

# Threads of Reasoning in the Medical Imaging Case

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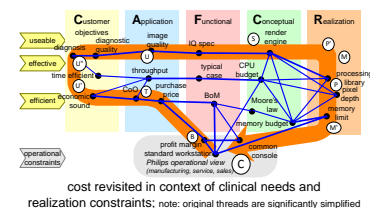
## Abstract

A thread of reasoning is build up in steps and the underlying reasoning is explained.

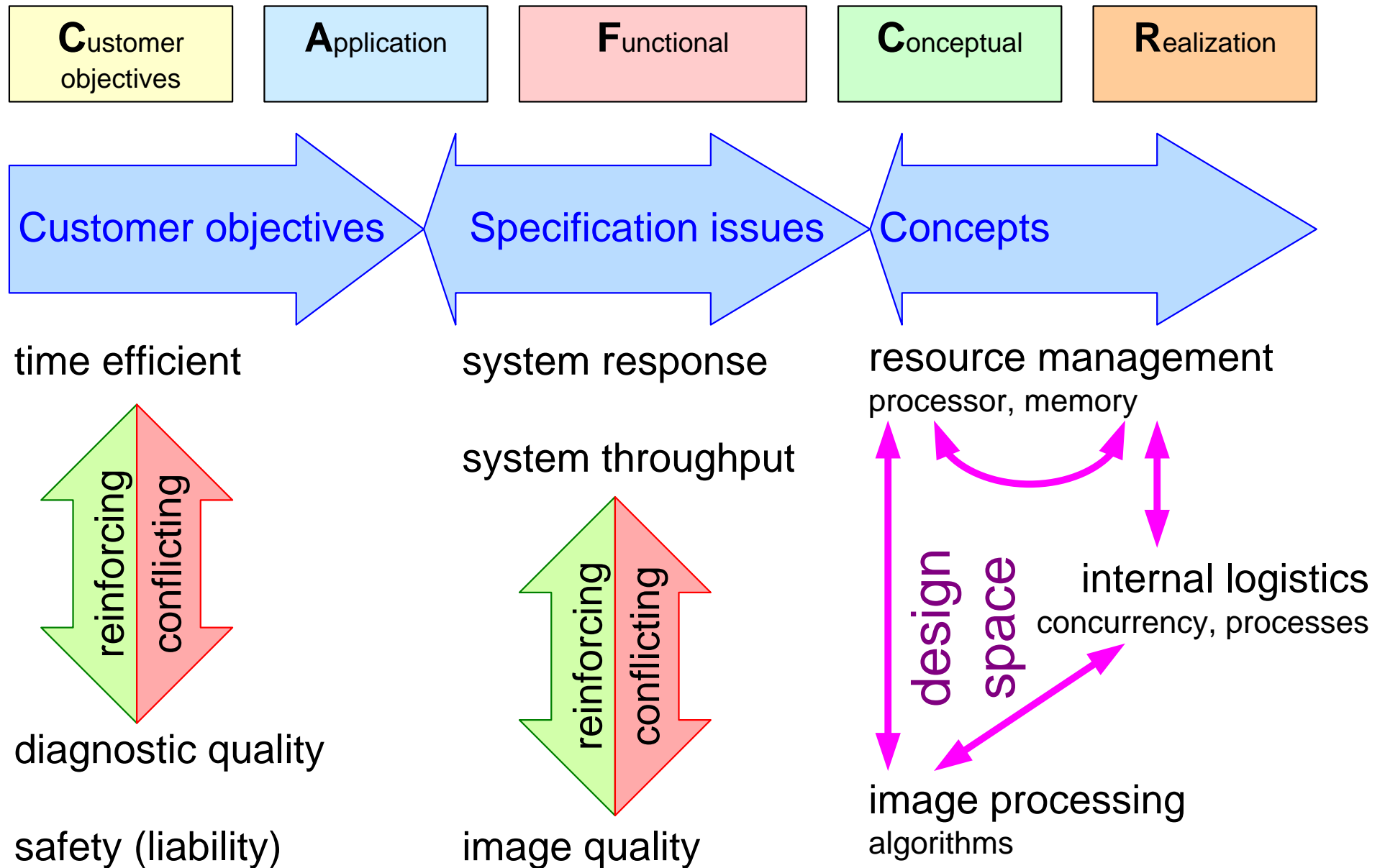
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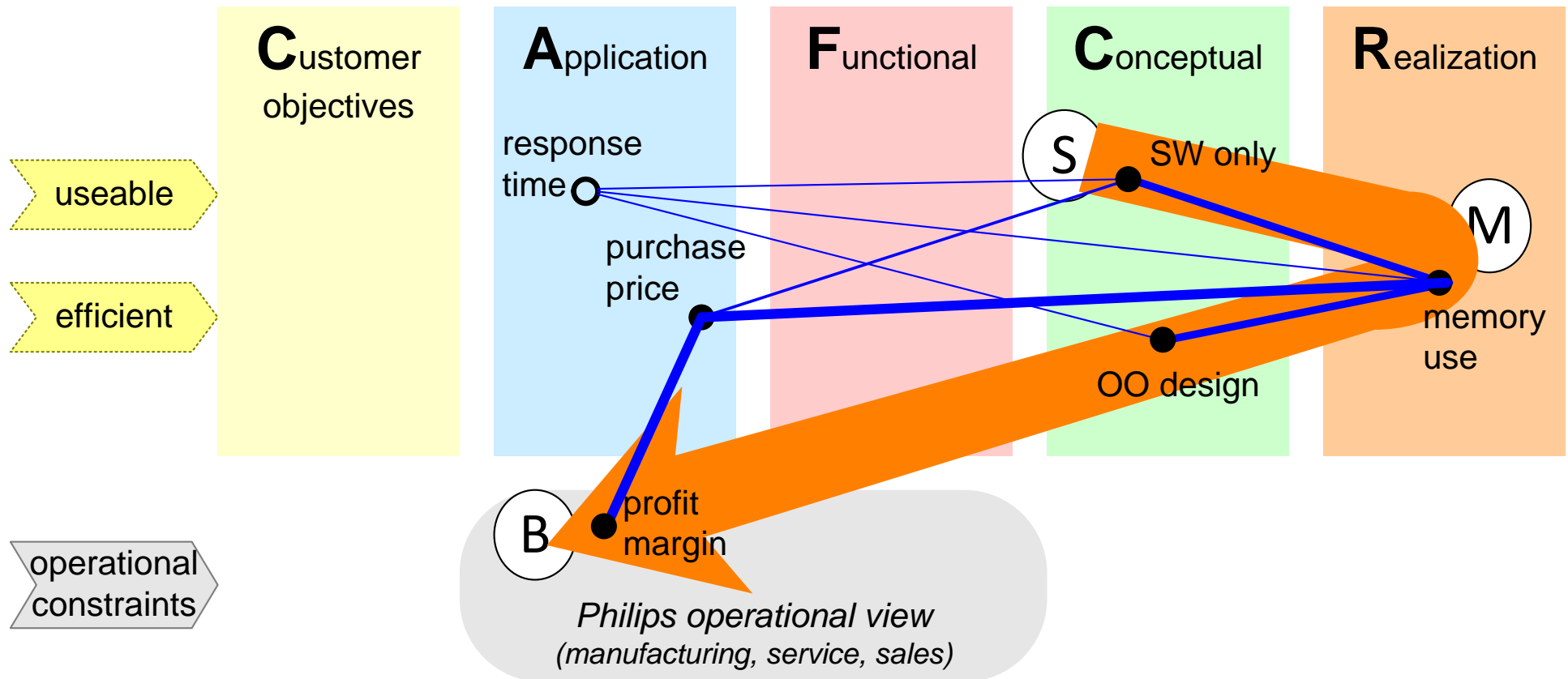
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# Thread of reasoning based on efficiency-quality tension

