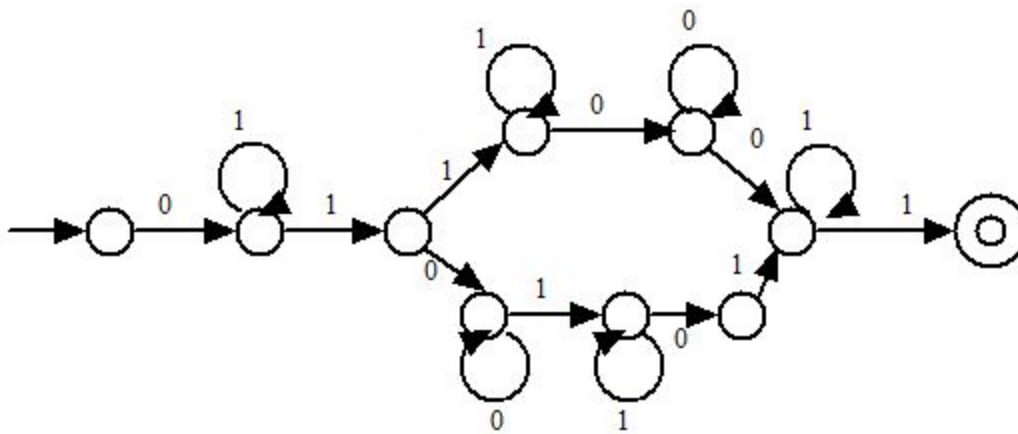|	
1. Boolean Algebra How many ordered triples make the following FALSE? $$A\,\overline{B} + C\,(\,\overline{A} + B) + \overline{A}\,(B + \overline{C})$$	1.
2. Boolean Algebra Which ordered triples make the following TRUE? $$C\,(A \oplus \overline{B}) + B\,(A \oplus C) + \overline{A}\,(B \oplus \overline{C})$$	2.
3. Data Structures What is the internal path length in the binary search tree for: ACADEMYOFAEROSPACEANDENGINEERING	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), POP(X), PUSH(P), PUSH(H), POP(X), PUSH(A), PUSH(N), PUSH(T),POP(X), POP(X), POP(X), PUSH(O), PUSH(M), POP(X), POP(X), PUSH(O), PUSH(F), PUSH(T), PUSH(H), POP(X), POP(X), PUSH(E), PUSH(O), POP(X), PUSH(P), PUSH(E), PUSH(R), POP(X), POP(X), POP(X), PUSH(A), POP(X), POP(X).	4.

5. FSA's and Regular Expressions

5.

Translate the following FSA into the Regular Expression it represents: