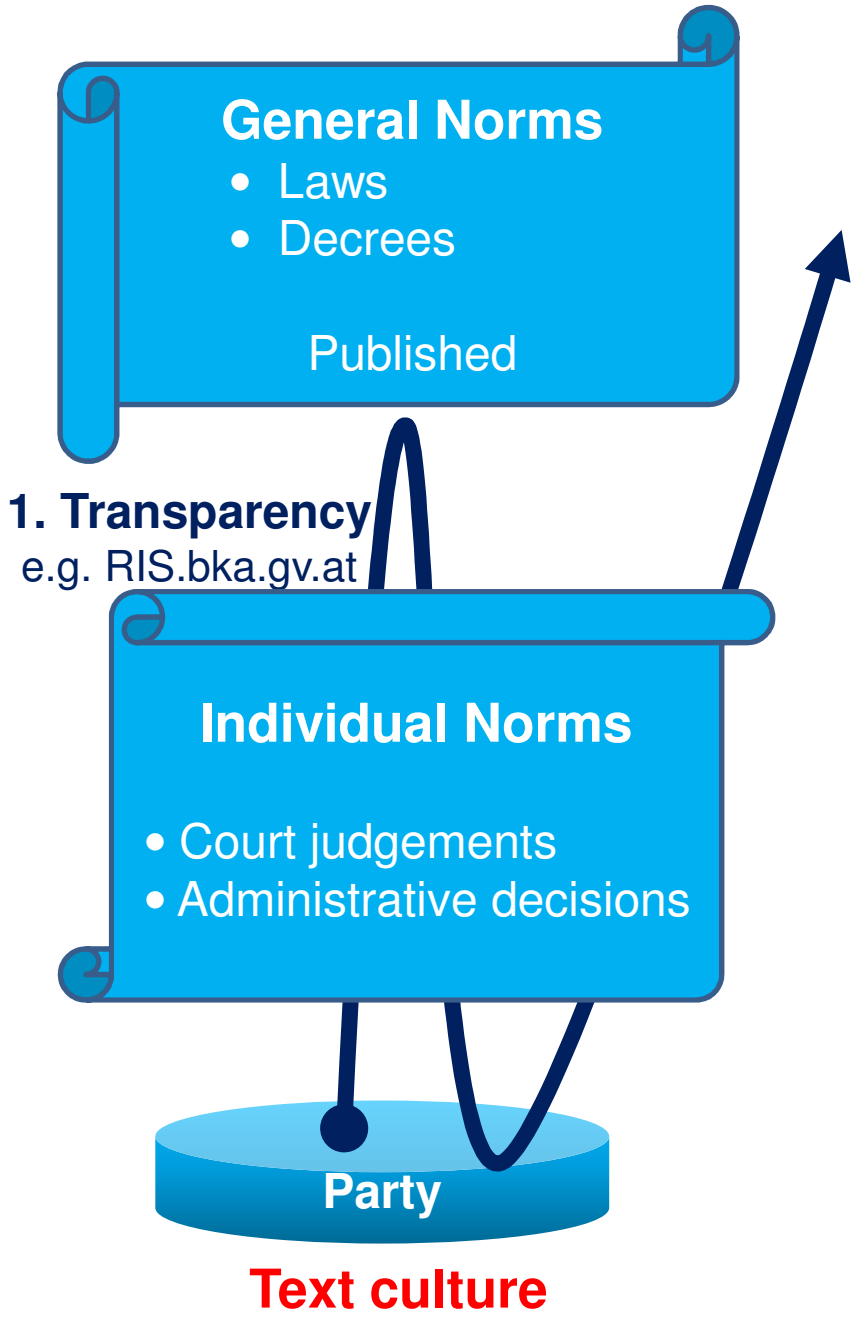
Technical changeover 'legal text'→ 'program'

