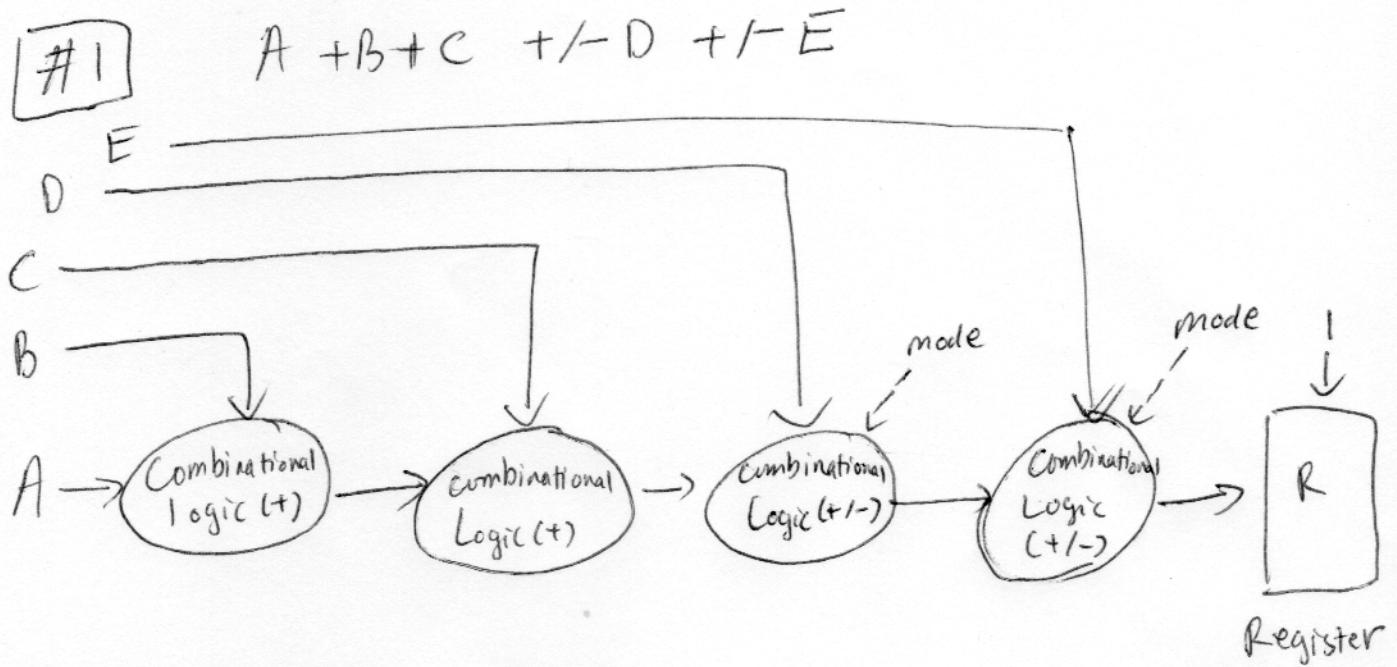


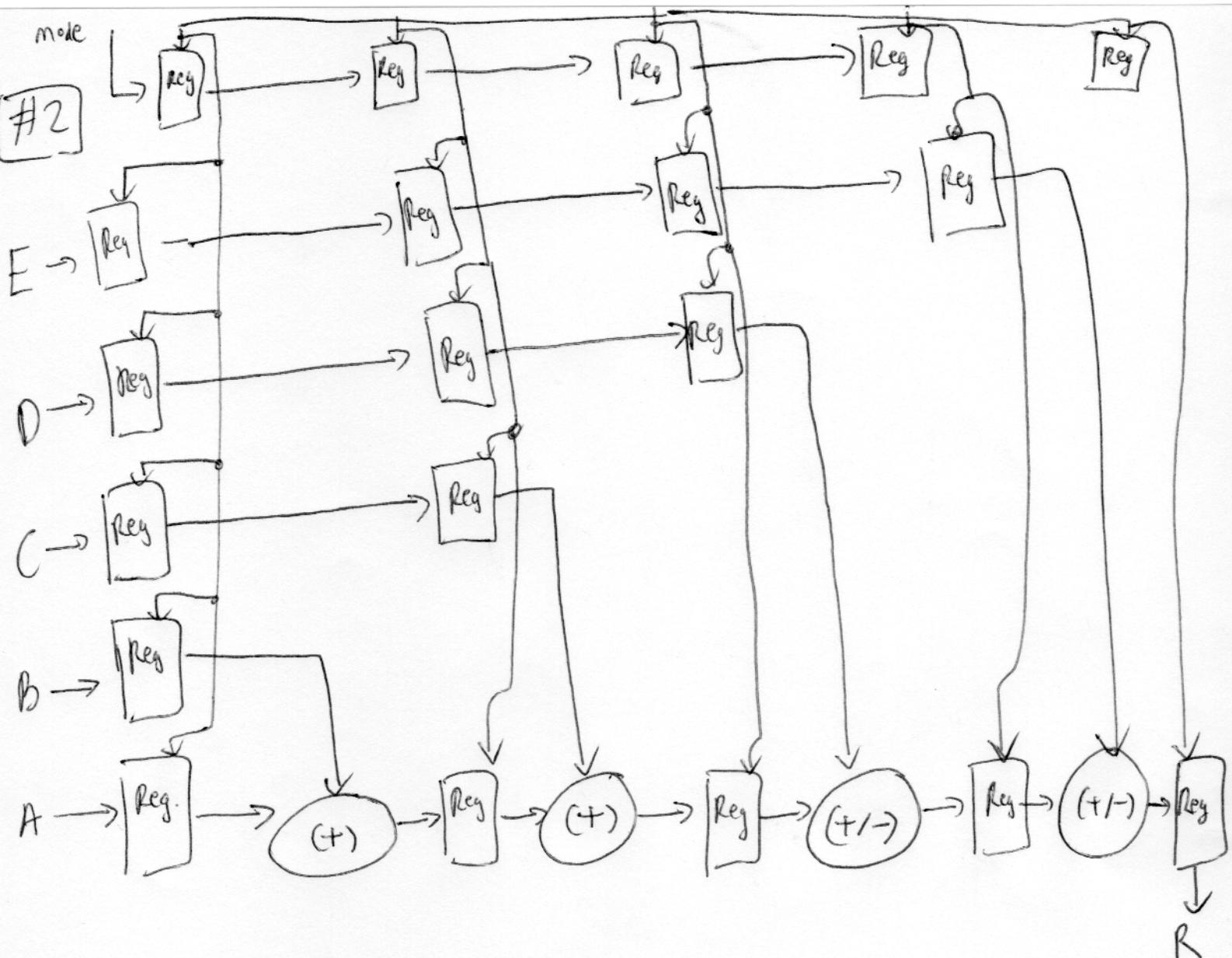
Trinh Nguyen  
 CSC137  
 HW5 - CH6



This datapath contains 2 adder (+) and 2 adder/subtractor (+/-)

