Architecture, Design and Implementation of Embedded Systems for Real-Time Applications

CpE-450 Spring 05

Class 11

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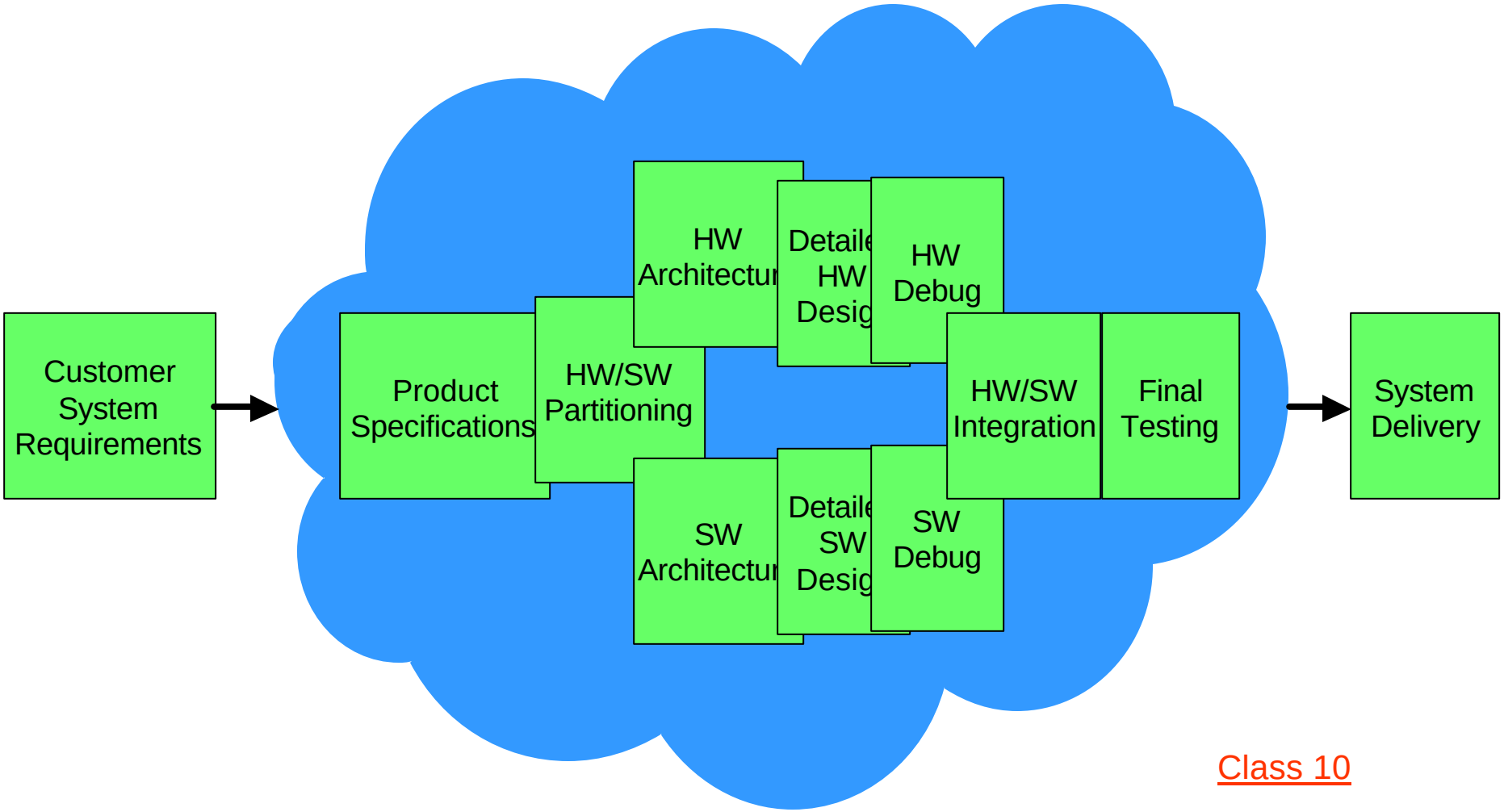
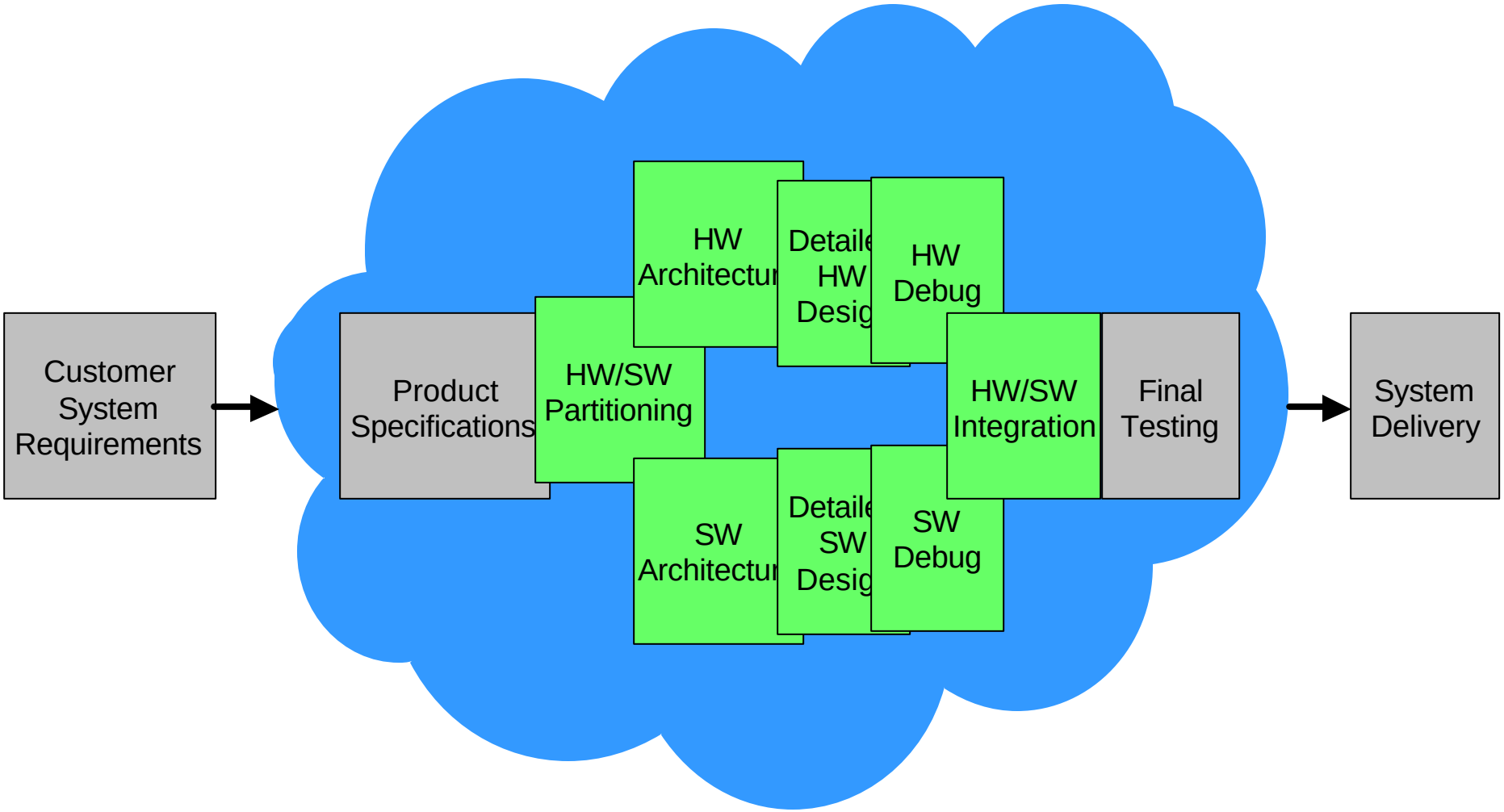
Embedded System Development