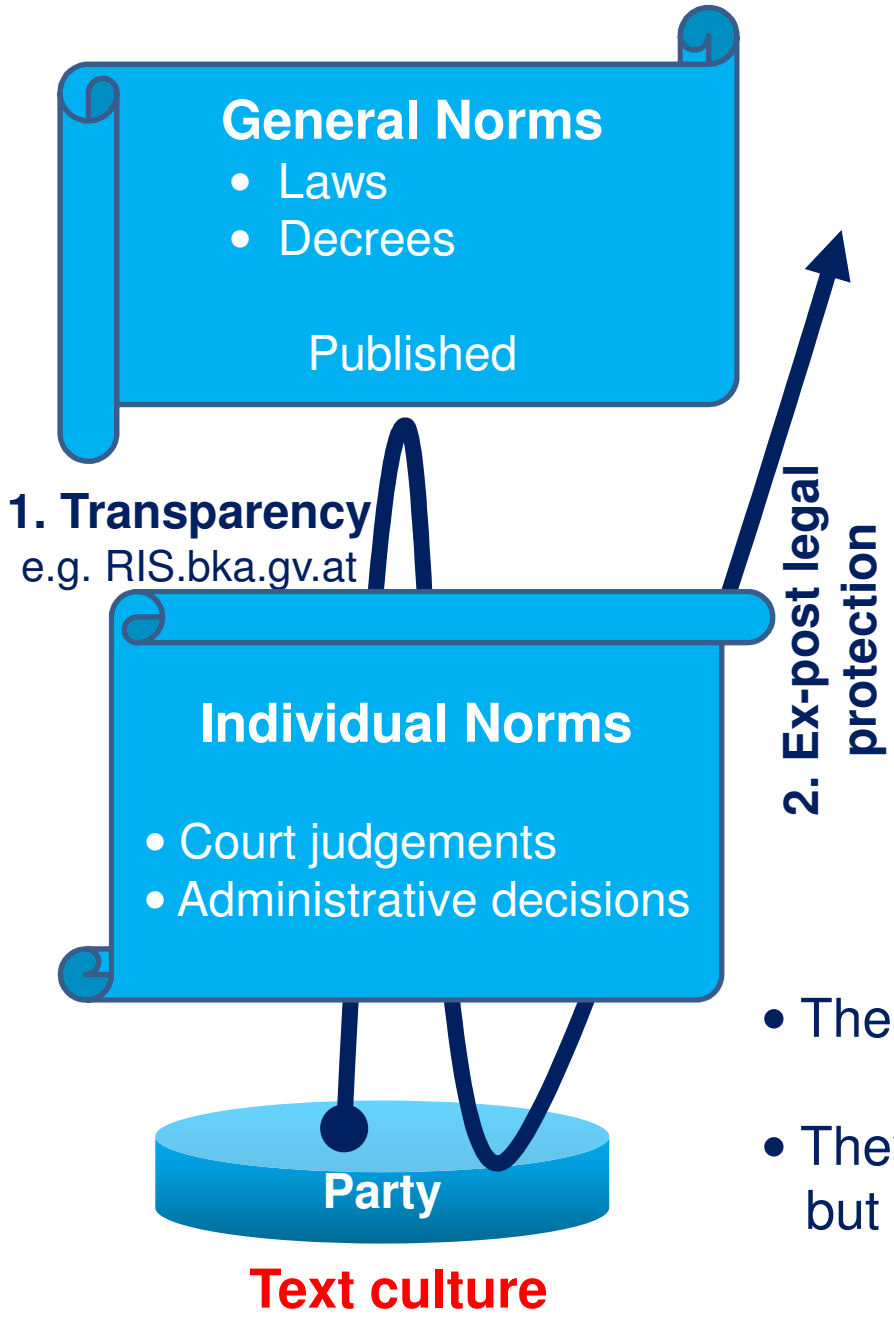


Text culture → **Machine culture**

