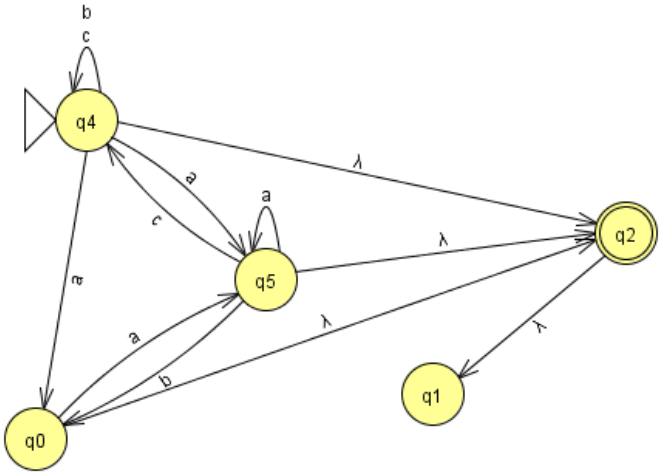
PRACTICAL EXERCISE
JFLAP SESSION 2

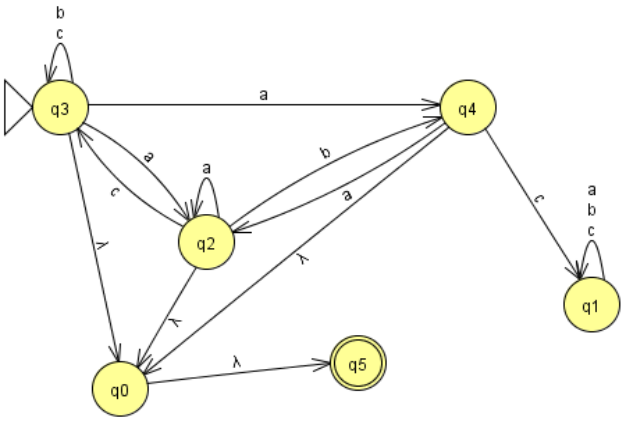
You must generate a **Word document** detailing the sequence of steps followed to solve the exercises (including images of the **automata** and/or **obtained grammars**). All the steps must be conveniently explained.

1. **Determine which of the following non-deterministic finite automata (FA1, FA2 and FA3) are equivalent. Indicate which is the recognized language by each one of them.**
   Use the JFLAP options "*Convert → Convert to DFA*" and "*Convert → Minimize DFA*" and complete the set of states and transitions in the minimal DFA to verify whether they are equivalent or not. All these options are explained in the JFLAP manuals that you have in Aula Global 2.
   Include in the Word document the images required to show the results that you have obtained using the JFLAP tool.

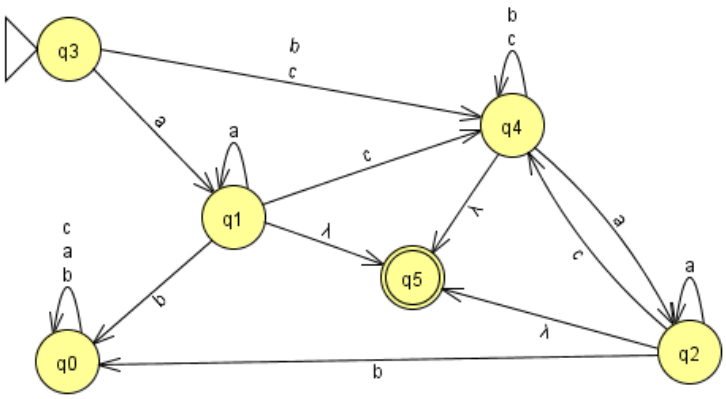
FA1



FA2



FA3



2. Create a grammar to generate the following languages:
    1. **L_A={Real numbers}**
    2. **L_B={Real numbers, WITHOUT non-significant zeros at the left and/or right}**

    Take into account that the decimal point can appear 0 or 1 time.
    Use the following list of numbers to evaluate your grammar (using the option *"Input → Multiple Brute Force Parse"*):

0	0.0	10.12	5.05	0.
00.1	012	3.8	6.070	.1
3445	10	4.0	9.2.4	

    You can find how to introduce and edit grammars in the corresponding manual in this section of the course

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