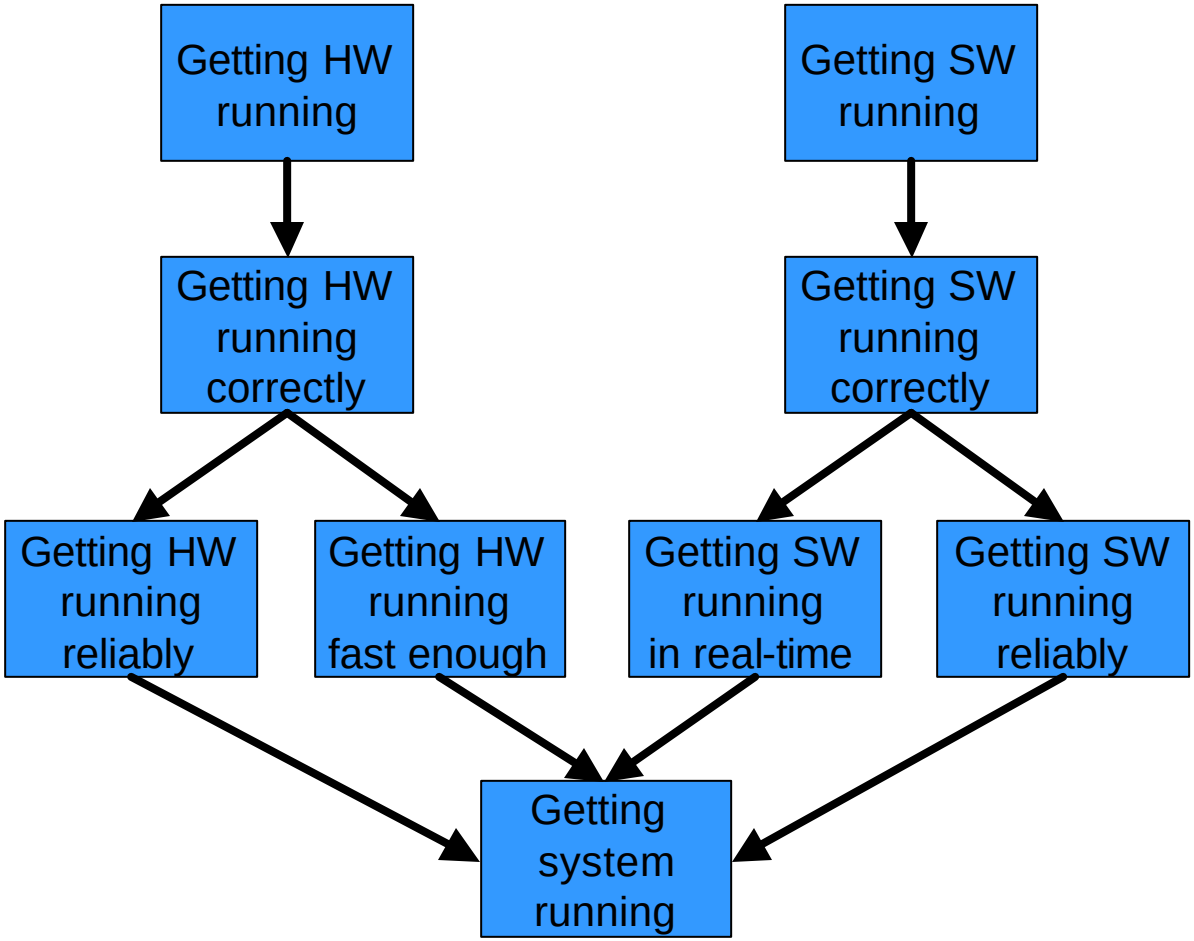


Class 10

Embedded System Development



Getting a Real-Time Embedded System Running



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