$$\text{if } m=0 \rightarrow A + B + C + D + E$$

$$\text{if } m=1 \rightarrow A + B + C - D - E$$

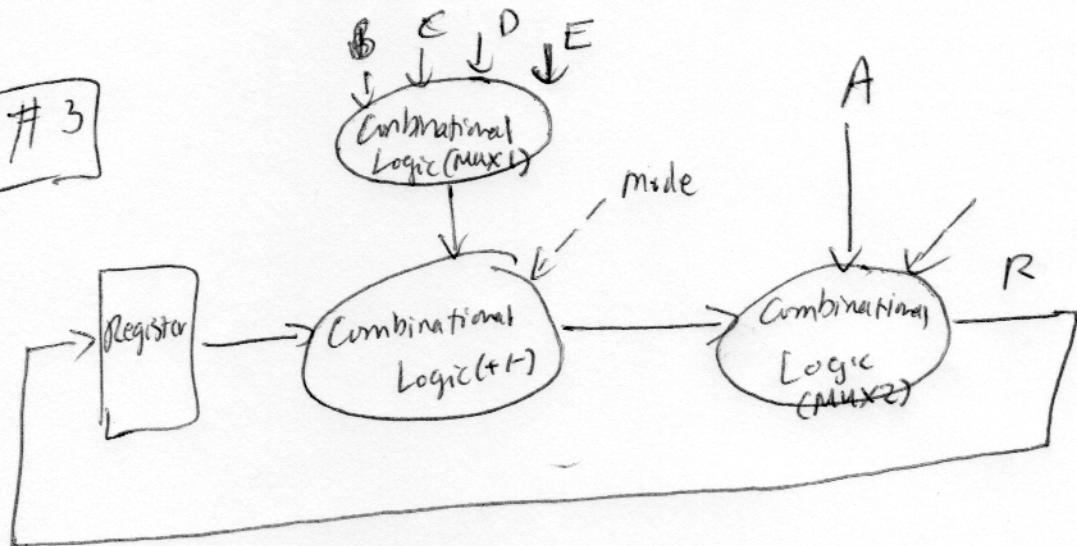


This datapath contains 2 adder (+) and 2 adder/subtractor (+/-)

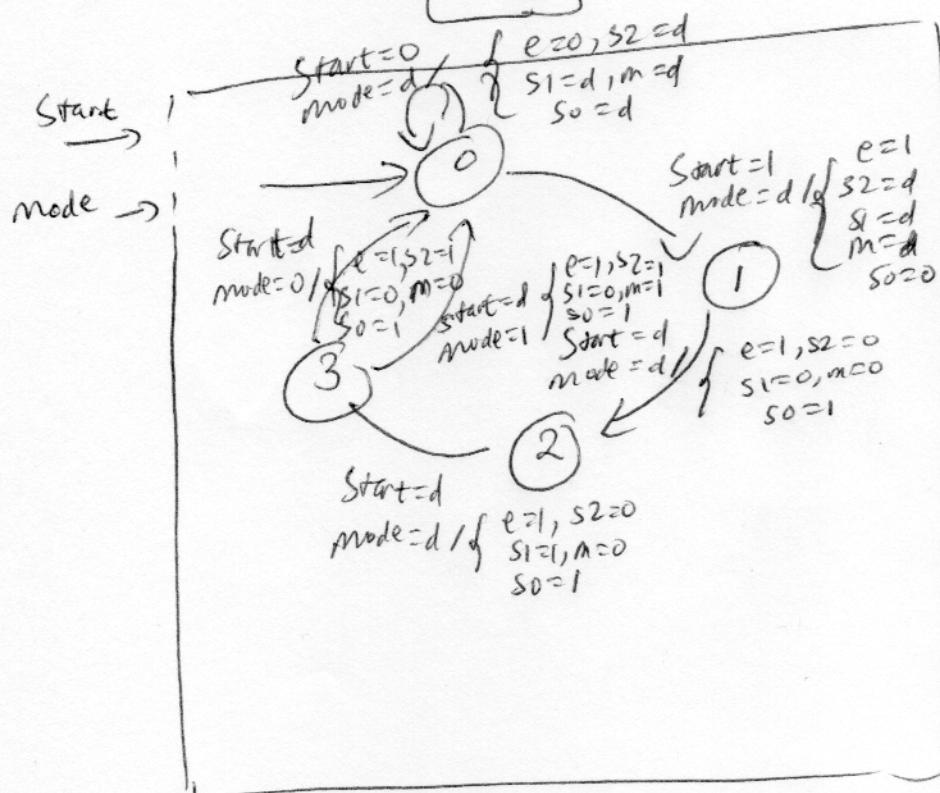
$$m=0 \rightarrow A+B+C+D+E$$

$$m=1 \rightarrow A+B+C-D-E$$

# 3



F SD



$$\begin{aligned}
 \text{Mode } 0 : & A + B + C + D + E \\
 \text{Mode } 1 : & A + B + C - D - E
 \end{aligned}$$

#4

