LTSA Tool

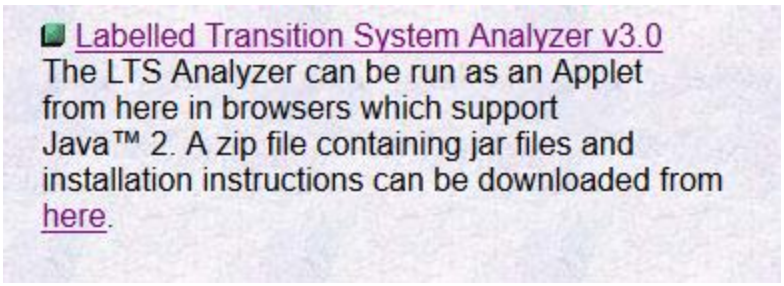
(Labelled Transition System Analyzer)

LTSA - Labelled Transition System Analyser. LTSA is a verification tool for concurrent systems. It mechanically checks that the specification of a concurrent system satisfies the properties required of its behaviour. ... The tool allows the LTS corresponding to a FSP specification to be viewed graphically.

- Link of the website

www.cas.mcmaster.ca/~cs3sd3/

- Download LTSA tool from
- http://www.doc.ic.ac.uk/~jnm/book



- All Examples of the textbook are already inside the tool

Textbook Chapter 2.1.3 page 18

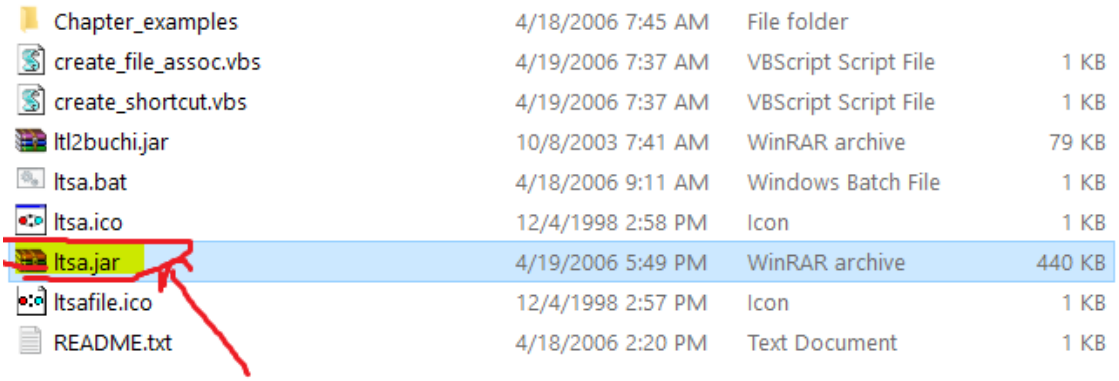
You must install JAVA, in order run LTSA tool.

Most windows 10 machines already have Java installed.

- You can download and install it from here
- https://www.java.com/en/download/

After you install JAVA correctly on you system.

- Download and unzip the tool to your computer
- And Click on **ltsa.jar**



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- And you will get this window.