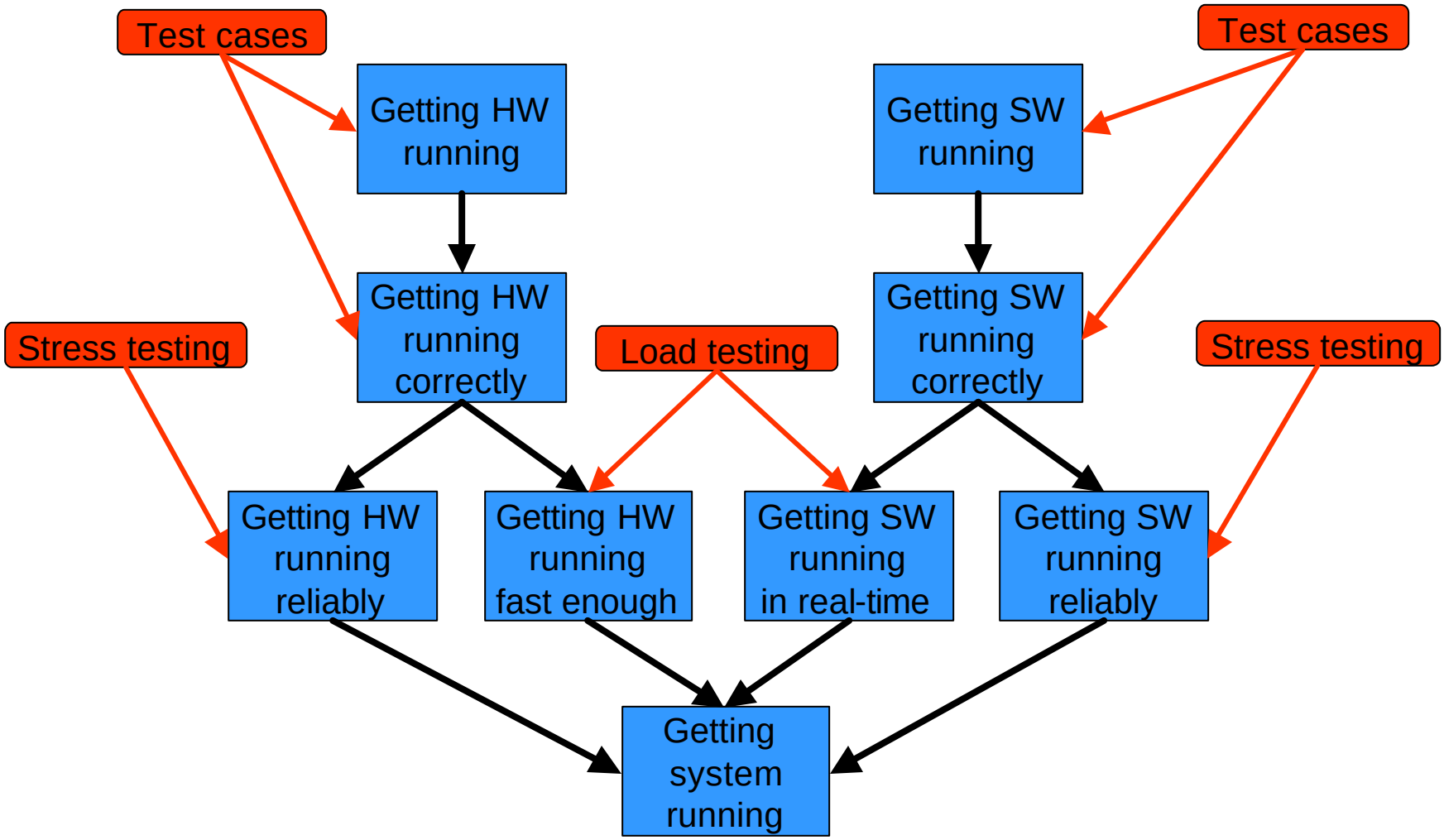

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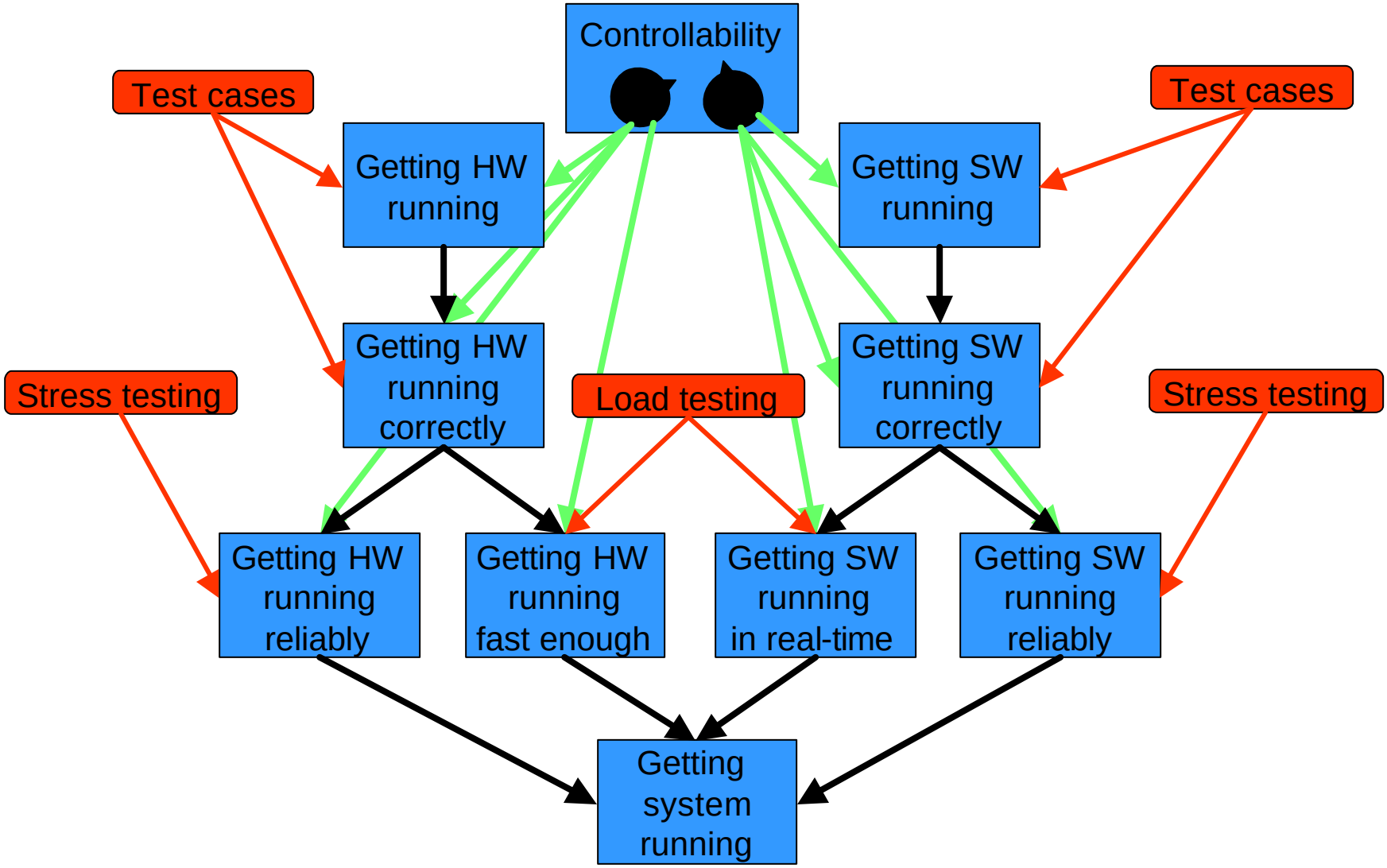

