

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>

 **Labelled Transition System Analyzer v3.0**
The LTS Analyzer can be run as an Applet from here in browsers which support Java™ 2. A zip file containing jar files and installation instructions can be downloaded from [here](#).

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- 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.

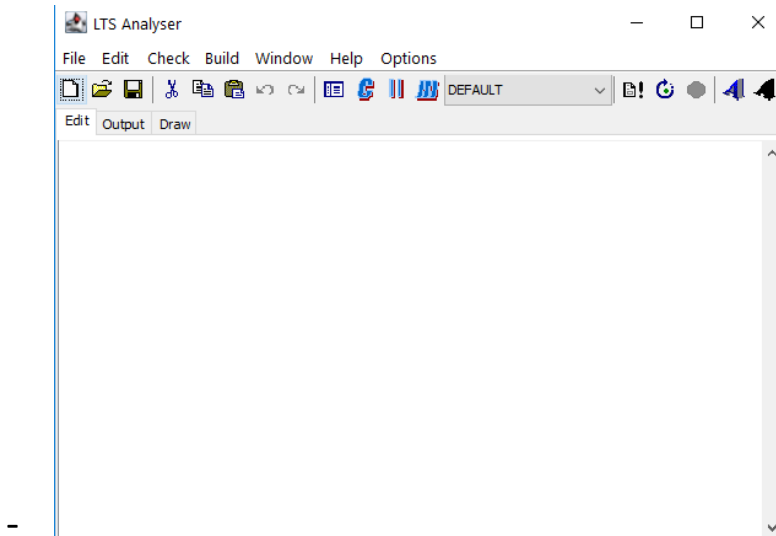
- You can download and install it from here
- <https://www.java.com/en/download/>

After you install JAVA correctly on you system.

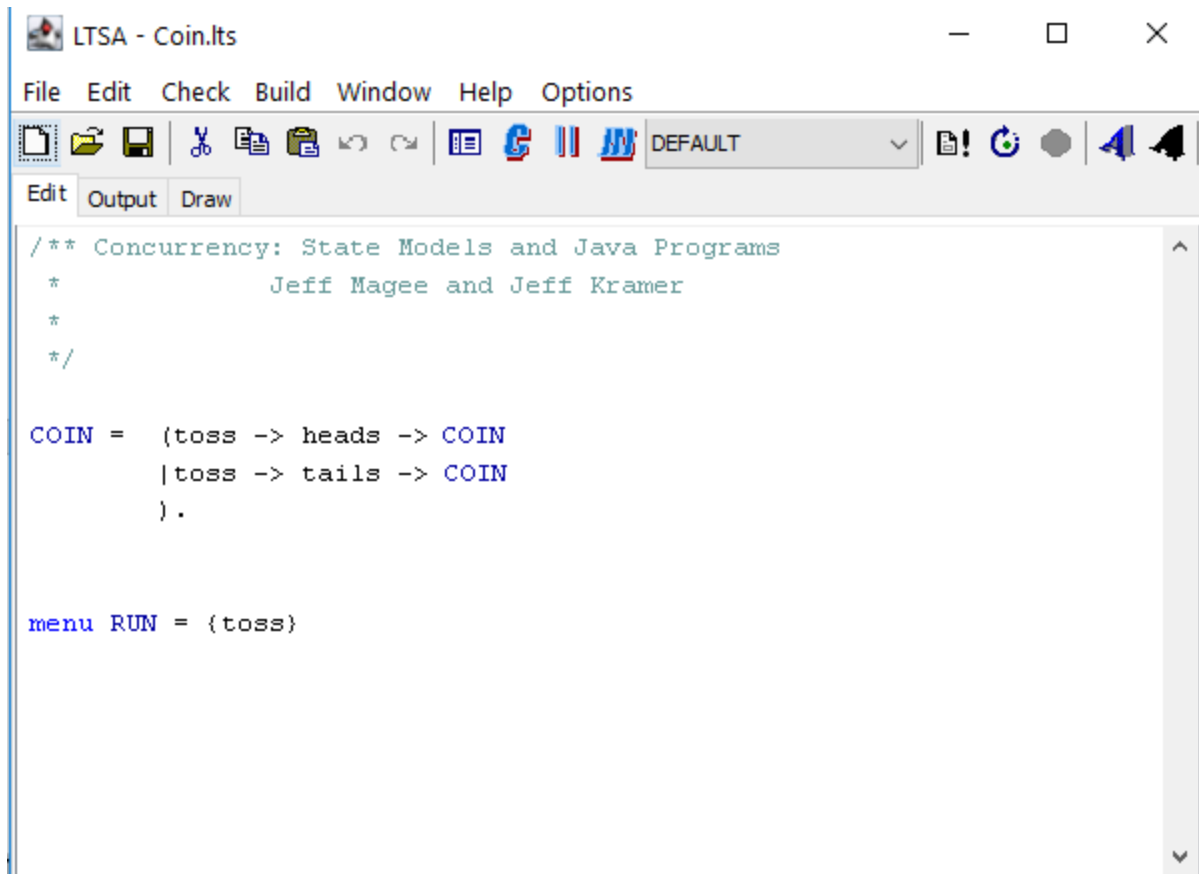
- Download and unzip the tool to your computer
- And Click on **Itsa.jar**