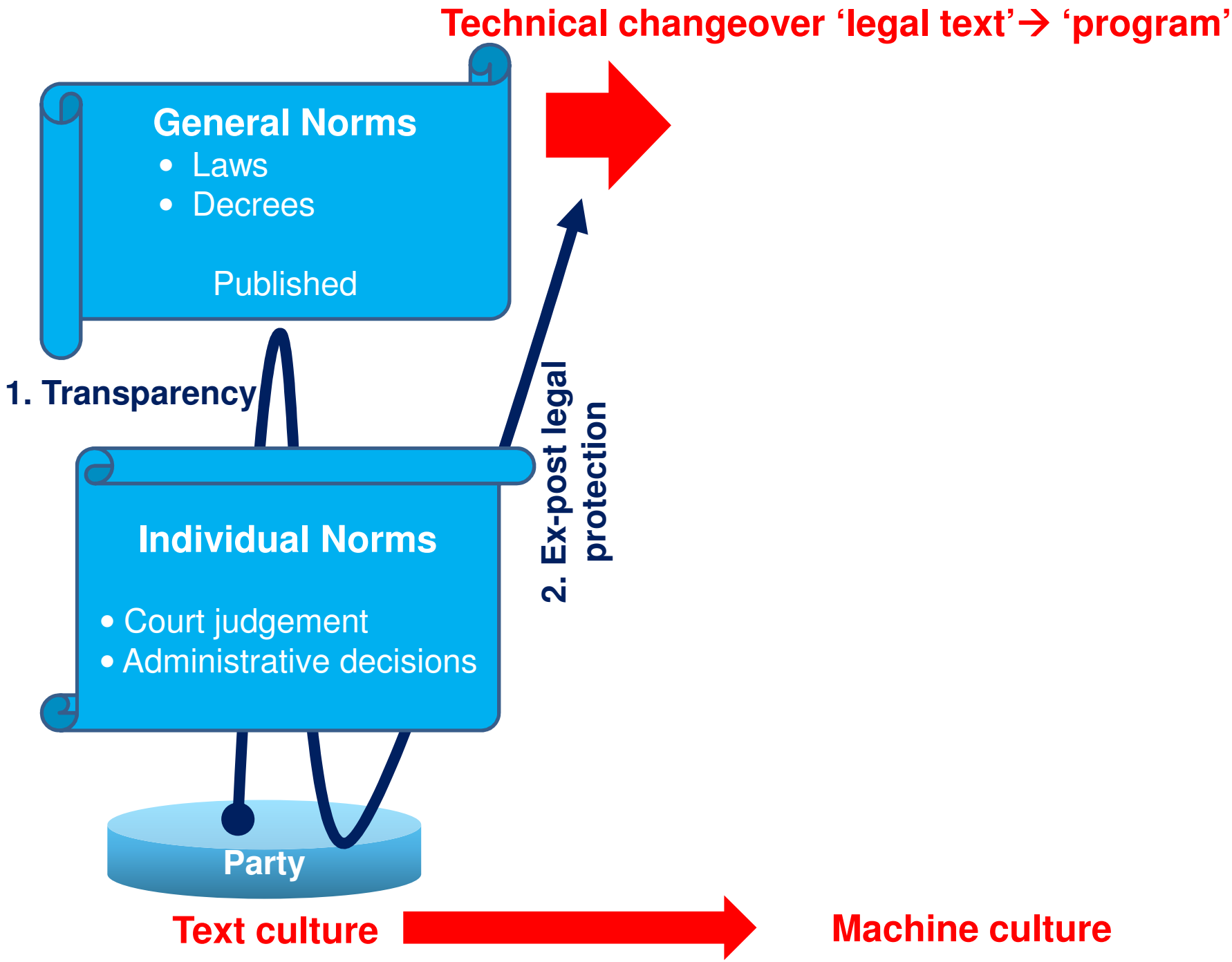
Technical changeover 'legal text'→ 'program'