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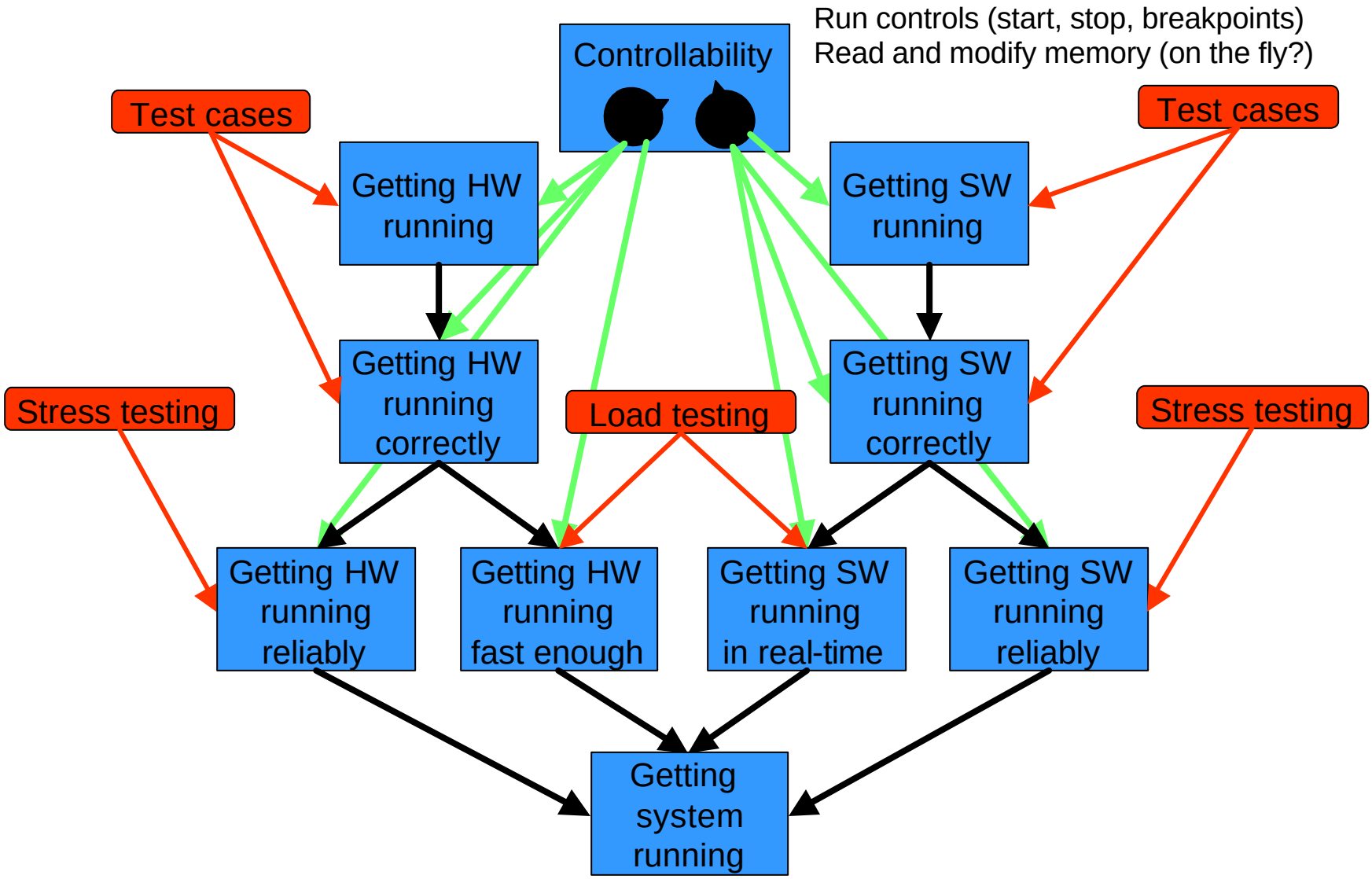