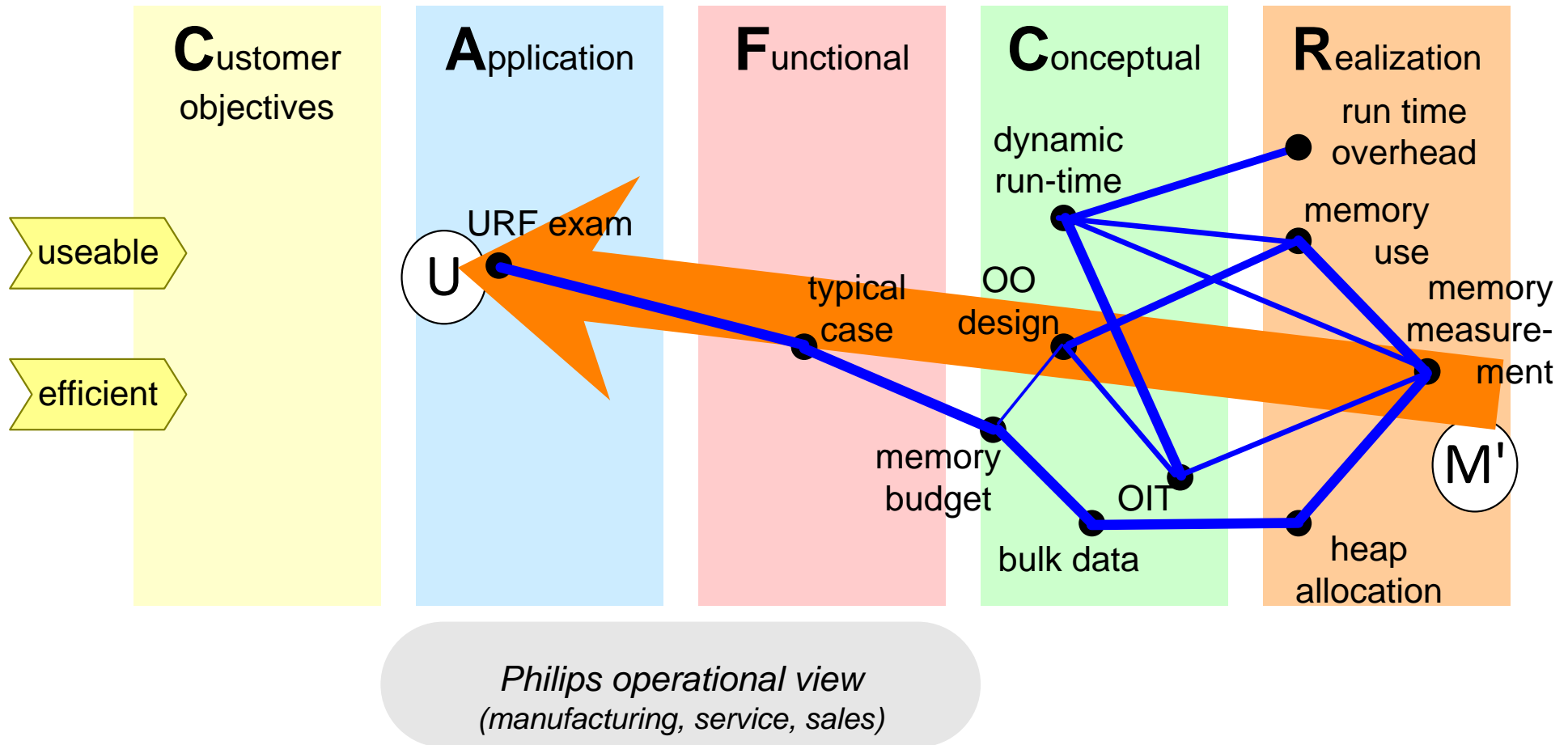


# Thread of reasoning; introvert phase



