1. Boolean Algebra How many ordered triples make the following expression FALSE? $$A(\overline{B} + C) + B(A + \overline{C}) + \overline{ABC}$$	**1.**
2. Boolean Algebra Simplify the following expression: $$\overline{A(B+C)} + \overline{B}(\overline{A}+C)$$	**2.**
3. Data Structures How many nodes have only one child in the binary search tree for: WINDSORCONNECTICUT	**3.**
4. Data Structures Given an initially empty stack and the following commands on the stack, what will the next popped item be? PUSH(T), PUSH(H), PUSH(E), PUSH(K), POP(X), POP(X), PUSH(I), PUSH(N), POP(X), PUSH(G), PUSH(A), PUSH(N), POP(X), POP(X), POP(X), PUSH(D), PUSH(I), POP(X), POP(X).	**4.**

5. FSA's and Regular Expressions
 	
Which of the following strings can be produced by the following regular expression?
 	
       a b * b a a * b a a
 	
  A. a b a b a a
  B. a a b b b a a a a b b a a
  C. a b a a a b b a a
  D. a b b b b a b a
  E. a b b b b a a a b a a
	5.