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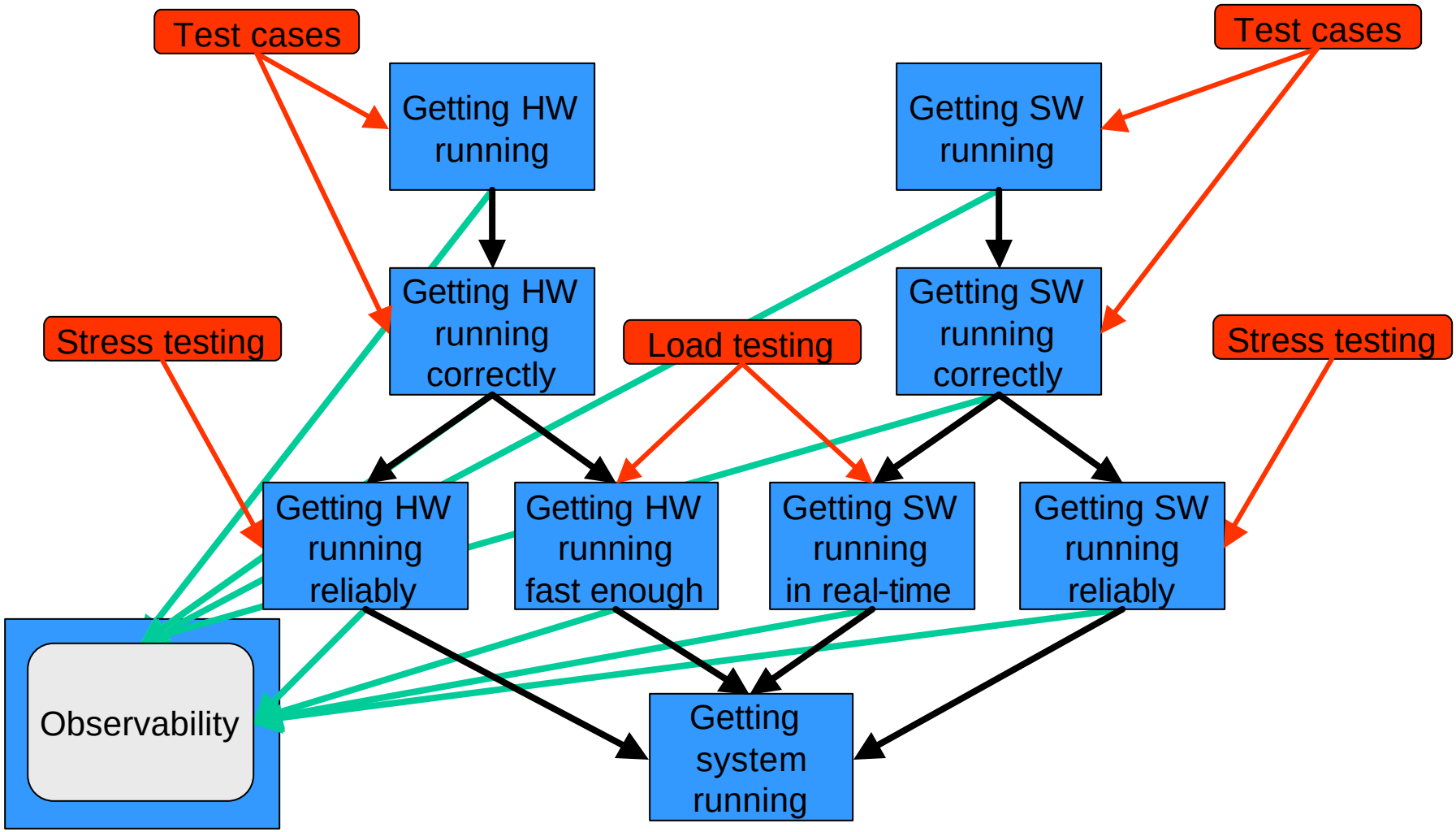

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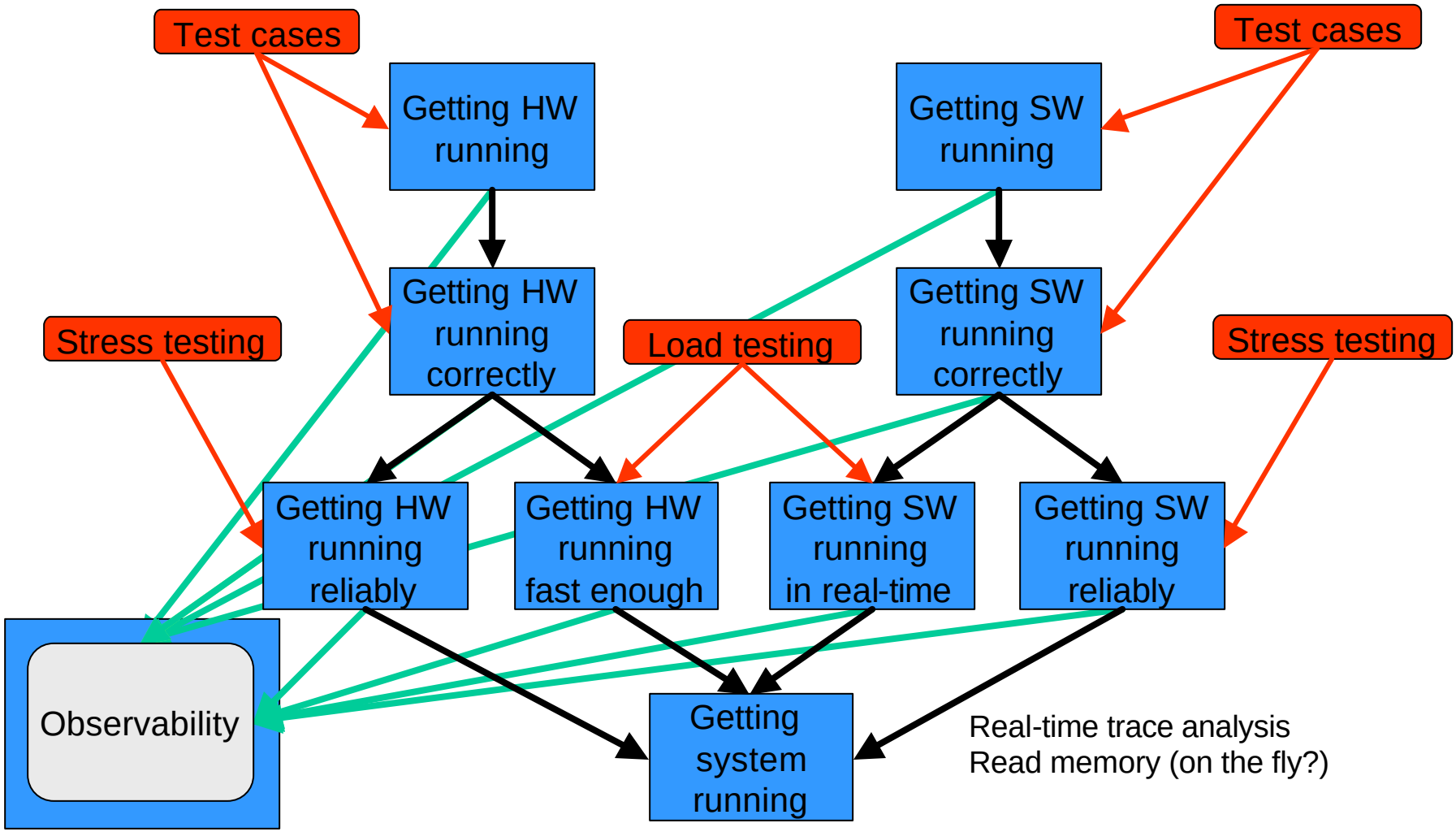