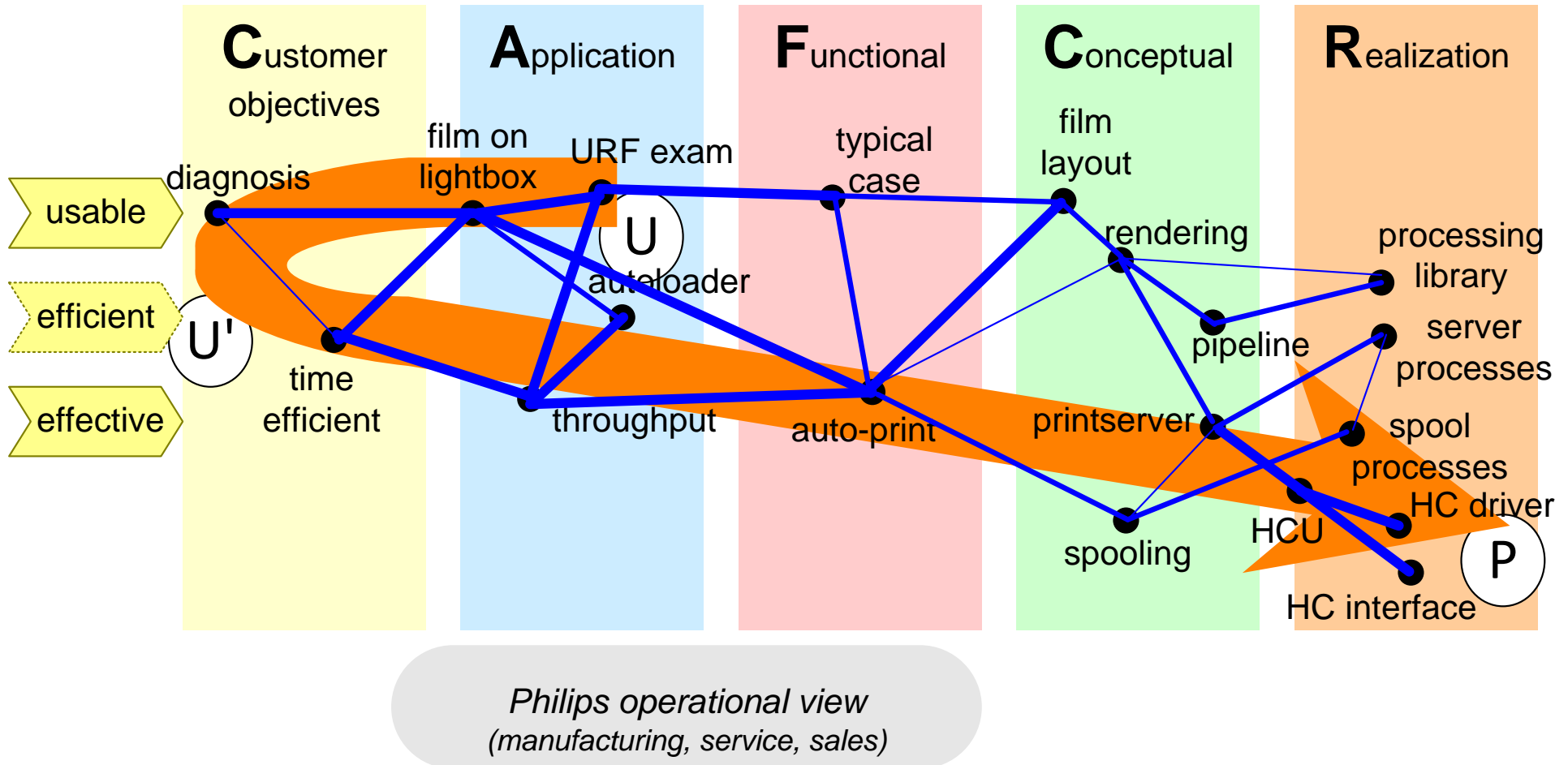
Introvert view: cost and impact of new technologies

