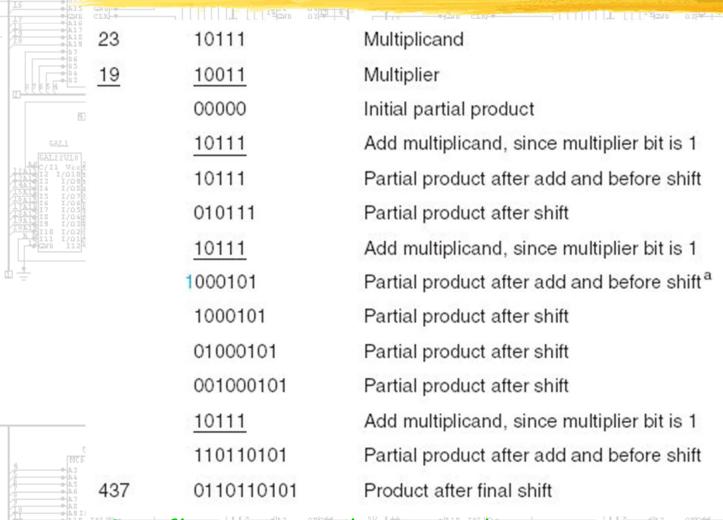
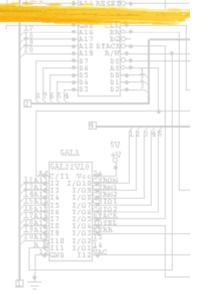


## CS2022 Hardware Multiplication





a. Overflow temporarily occurred

## Binary Multiplier Diagram Multiplicand Counter P Register B log<sub>2</sub>n Zero detect Cout Parallel adder G (Go) Multiplier Control unit Shift register A Shift register Q Product Control signals OUT CS2022, 10th Lecture, Dr. M. Manzke, Page: 7