Chapter_examples	4/18/2006 7:45 AM	File folder	
create_file_assoc.vbs	4/19/2006 7:37 AM	VBScript Script File	1 KB
create_shortcut.vbs	4/19/2006 7:37 AM	VBScript Script File	1 KB
ltl2buchi.jar	10/8/2003 7:41 AM	WinRAR archive	79 KB
Itsa.bat	4/18/2006 9:11 AM	Windows Batch File	1 KB
Itsa.ico	12/4/1998 2:58 PM	Icon	1 KB
Itsa.jar	4/19/2006 5:49 PM	WinRAR archive	440 KB
Itsafile.ico	12/4/1998 2:57 PM	Icon	1 KB
README.txt	4/18/2006 2:20 PM	Text Document	1 KB

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- And you will get this window.

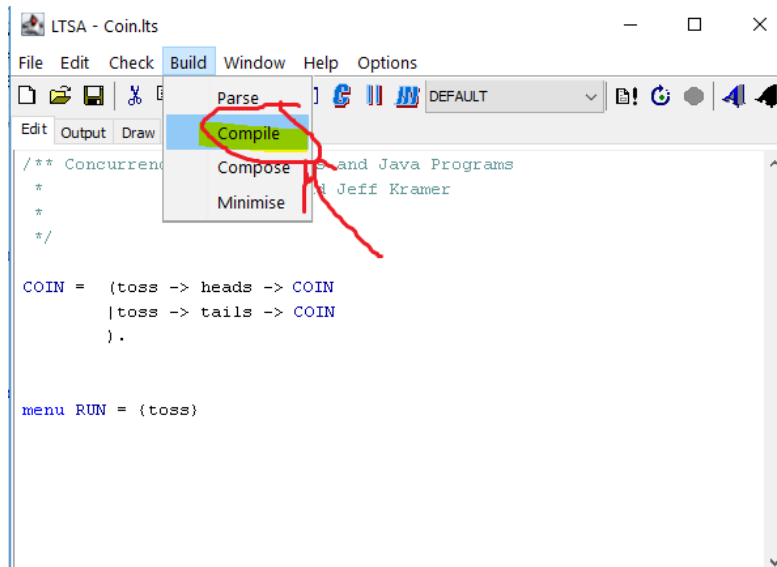


-You can find textbook example in **File ->Examples ->Chapter 2->Coin**

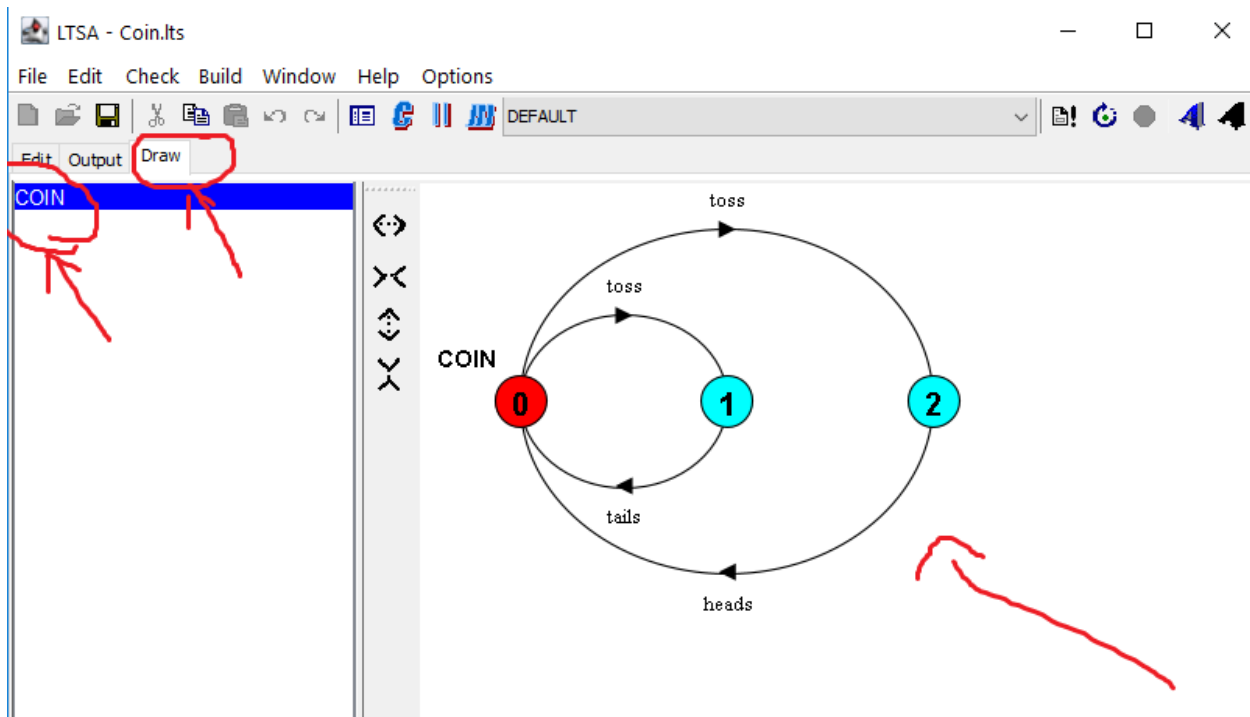


You can Compile you code from

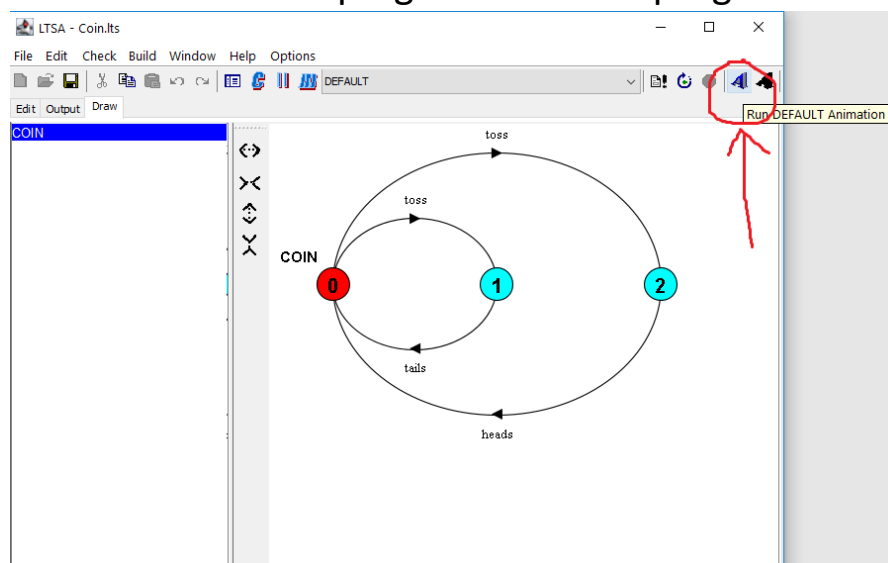
Build -> Compile



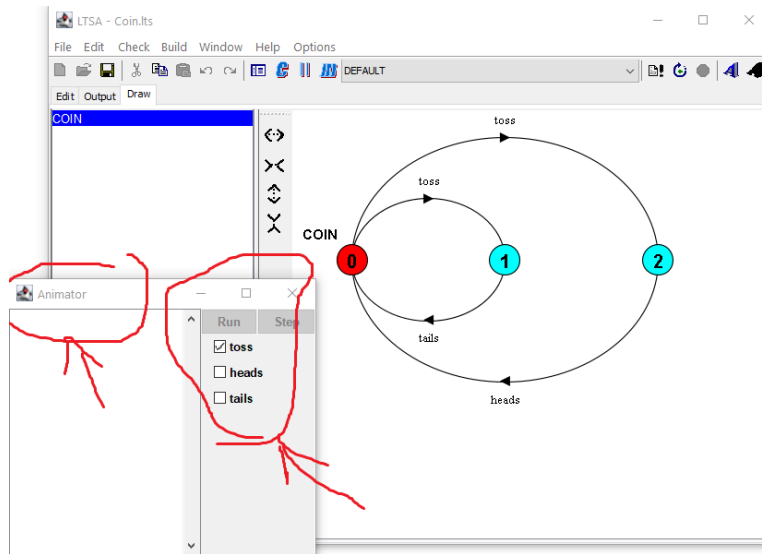
Then click on Draw and select your code (coin) and you should be able to see the diagram



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