# Thread of reasoning; phase 2



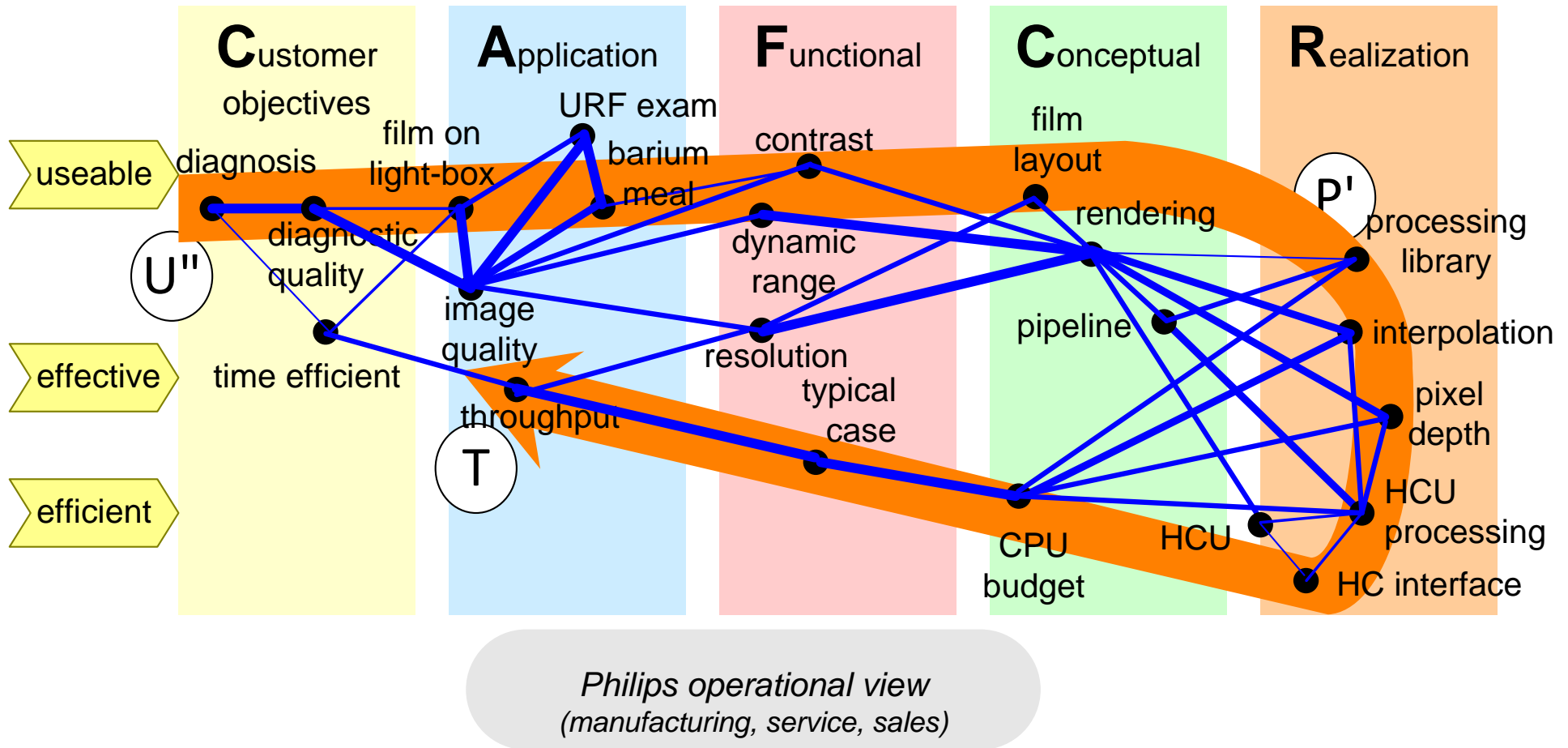
How to measure memory, how much is needed?  
from introvert to extrovert

