

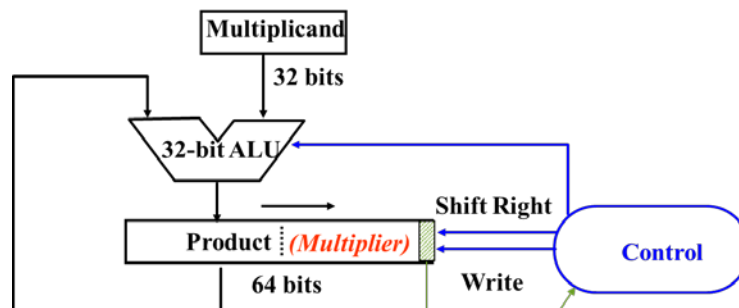
## CSE 331/503

### Computer Organization

#### Homework 3

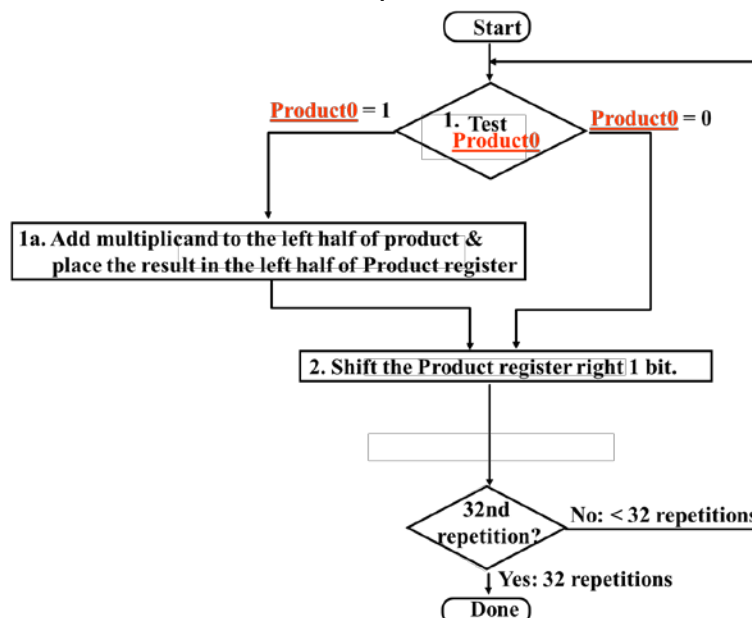
**Due Date 25/12/2020 Friday 17:00**

In this assignment you will the below Unsigned Number Multiplier using Logisim.



Your Logisim design will have two circuit files: control.circ and datapath.circ. You will combine them in a mult32.circ file to have the 32 bit multiplier.

Your Control Unit will implement the below ASM:



- Write a report showing and explaining the three circ files.
- Perform simulations and check for accuracy. Not working designs will not get above 30pts. If the mistake is small it is your responsibility to find and correct it.
- Cheating results in -100 even from outer resources if not mentioned in the report.