

state پر عمل کی جانے والی چیزیں

q_0 = No thing q_1 = X-reset, Y-reset, Z-reset, buf4x16jmp, Count16reset, MAC-rst, PE-rst

q_2 = buf4x16write, muxXsel, mux buf 4x16-sel q_3 = 8bufCounter++

q_4 = buf4x16.shift, buf4x16jmp make8buf3.shift++, make8buf = 0

q_5 = mem-mux-sel, reg4x16-rst q_6 = mux.Ysel, muxbuf44sel, buf16.write, mem-mux-sel

, buf4x4(kernel), q_{65} = kernel - kernel + 1, reg-buf44-rst

q_7 = mac-en, count-16-en q_8 = shiftreg we, MAC-rst, ofghi++

q_9 = buf16we, count16rst, reg-shift q_{10} = counter16rst, dmwe, buf16write, shiftregrst, mux2sel

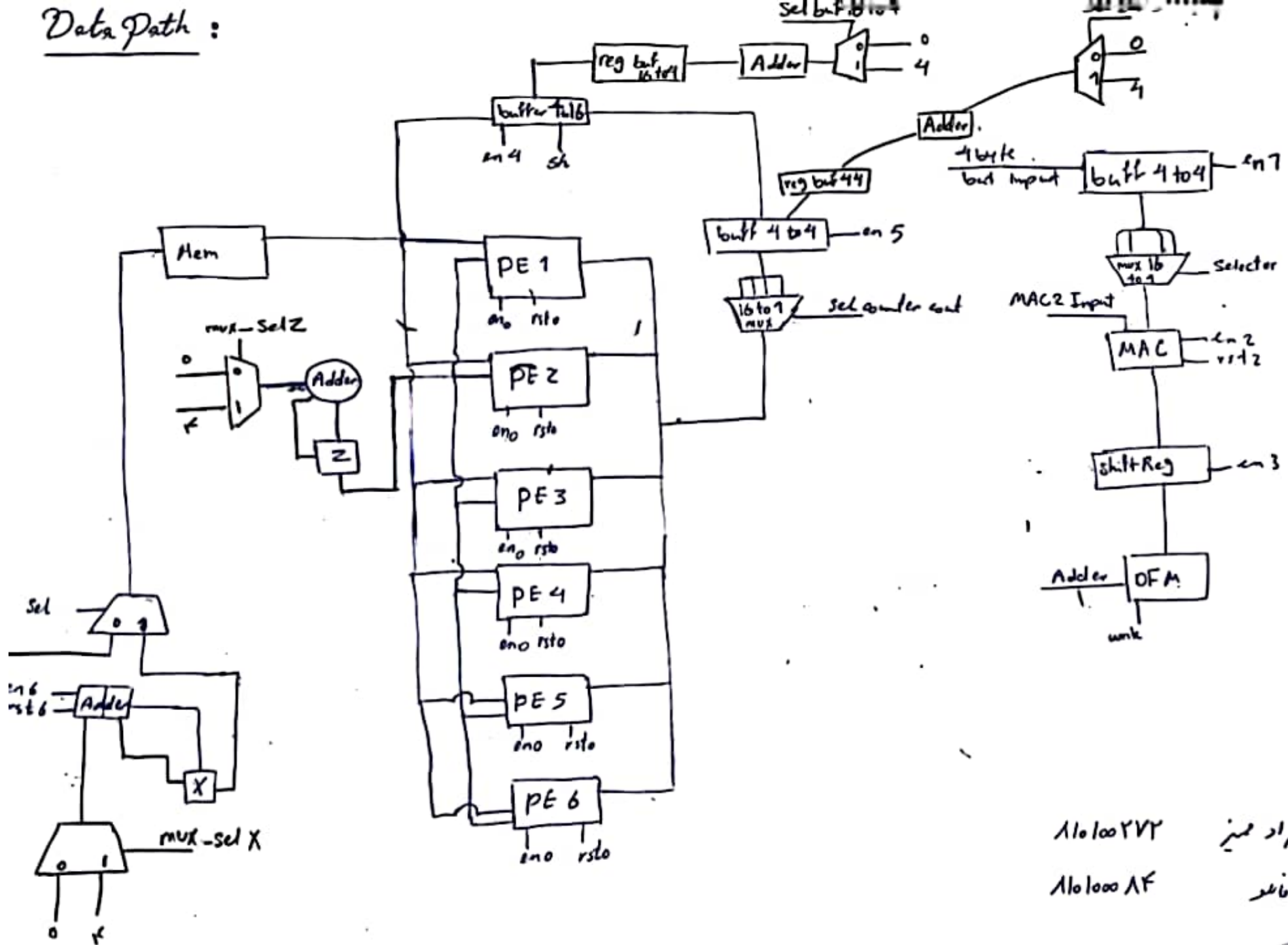
q_{11} = ofghi=0, line++, amodi++ q_{12} = done

q_{13} = buf4x16jmp, buf4x16shift q_{13} = buf4x16write, muxXsel, mux buf4x16sel

q_{14} = regbuf4x16rst q_{14} = buf16write, ofghi=0, result=0, mac-mux=0

P4PCO q_{15} : addline++;

Data Path :



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