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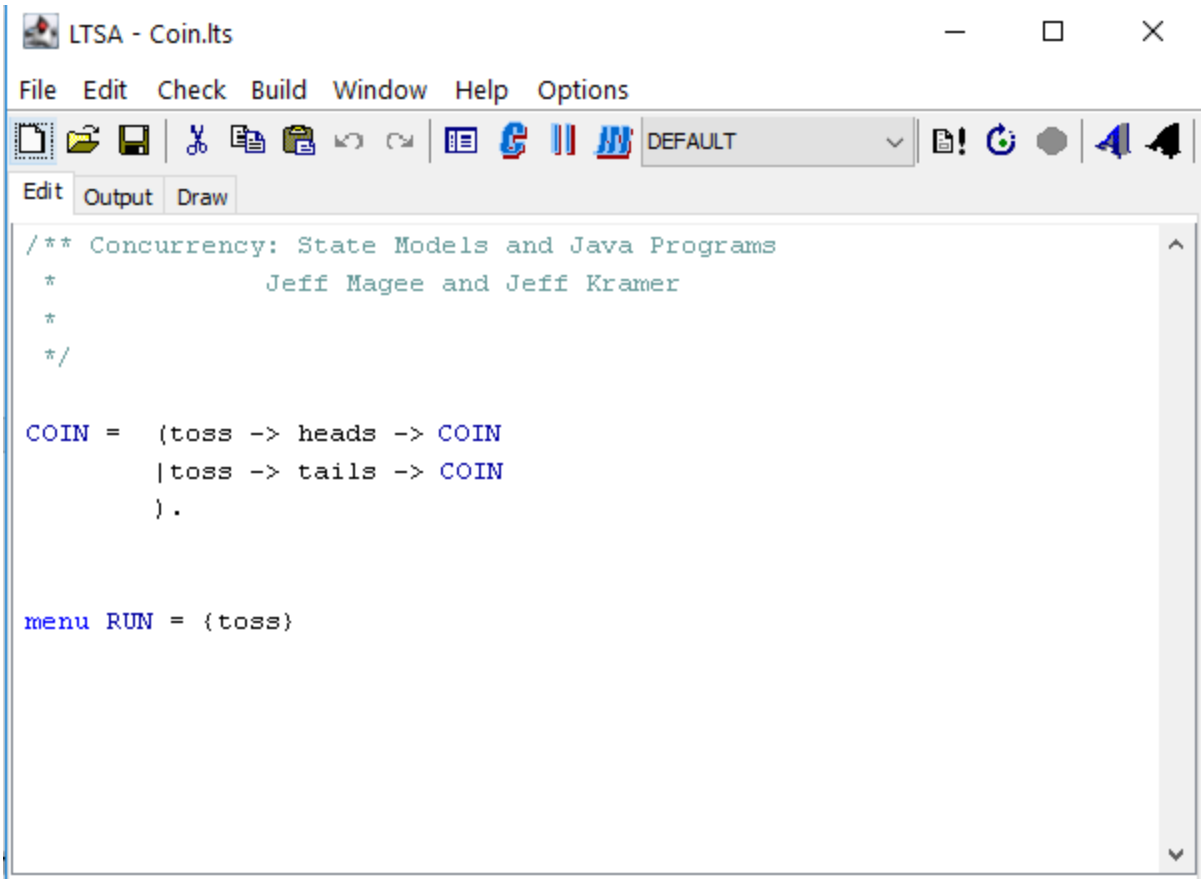
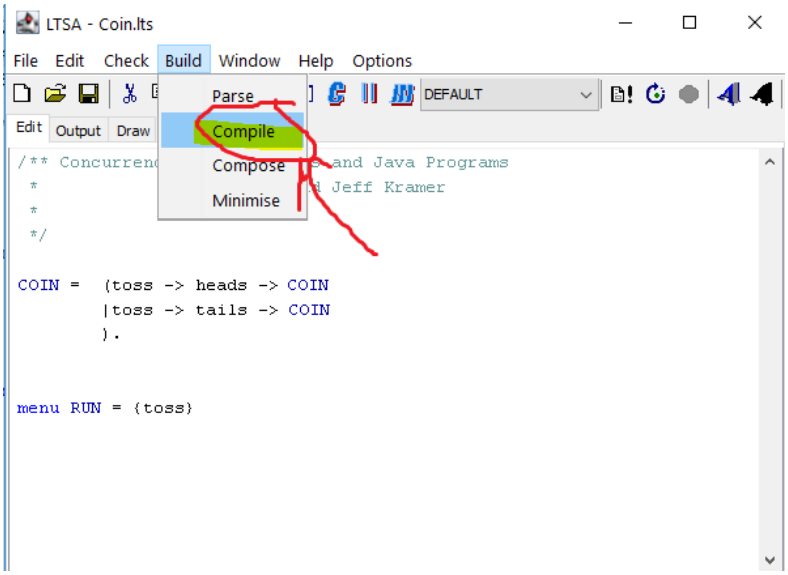
-You can find textbook example in **File** ->**Examples** –>**Chapter 2→Coin**

