The All Levels are Equal Pattern

given:

any storage level X in a storage hierarchy
any data layout, data structure or algorithm Y

if:

Y solves a problem on storage level X

then:

Y is likely to work for other storage levels as well
Examples

- Core
  - Registers
  - L1 hardware
  - L2 hardware
  - L3 hardware
  - Main memory
  - Software
  - Flash/hard disk

Note: The diagram visually represents the hierarchy of computer hardware and software components.