

Lec-2-HW-1-performance-SOLN

-- PH reading and references: Chp. 1

-- PH exercises:

1.3.1-5 (use part a.) performance equation

1.5.1 (use part a.) peak and job-mix performance

1.5.3 (use part b.) CPI by class

1.5.4 (use a. and b.) performance equation

1.6.1-2 (use a. and b.) compilers and performance

1.7.1-4 geometric mean of performances

1.8.1-2 capacitance and power

1.8.6 V and CR next generation

1.9.2 (use a.) static vs. dynamic power

1.10.2 (use b.) multi-core performance

1.10.5 (use a.) multi-core power

1.11.1 die yield

1.11.2 die cost

1.12.3 mean of SPEC ratios

1.16.1 speedup, Amdahl's Law

1.16.4 speedup compute-time vs. route-time