CC: ch1 - 3:

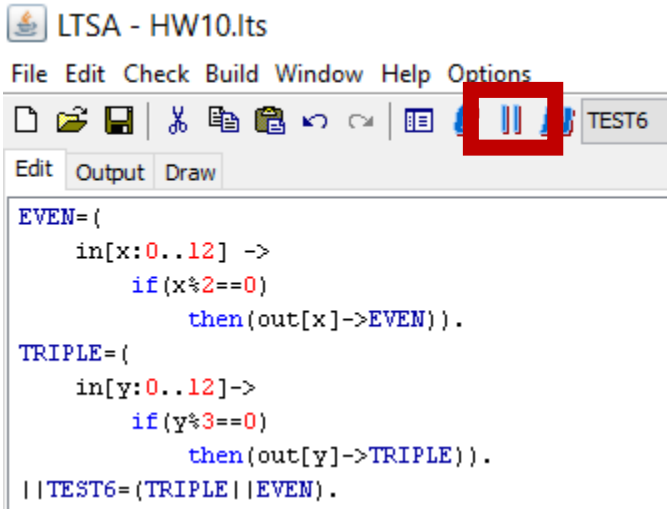
Homework Question: **60** pts

1. HW credit will **NOT** be given if you use a different programming language (e.g., Java, Python, C++, etc.) other than **Finite State Processes** (FSP), per the discussion in the class.
2. Define/code two non-composite processes in FSP, named EVEN and TRIPLE.
   a. EVEN process will take a non-negative integer and output the input number if it is **even** (e.g., 0, 2, and 4).
   b. TRIPLE process will take a non-negative integer and output the input number if it is **triple** (e.g., 0, 3 and 6).
3. Define/code a FSP composite process, named TEST6, which includes both EVEN and TRIPLE processes. TEST6 process will take a non-negative integer and output the input number if it is a **sextuple** (e.g., 0, 6 and 12); otherwise, NO output.
4. Use LTSA to compile your code of EVEN, TRIPLE, and TEST6 processes and to show the corresponding LTS diagram for TEST6 process.
5. Assuming all possible input integers to TEST6 process are from 0 to 12. Only show the **input** and **output** in the LTS diagram of TEST6 process.

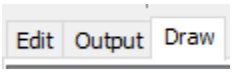
Please DO NOT hard code any input values, output values in your code.

Steps for execution

1. Copy the code from ***"Advanced Software Paradigms_CSCI_6221_10_Sagar_Sheth_HW10.lts".***
2. Execute the code on the ltsa.jar, to be downloaded from the url shared on the question.
3. Paste the Code in and Click on the Compose Button.



4. Click on the Draw Section.



5. Click on ||TEST6.