ABSTRACT MACHINES - EPISODE II

FINITE AUTOMATON, REGULAR LANGUAGES		PUSHDOWN AUTOMATON, CONTEXT-FREE LANGUAGES	
I WANT TO PROVE THAT A LANGUAGE L IS REGULAR. **FA (or variations)** **regular expression (set)** **(regular grammar)** **closure properties**	2	I WANT TO PROVE THAT A LANGUAGE L IS CONTEXT-FREE. **PDA (or variations)** **context-free grammar** **closure properties**	8
I WANT TO PROVE THAT A LANGUAGE L IS NOT REGULAR **the pumping lemma for regular languages** **closure properties**	3	I WANT TO PROVE THAT A LANGUAGE L IS NOT CONTEXT-FREE **the pumping lemma for context-free languages** **closure properties**	9
CLOSURE PROPERTIES **Closed under: union, concatenation, star, complementation, intersection.**	4	CLOSURE PROPERTIES **Closed under: union, concatenation, and star.** **Not closed under: complementation, intersection.**	10
DECISION PROCEDURES **Can determine whether the language recognized by the machine is empty, finite, or infinite.**	5	DECISION PROCEDURES **Can determine whether the language recognized by the machine is empty, finite, or infinite.**	11
NEAT FEAT **Can recognize infinite languages with a finite number of states.**	6	NEAT FEAT **Has an infinite stack memory. Can count till infinity!**	12
SORRY, BUT **Cannot count. Cannot even balance parentheses!**	7	SORRY, BUT **Can count a limited number of things.**	13