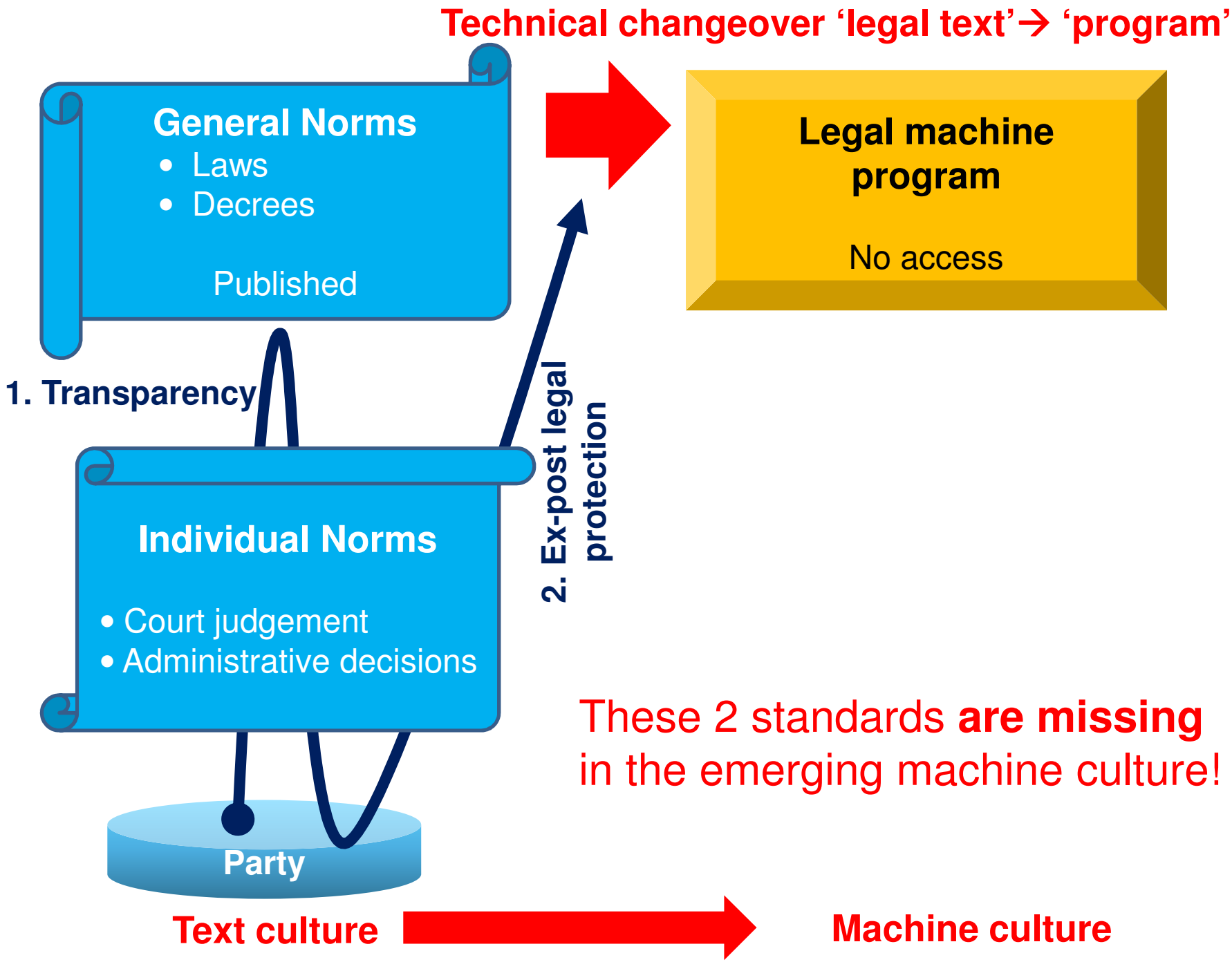



General Norms
• Laws
• Decrees
Published
1. Transparency
e.g. RIS.bka.gv.at
Individual Norms
• Court judgements
• Administrative decisions
Party
Text culture



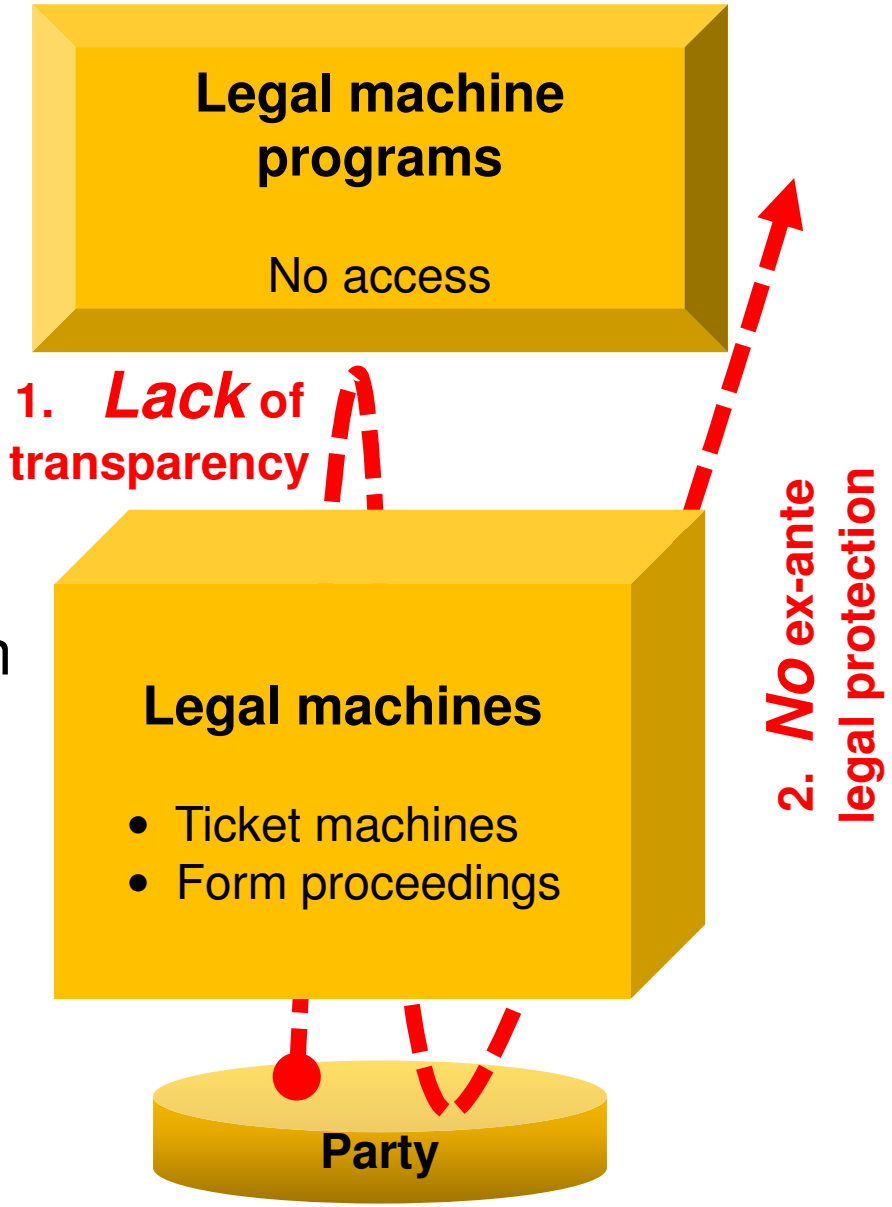
- These 2 means were not from the beginning.
- They were trained in the course of time, but now come as a standard.


