

Chapter 9 EXERCISES



1. Why do RISC machines operate on registers?

12.Flynn's taxonomy consists of four primary models of computation. Briefly describe each of the categories and give an example of a high-level problem for which each of these models might be used.

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33. Indic	ate whether each of the following applies to
CISC or	RISC by placing either a C
(for CISC	c) or an R (for RISC) in the blank.
1.	Simple instructions averaging one clock
cycle to	execute.
2.	Single register set.
3.	Complexity is in the compiler.
4.	Highly pipelined.
5.	Any instruction can reference memory.

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	6. Instructions are interpreted by the
mic	roprogram.
	7. Fixed length, easily decoded instruction
forn	nat.
	8. Highly specialized, infrequently used
inst	ructions.
	_ 9. Use of overlapping register windows.
	10. Relatively few addressing modes.