RISC Architecture Ch 12 Some History Instruction Usage Characteristics Large Register Files Register Allocation Optimization RISC vs. CISC	Major Inventions in Computer Architecture • General purpose computer - Howard Aiken, Mark I, 1944 • relays, 17m long, 2.4m tall • 500 miles of wire, 5 tons • 3 million connections • 6 sec mult 12 sec div • IBM ASCC (automatic sequence controlled calculator) • turned off last time 1959
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Architecture

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10 digits





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