Technical changeover ‘legal text’→ ‘program’
General Norms
• Laws
• Decrees
Published
1. Transparency
2. Ex-post legal protection
Individual Norms
• Court judgement
• Administrative decisions
Party
Text culture
Machine culture


Technical changeover ‘legal text’→ ‘program’
General Norms
• Laws
• Decrees
Published
Legal machine program
No access
1. Transparency
2. Ex-post legal protection
Individual Norms
• Court judgement
• Administrative decisions
Party
These 2 standards are missing in the emerging machine culture!
Text culture
Machine culture

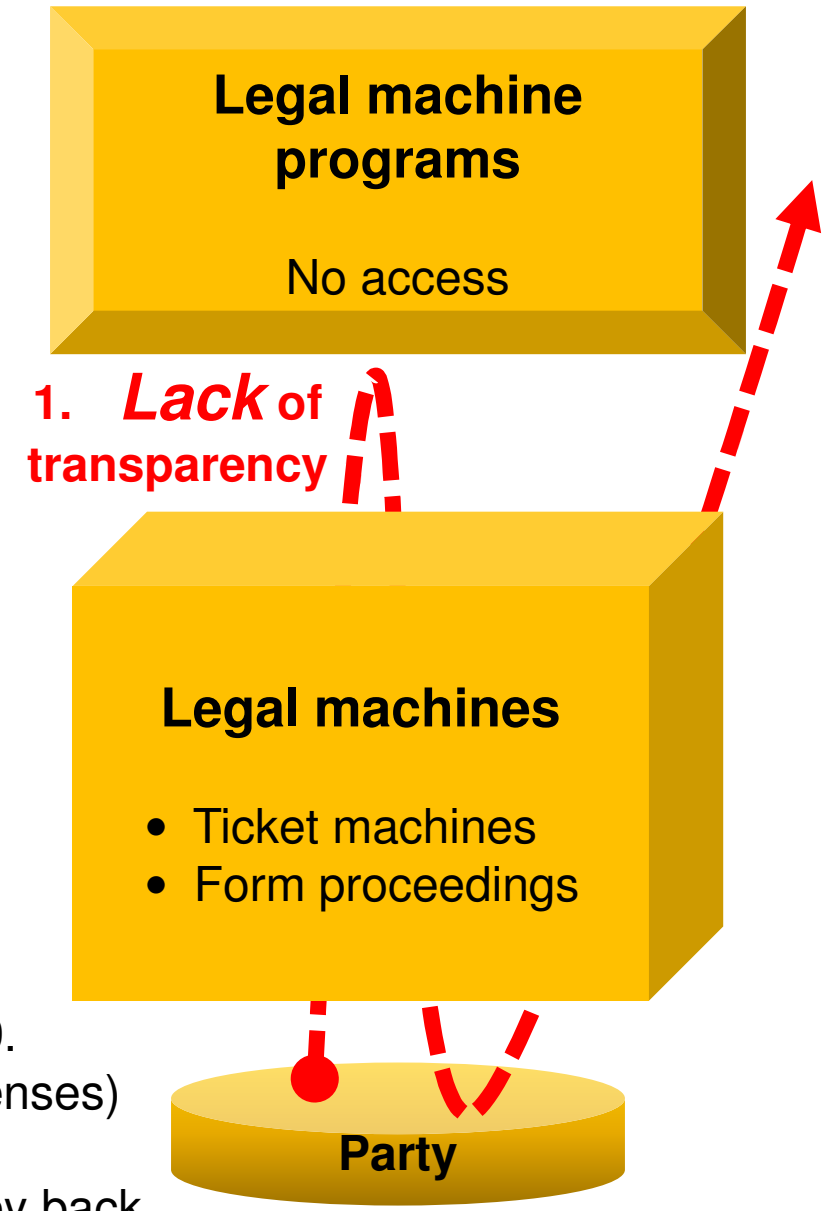
We address these 2 standards in the emerging machine culture:

1. transparency
2. ex-ante legal protection



Requirement 1:

Programs shall be accessible at least architecturally



Example1. The law provides 10 variations
but the program contains only 9.
(e.g. declaration of travel expenses)

