

A GENESIS OF THINKING

IN MODERN BUSINESS ENGINEERING AND ANCIENT PHILOSOPHY



METASONIC



Stephan Sneed, Consultant Metasonic AG

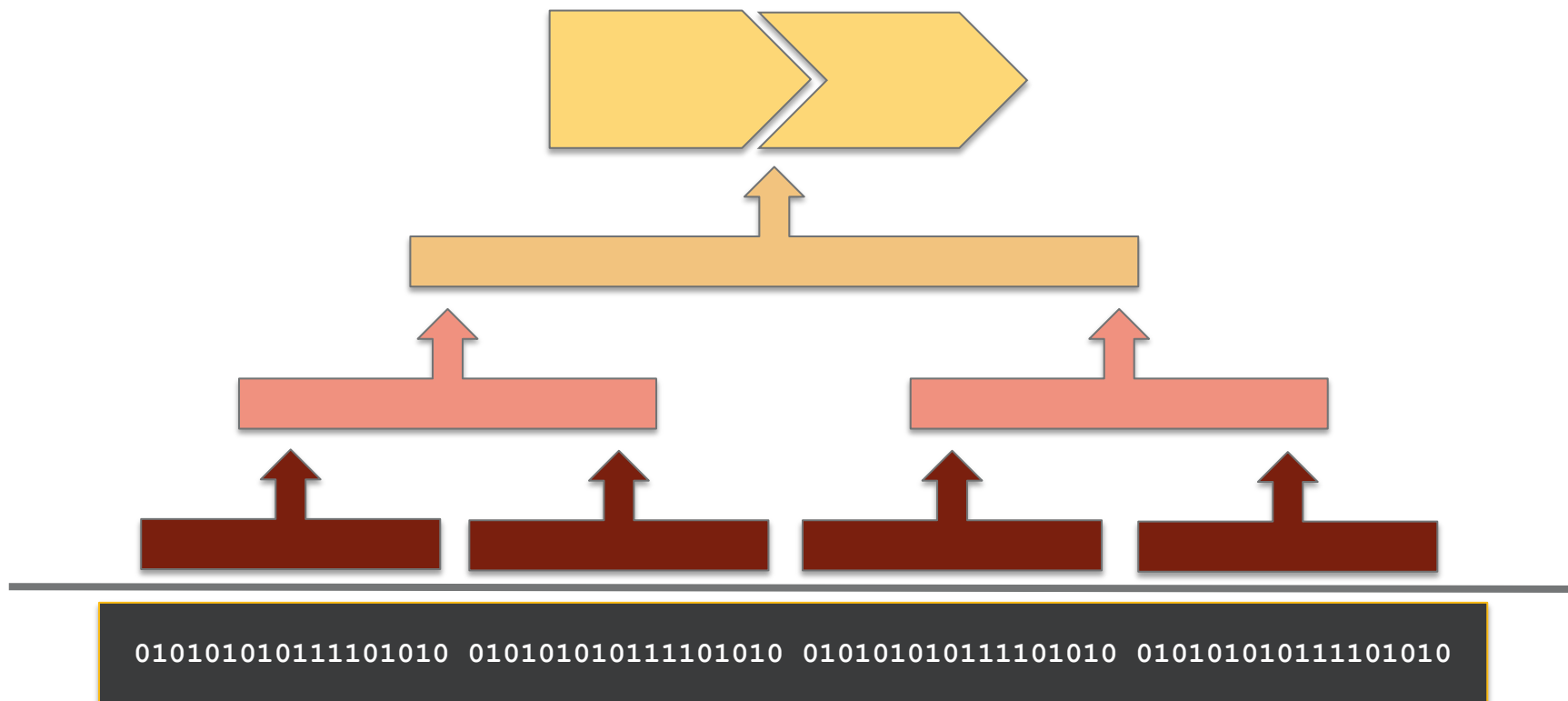
PARMENIDES AND THE HIERARCHICAL APPROACH

It is the same thing that can be thought and that is.



METASONIC

Model



Reality

SUAMMARY OF THE HIERARCHICAL APPROACH

(BU): Models of the Hierarchical Approach are constructed using mappings to abstract from lower to higher level by a bottom-up approach.

(KAI): In order to do so, each single (logical) instruction must be defined within the model and hence one must know all instructions before being able to create a model.

(EX): Because of the strict bottom up approach using abstraction to create executable higher order sets out of lower order executable instructions, the system itself will be executable.

