







Slide 4





Slide 6







How These Metrics Relate, Continued • Also not necessarily — e. g., if you replace instructions that take a few cycles each with a few that take a lot of cycles. (Textbook example on p. 64+.) Slide 10



Minute Essay • Suppose for a given program you have Instructions Avg cycles/instr Cycle time Machine X 1 million 1.5 1 ns Machine Y 1 million 2 0.5 ns (1 second = 10^9 ns) • Which machine is faster? by how much? (e.g., "X is twice as fast as Y".)

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