# Thread of reasoning; phase 3



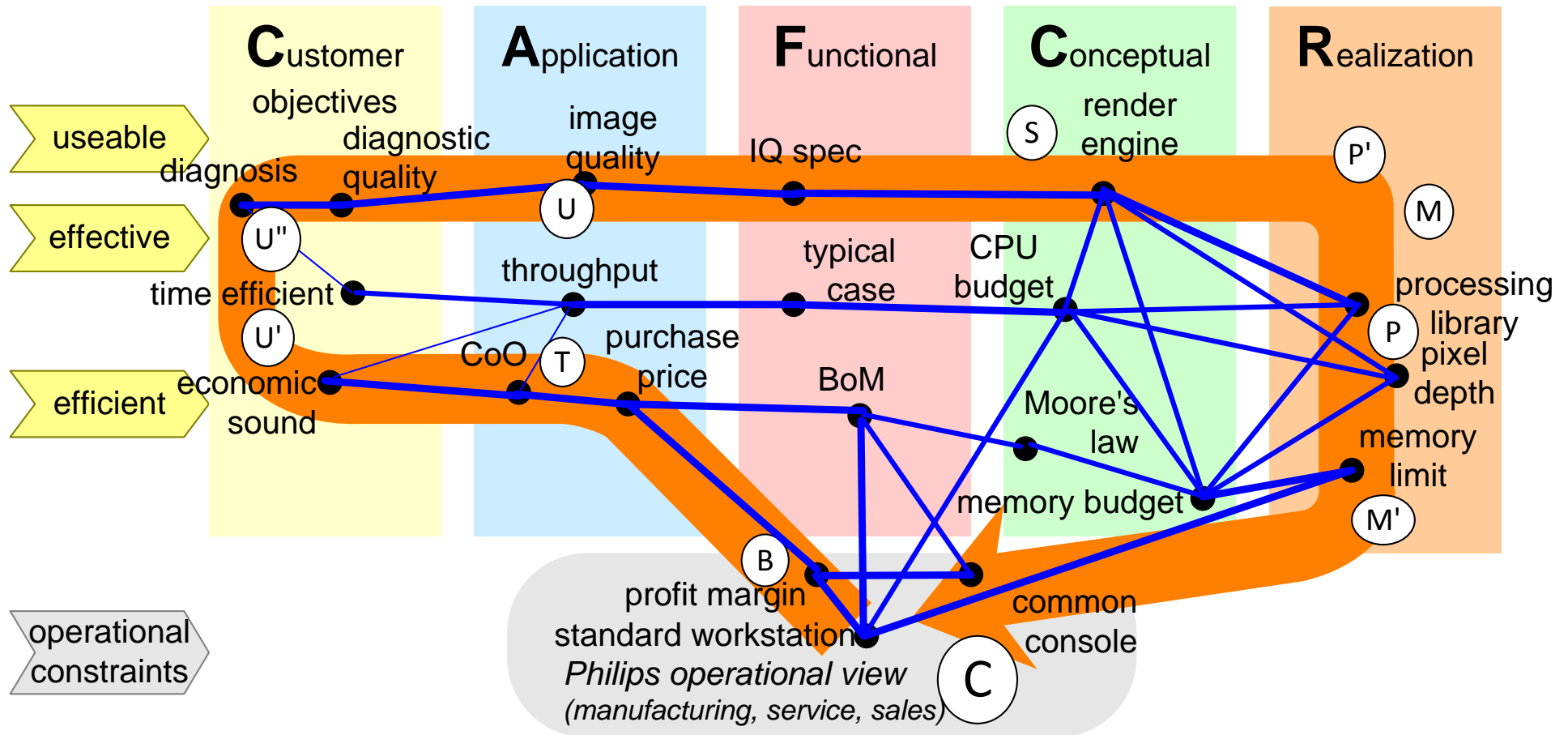
Radiologists diagnose from film, throughput is important  
 Extrovert view shows conceptual and realization gaps!

# Thread of reasoning; phase 4



from extrovert diagnostic quality, via image quality, algorithms and load, to extrovert throughput

# Thread of reasoning; phase 5



cost revisited in context of clinical needs and realization constraints; note: original threads are significantly simplified