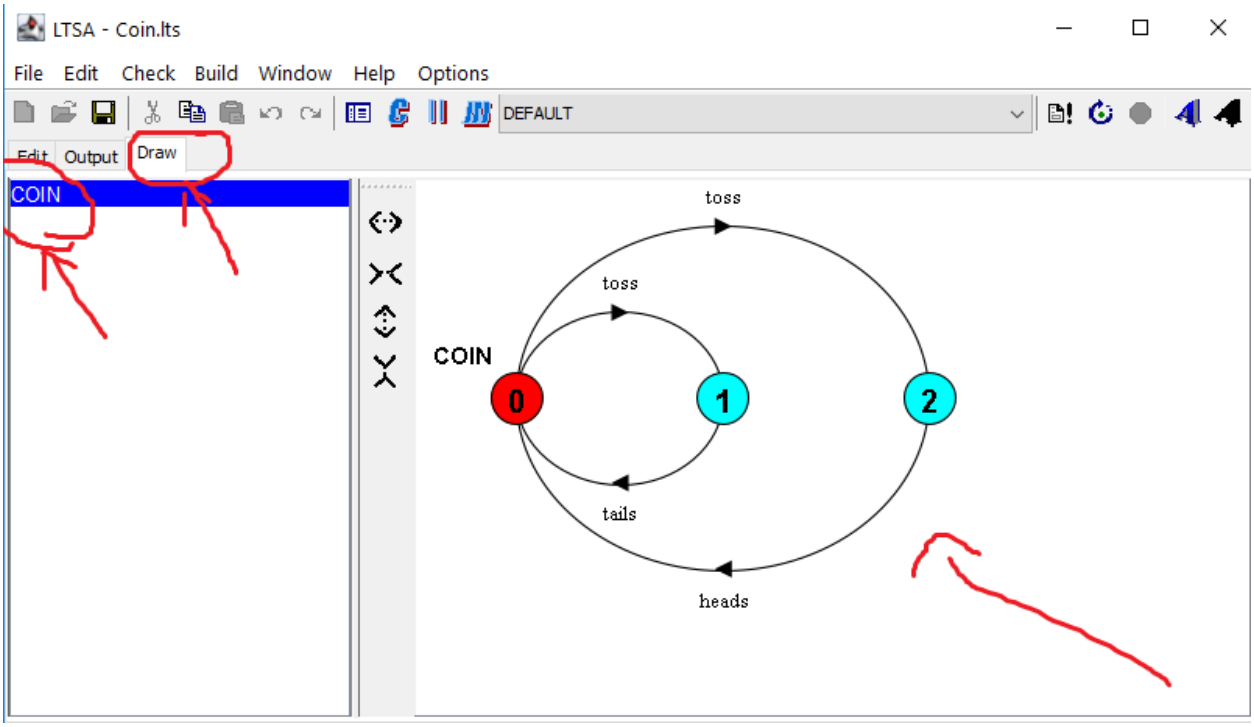


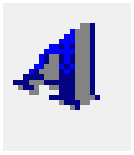
You can Compile you code from

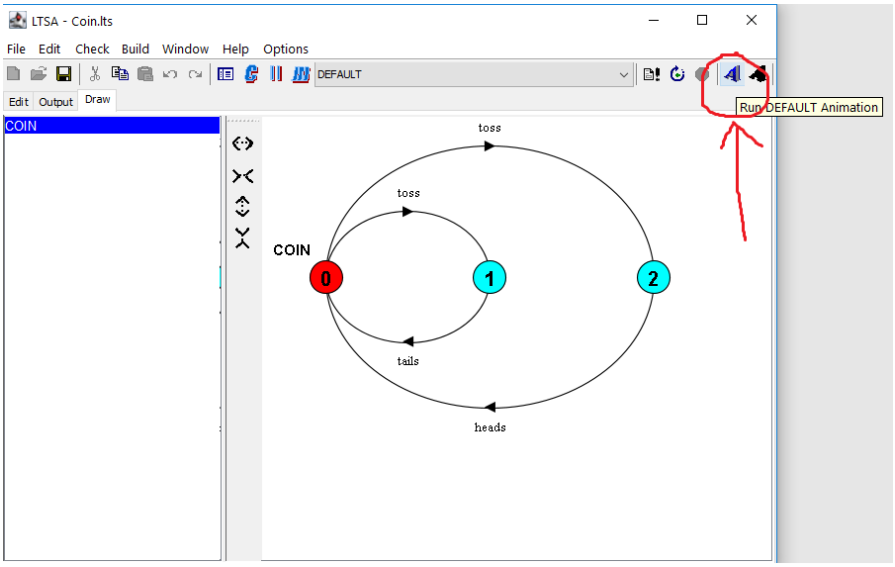
Build -→ Compile



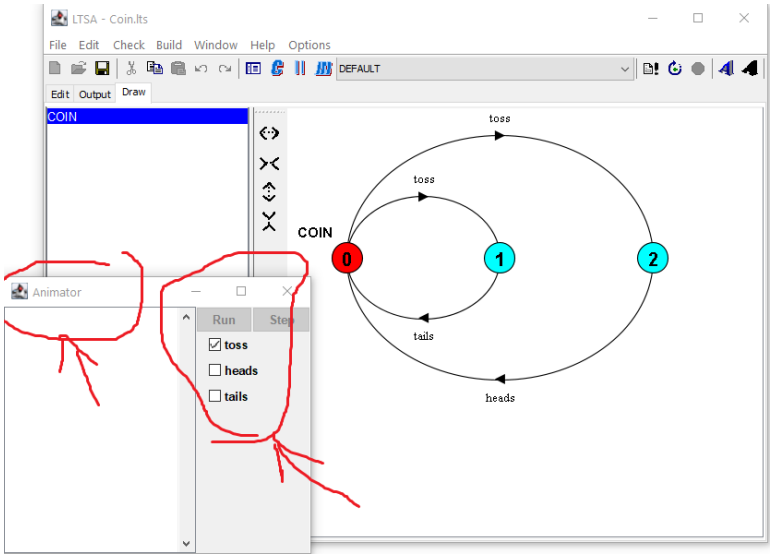
Then click on Draw and select your code (coin) and you should be able to see the diagram



The Animator tool can be accessed by clicking on the **Blue (A)**  icon on the top right side of the program.



The animator window will look like this



- The animator tool allows the LTS corresponding to a FSP specification to be viewed graphically

https://www.doc.ic.ac.uk/~jnm/book/book_applets/concurrency.html