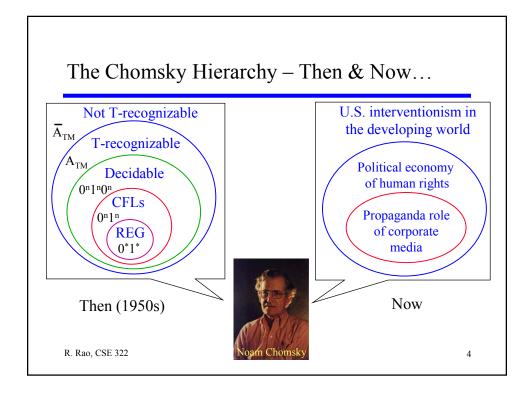
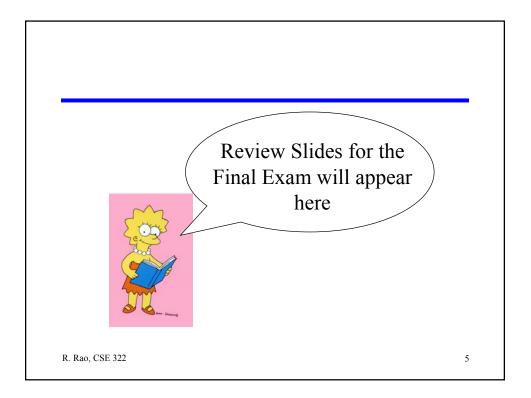
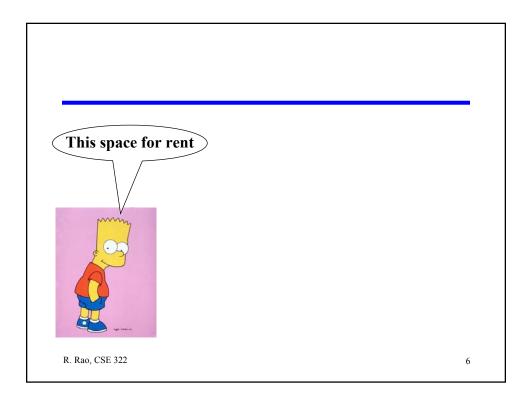
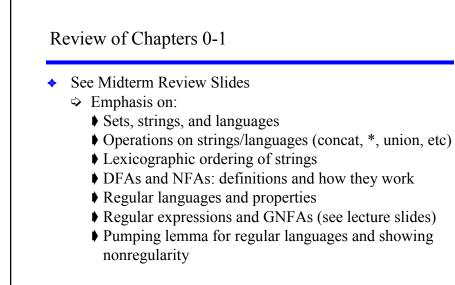


Increasing generality				
Language	Regular	Context-Free	Decidable	Turing- Recognizable
Computational Models	DFA, NFA, RegExp	PDA, CFG	Deciders – TMs that halt for all inputs	TMs that may loop for strings not in language
Examples	(0∪1)*11	$\{0^{n}1^{n} \mid n \ge 0\},$ Palindromes	$ \begin{cases} \{0^n 1^n 0^n \mid \\ n \ge 0\}, \\ A_{DFA}, \\ A_{CFG} \end{cases} $	A _{TM} , A _H

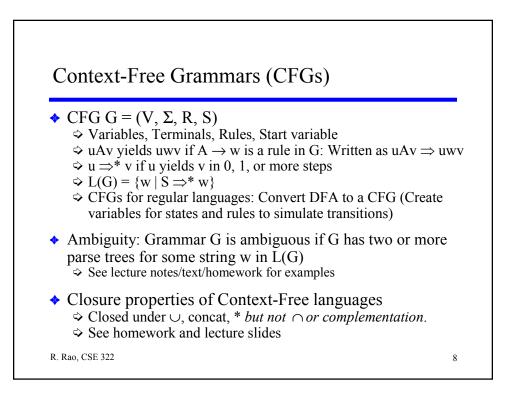








R. Rao, CSE 322



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