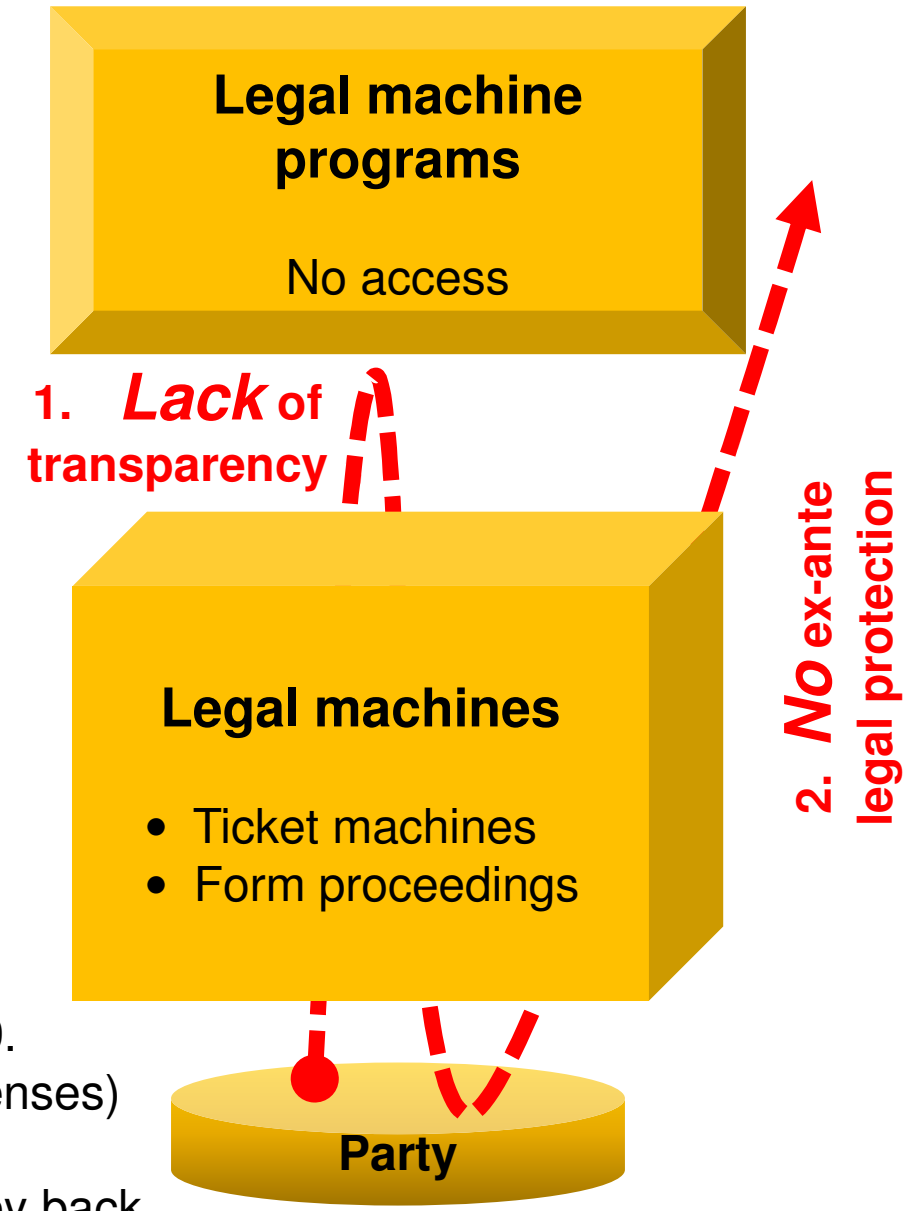
Example 2. A ticket machine gives no money back.

Requirement 1:

Programs shall be accessible at least architecturally

Requirement 2:

