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Q3.	Consider the following source code: <code>force = 55 * acceleration</code> Where <i>force</i> and <i>acceleration</i> are floats, and 55 is integer Construct the lexemes, output of lexical analysis, syntax tree, semantic tree, and intermediate code.	(5)
Q4.	<p>The following is the state diagram of a Finite Automata <math>M_1</math></p> <p style="text-align: center;"><math>M_1</math></p> <p>a) Give the complete formal description of machine <math>M_1</math> pictured above</p> <p>b) Give the Transition Functions of machine <math>M_1</math>.</p> <p>c) What sequence of states <math>M_1</math> go through on input aabba?</p> <p>d) Does <math>M_1</math> accept string aabb?</p> <p>e) Does <math>M_1</math> accept the string <math>\epsilon</math>?</p>	(10)

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