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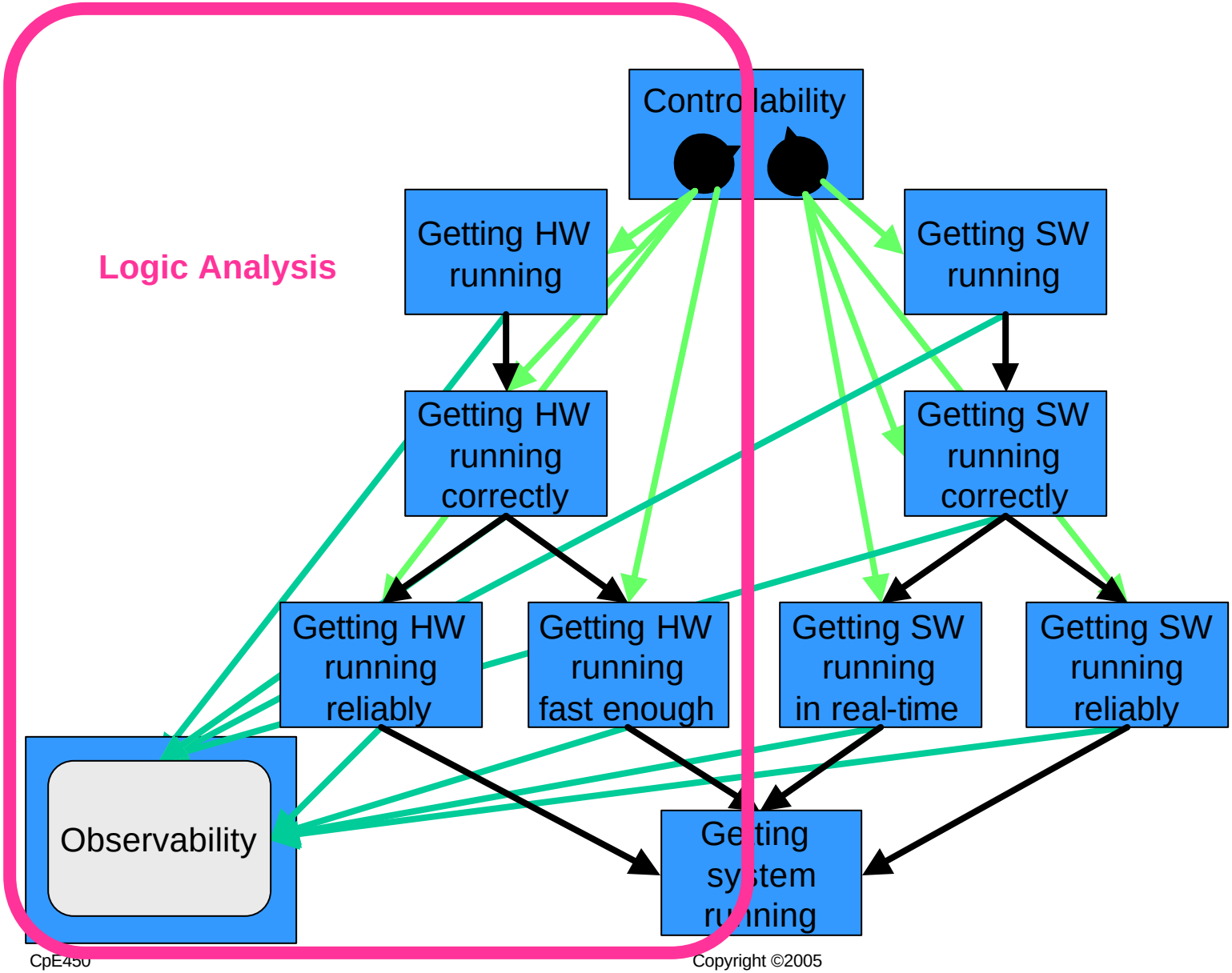

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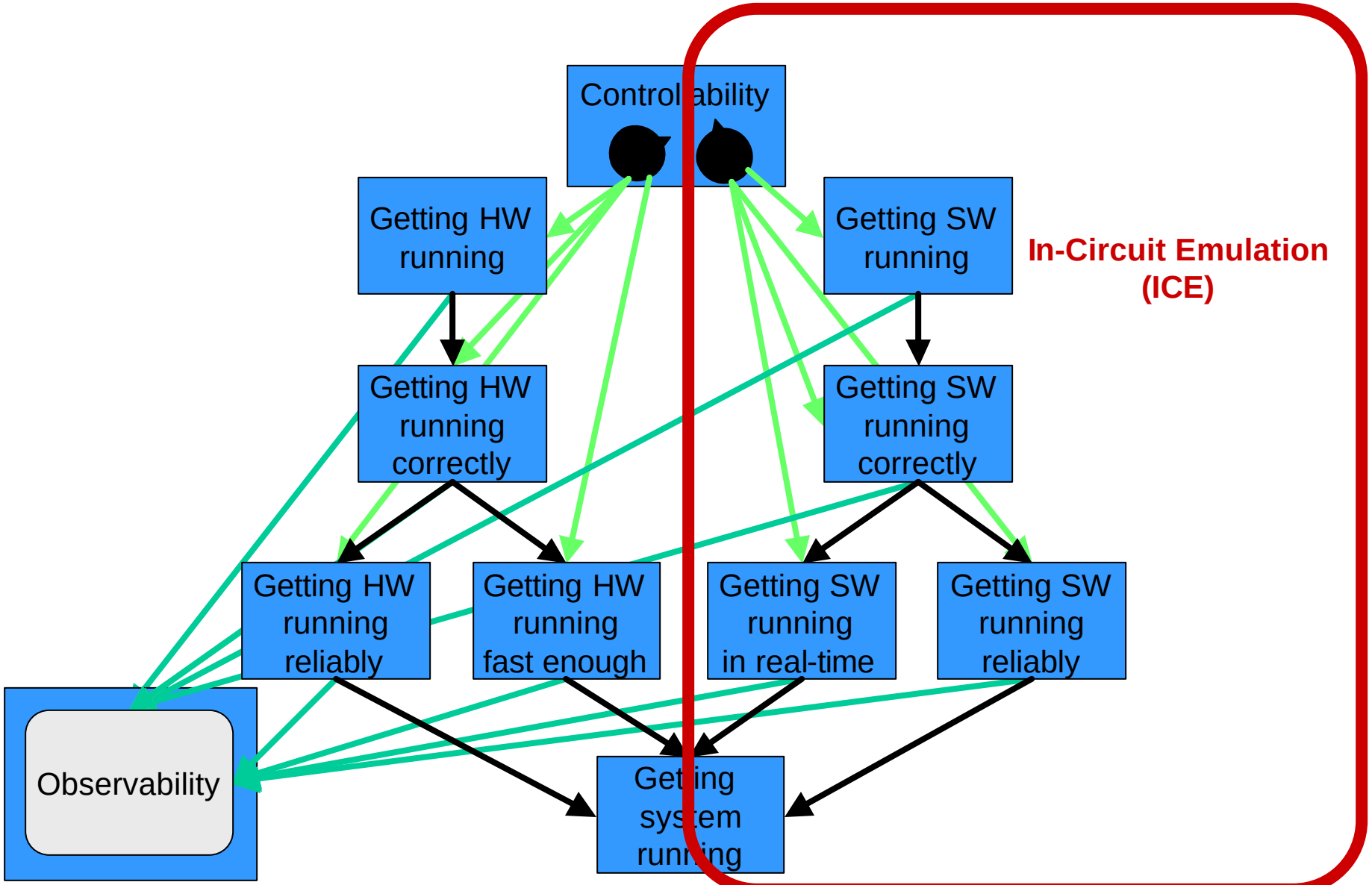

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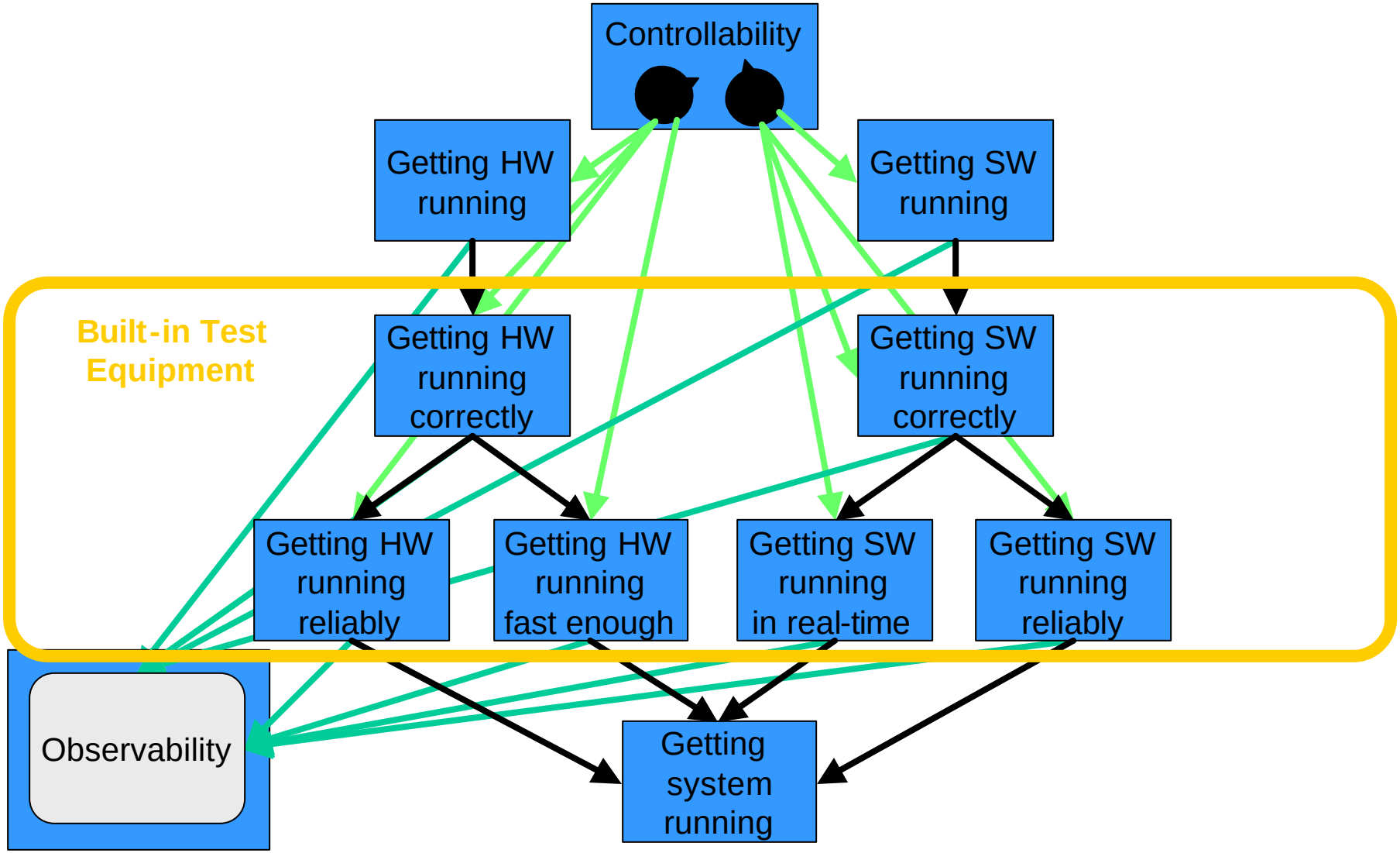