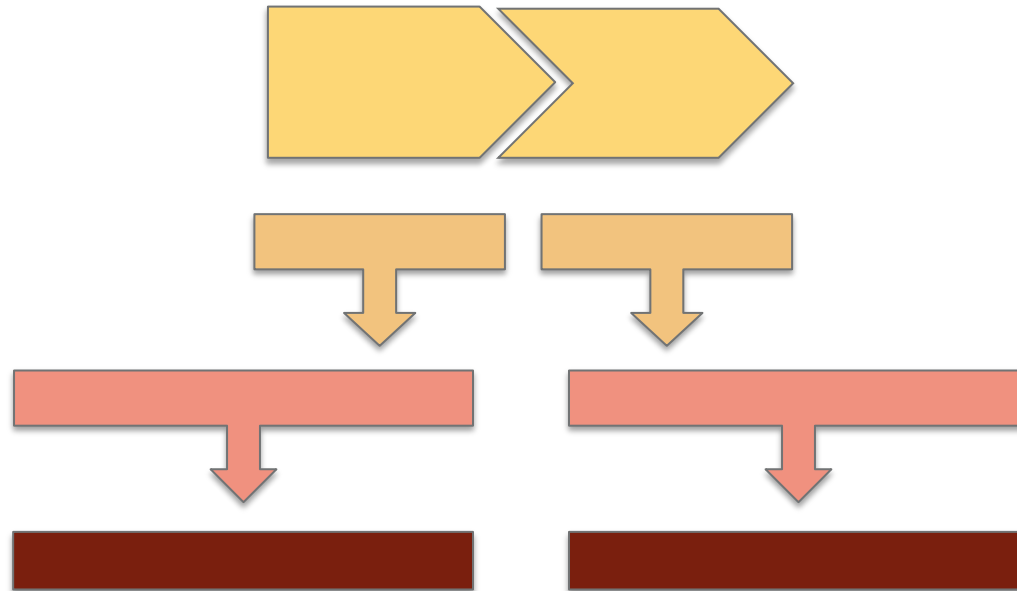
SOCRATES, PALTO AND THE TOP DOWN APPROACHES



METASONIC

Socrates: Human wisdom is worth little or nothing.

Model



010101010111101010

010101010111101010 010101010111101010

Reality

SUMMARY OF THE TOP DOWN APPROACHES

(TD): Models of the Analysis Approaches are gained by a discussion of the business issues and hence by following a Top-Down Approach.

(¬KAI): The biggest advantage of the Analysis Approaches lies in creating a model to attain simplification that does not require knowing all the implementation details.

(¬EX): Because of this, both the SA and the OOA approaches are not intended to model systems at a detailed level and hence are not executable.

MD: Either we have simplification, i.e. documentation for the purpose of human comprehension (\neg KAI), or we have implementation for the purpose of execution (EX). It would seem that these two goals are irreconcilable.