Programs shall provide a trained, effective and rapid legal protection



Example1. The law provides 10 variations
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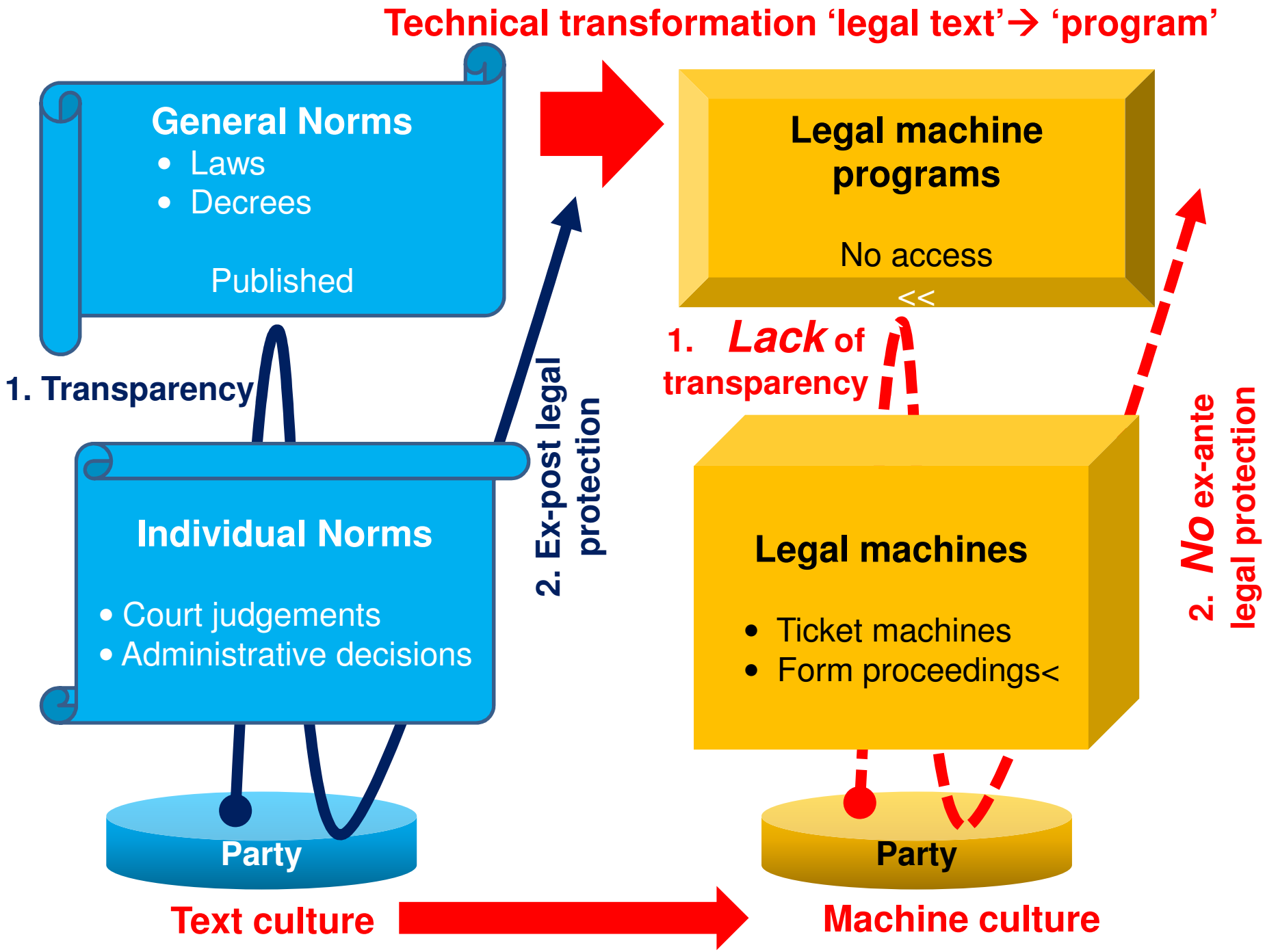
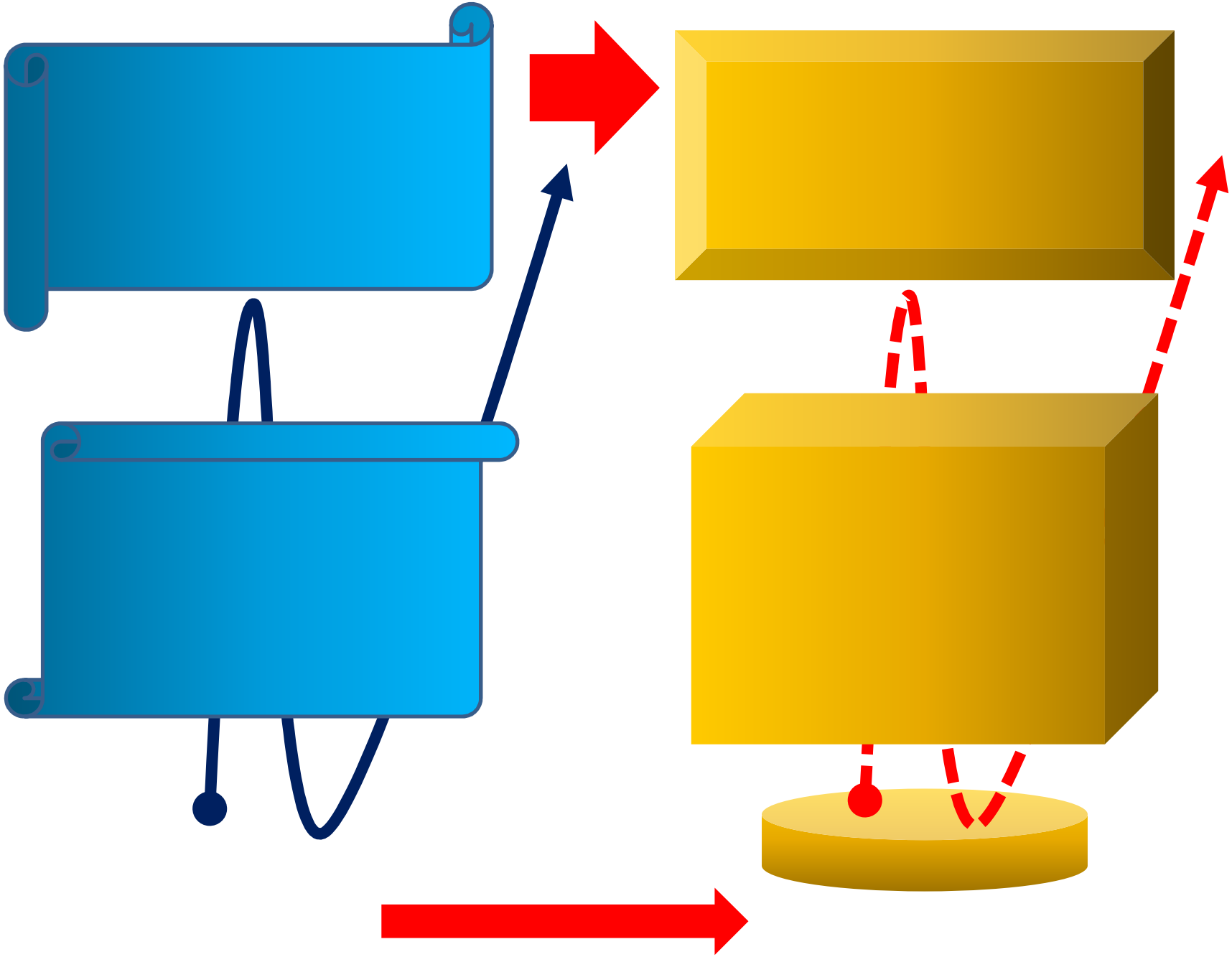
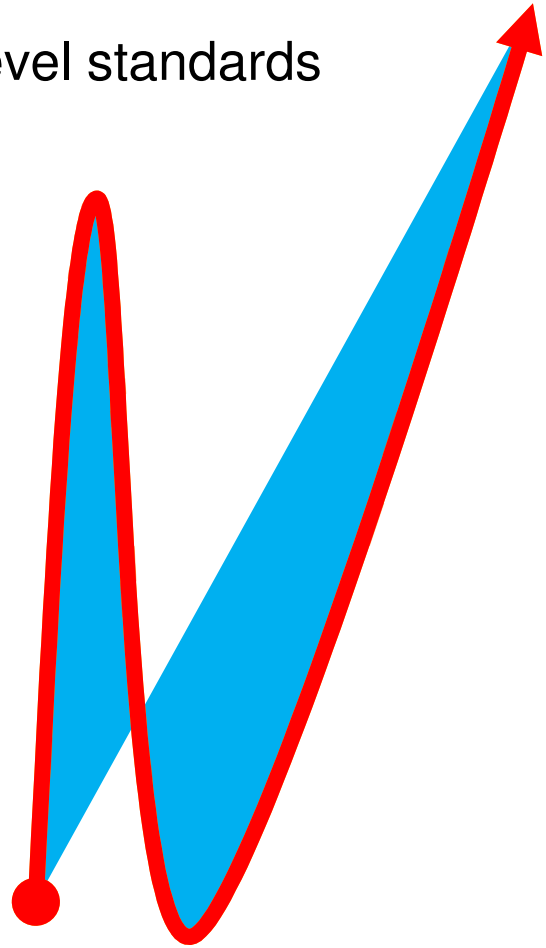
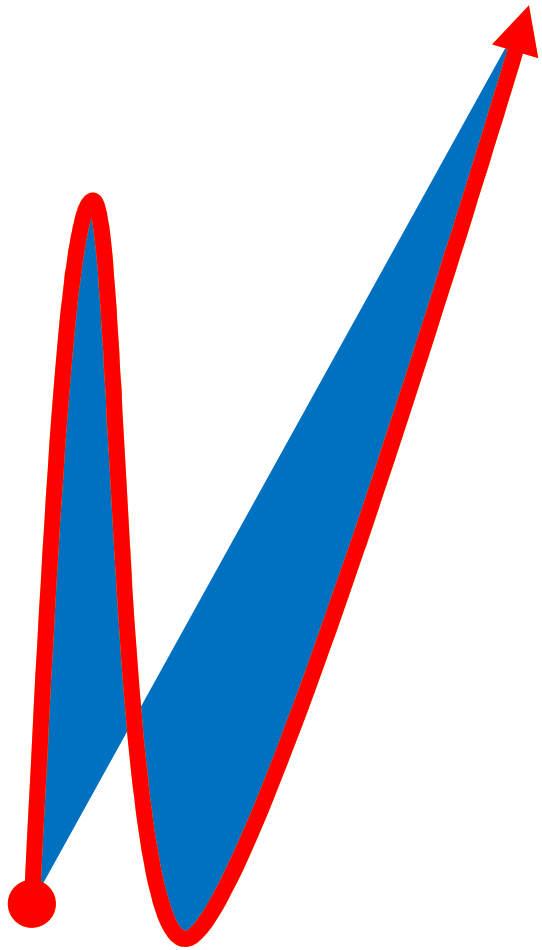
Example 2. A ticket machine gives no money back.


Technical transformation 'legal text'→ 'program'
General Norms
• Laws
• Decrees
Published
1. Transparency
Individual Norms
• Court judgements
• Administrative decisions
Party
2. Ex-post legal protection
Legal machine programs
No access
<<
1. Lack of transparency
Legal machines
• Ticket machines
• Form proceedings<
2. No ex-ante legal protection
Party
Text culture
Machine culture



Goal

Transparency and legal protection in text culture and machine culture

- Equal level standards