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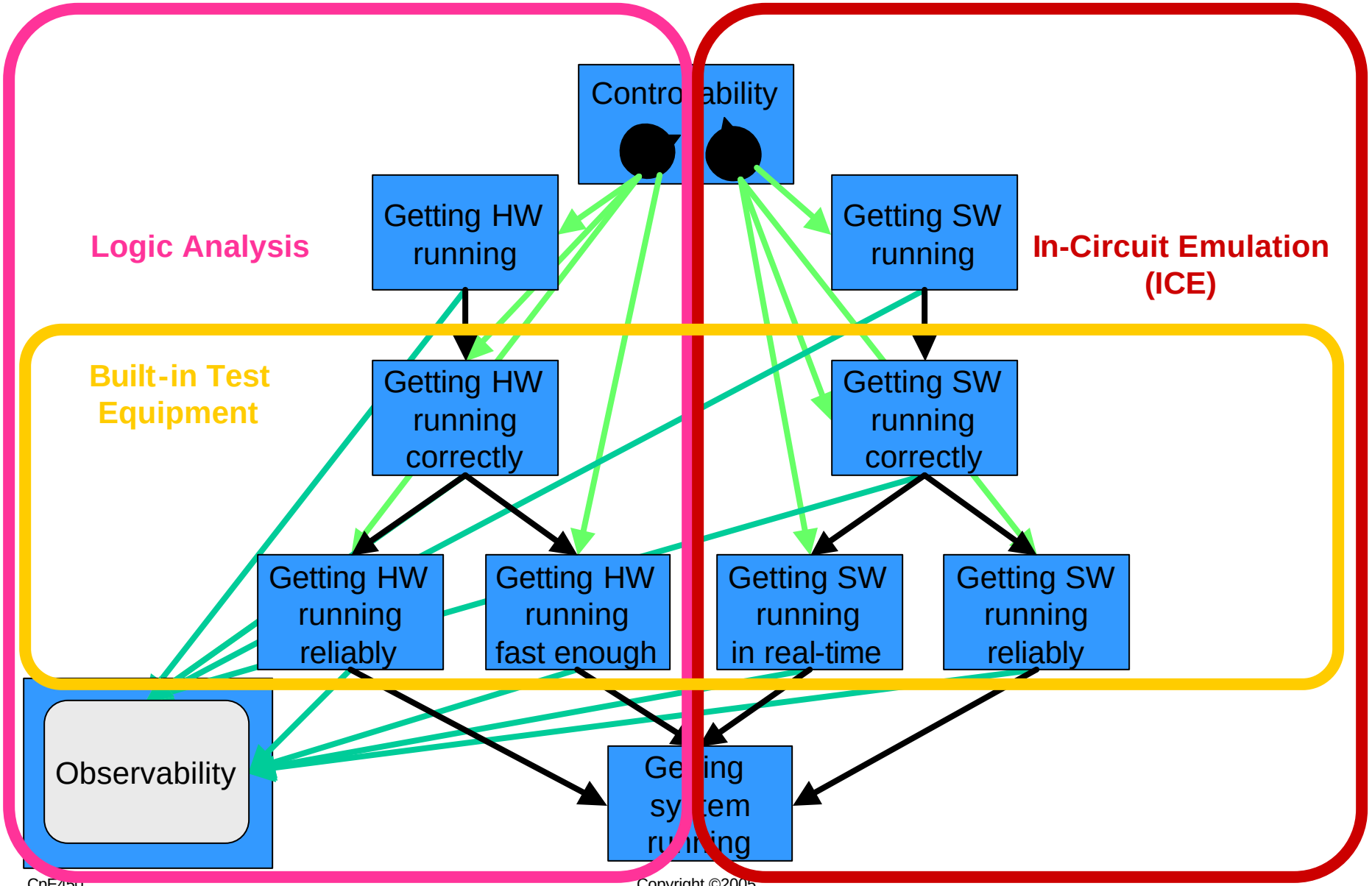

Assignment 5

- Investigate at least two of the following μP/μC's. Do they use Big Endian or Little Endian numeric representation (note: it may be necessary to examine the instruction set data sheets looking at the effect of instructions like "Shift Right"):
  - Amtel AVR series
  - Intel 8051
  - Intel 80x86
  - Microchip PIC microcontrollers
  - Motorola 68HC12
  - Parallax Stamp
  - Zilog Z8