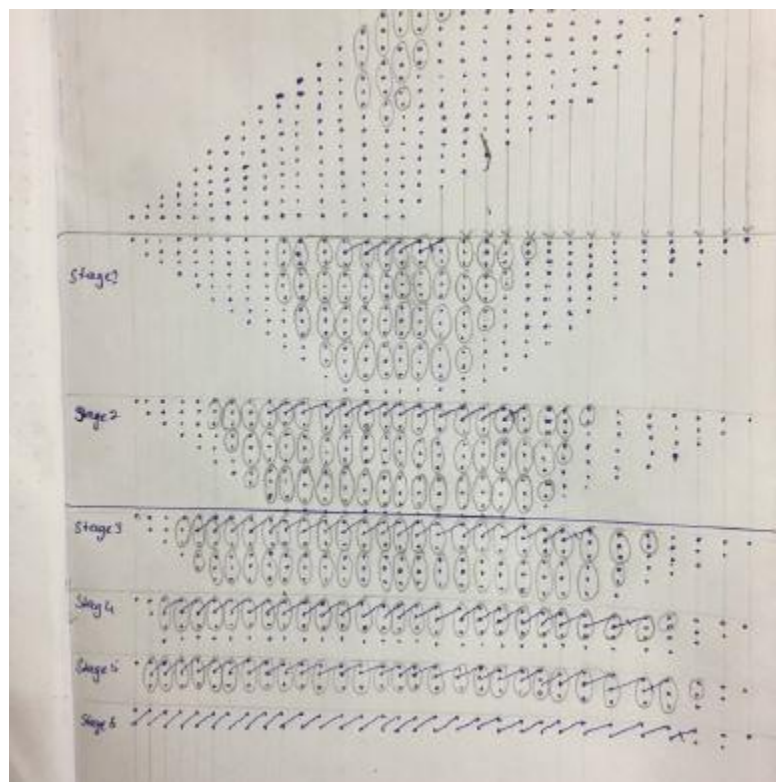


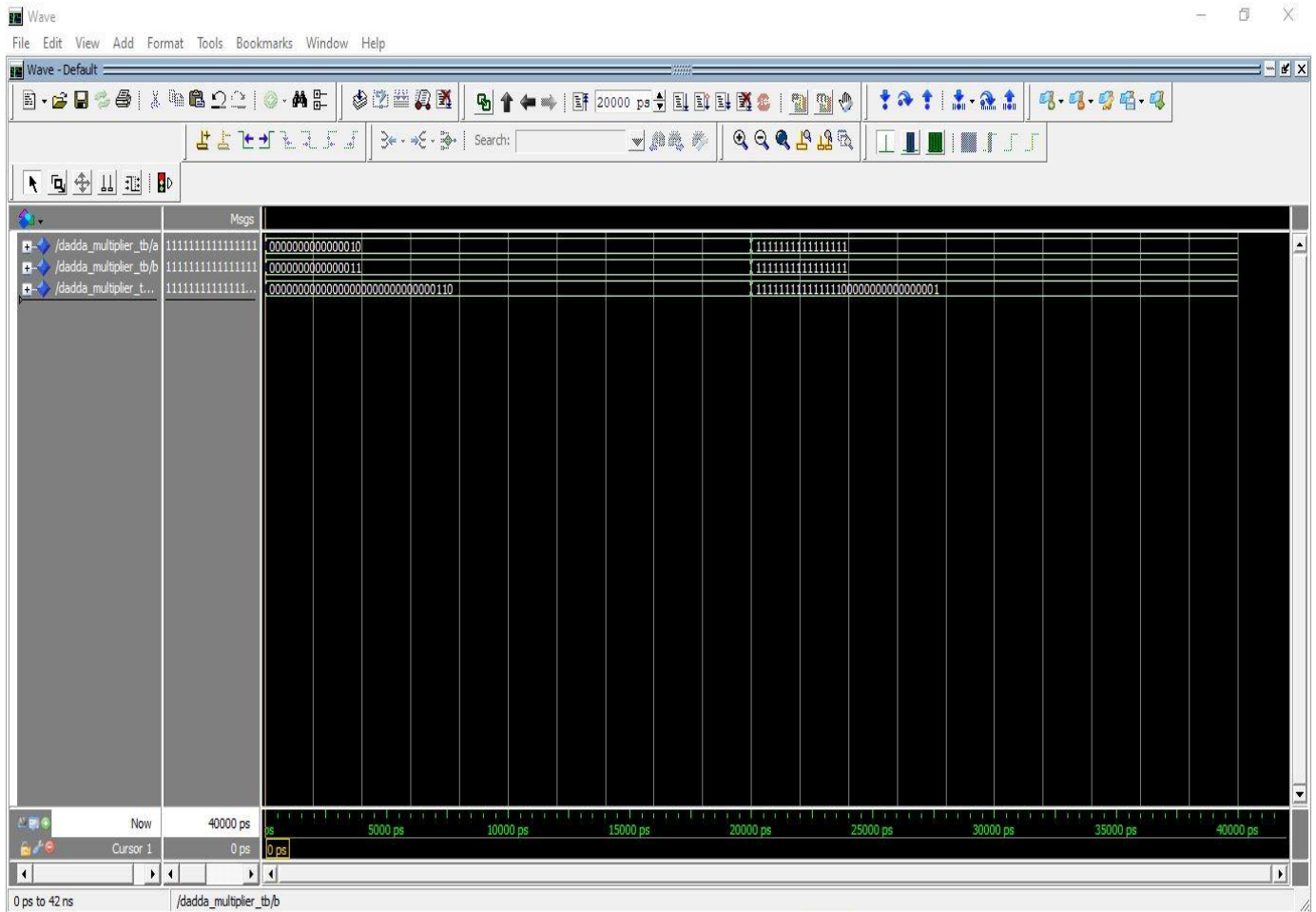
# EE 671: VLSI Design Course Project

## 16x16 Dadda Multiplier

### 1. 16x16 Dadda Multiplier Dot Diagram



- Design a Dadda multiplier for unsigned 16x16 bit multiplication with a Brent Kung adder for the final addition. Write its hardware description in synthesizable VHDL (Without delays) and show its correct working using a test bench with appropriate test vectors.



- 
- The screenshot shows the Waveform Editor interface. The top menu bar includes File, Edit, View, Add, Format, Tools, Bookmarks, Window, and Help. Below the menu is a toolbar with various icons for file operations, editing, and viewing. The main area displays a digital signal trace. The trace is a black line on a white background, representing a digital signal. The signal is high (1) for most of the time, but has a short pulse low (0) around 4.2 ns. The time scale is 3735 ps to 4672 ps. The vertical axis is labeled 'Msgs'. The bottom status bar shows the current time range and cursor position.

