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\* Tomasulo Algorithm For Simple Arithmetic Insturction

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\* RichCo.Inc

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\* Name: Tomasulo

\* Creation Date: 11/5/17

\* Author: Richelin Metellus, Ben Trnka

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\* Description: This package contains the source code of an

\* implementation of the Tomasulo Algorithm .

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\* Code Review: Code reviewed 11/05/17 by Richelin Metellus

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\* All right reserved to the author of this source code. It should not be \* \* duplicate without consent of the project owner. For further question

\* email: Richelin.metellus@ndsu.edu

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To run this program you need a java ide.

Compile the source code by pressing run

The program will ask you to input the folder location of the document to read the instructions from and the Name of the txt file

**Note: the folder location is not an Absolute file path. It is just the root folder**

**Ex: folder directory**: C:\Users\Rich\eclipse

File name : tomasulo.txt ( the extension is required)

* It is very import that the text file is in the order outlined below
  + No space in between line
  + The number of instruction state in the file is exactly match the number of instruction

Example of file name: tomasulot.txt

5 <----- number of instructions in the file

13 <------ number of cycle to simulate

0 2 4 6 <------ 0:add R2, R4, R6

2 4 3 5

1 5 3 1

3 4 4 1

2 1 4 1

3 <------ register[0]

4

6

21

3

4

9

0 <---- register[7]

The output will be detail for each clock cycle and the Final State