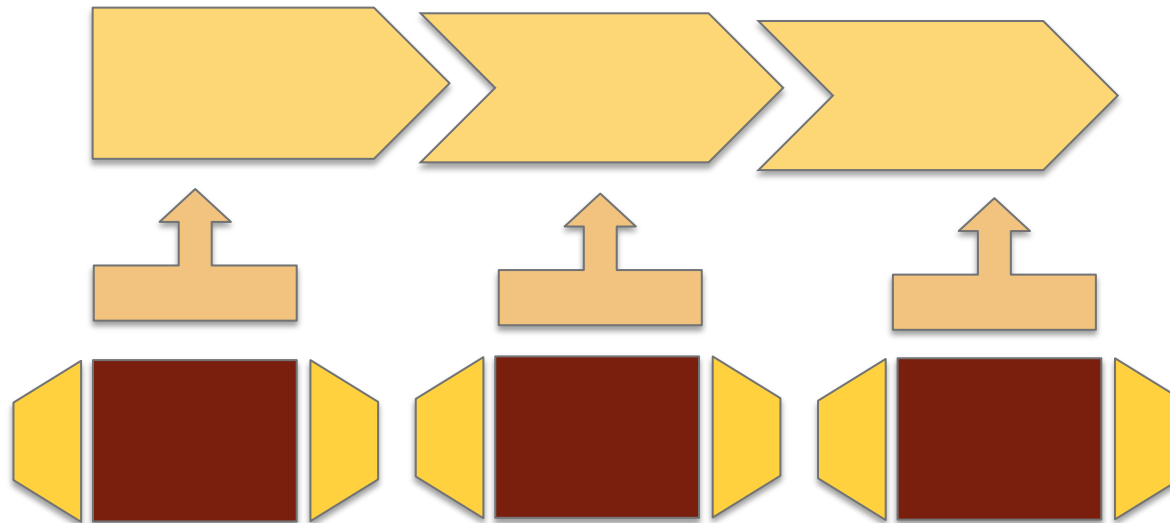
ARISTOTLE AND THE S-BPM APPROACH



METASONIC

A definition consists of the common and the specific

Model



0101 0101011110 0101 0101 0101011110 0101 0101 0101011110 0101

Reality

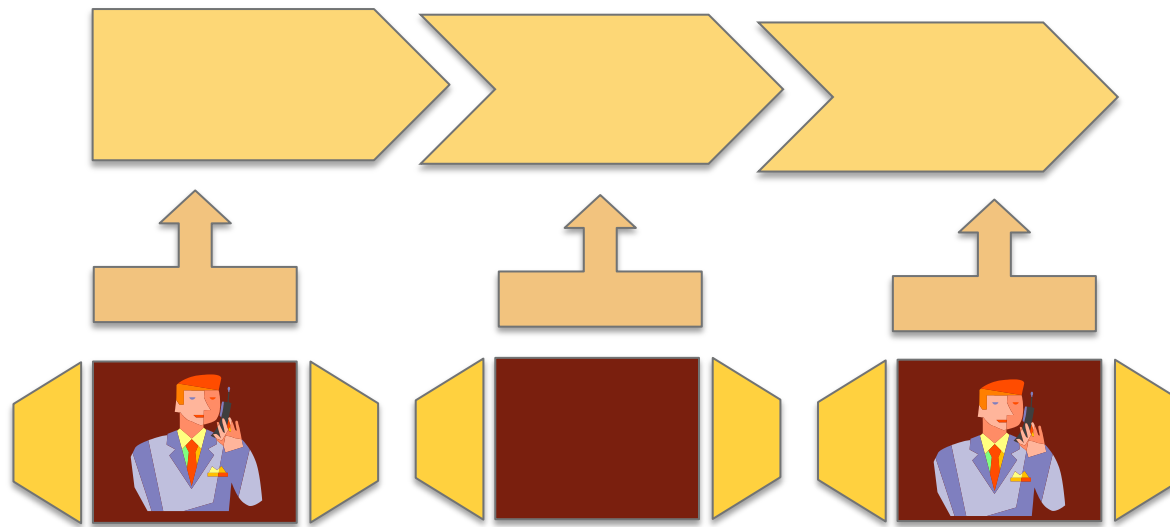
ARISTOTLE AND THE S-BPM APPROACH



METASONIC

A definition consists of the common and the specific

Model



0101  0101 0101 0101011110 010 0101  0101

Reality

(BU): Models of the SBPM method proceed from existing systems or services and human actors to a business process, hence following a Bottom-Up Approach.

(¬KAI): Since the common aspects of a process such as subjects (representing systems or actors), internal functions and communication aspects are already implemented, one does not need to know all the logical instructions contained therein in order to solve a problem with the model.

(EX): Because of the fact that with a SBPM process model can reunite the specific model with the common aspects at any time, the specific model and its common aspects form a complete definition and hence are executable.

CONSTRUCTS OF MIND VS. REAL EXISTING BEEINGS



METASONIC



Ideas (Top-down) vs. Substances (Bottom-up).
Plato (l.) and Aristotle (r.) in Raphael: The school of Athens

A GENESIS OF THINKING.

In Ancient Philosophy and modern Business Engineering.



METASONIC

Thank you for your attention.

© copyright Metasonic AG, Pfaffenhofen, 2010

All rights reserved.

The content of this document is subject to copyright.

Any changes, modifications, additions or amendments require prior written consent from Metasonic AG, Pfaffenhofen. Reproduction in any form is only permitted on the condition that the copyright notice remains on the actual document.

Publication or translation in any form requires prior written consent from Metasonic AG, Pfaffenhofen.

„Metasonic“, „Metasonic Suite“, „Metasonic Base“, „Metasonic Build“, „Metasonic Proof“, „Metasonic Flow“, „Metasonic Academy“ and „S-BPM“ are trademarks or registered trademarks of Metasonic AG in Germany and in many other countries worldwide.

All other trademarks are the property of their respective owners.

Some software products marketed by Metasonic AG and its distributors can contain proprietary software components of other software vendors. These materials are subject to change without notice. The materials are provided by Metasonic AG for informational purposes only, without representation or warranty of any kind, and Metasonic AG shall not be liable for errors or omissions with respect to the materials. The only warranties for Metasonic products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

