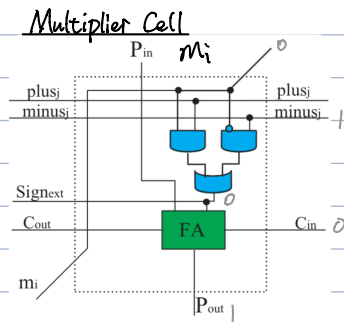
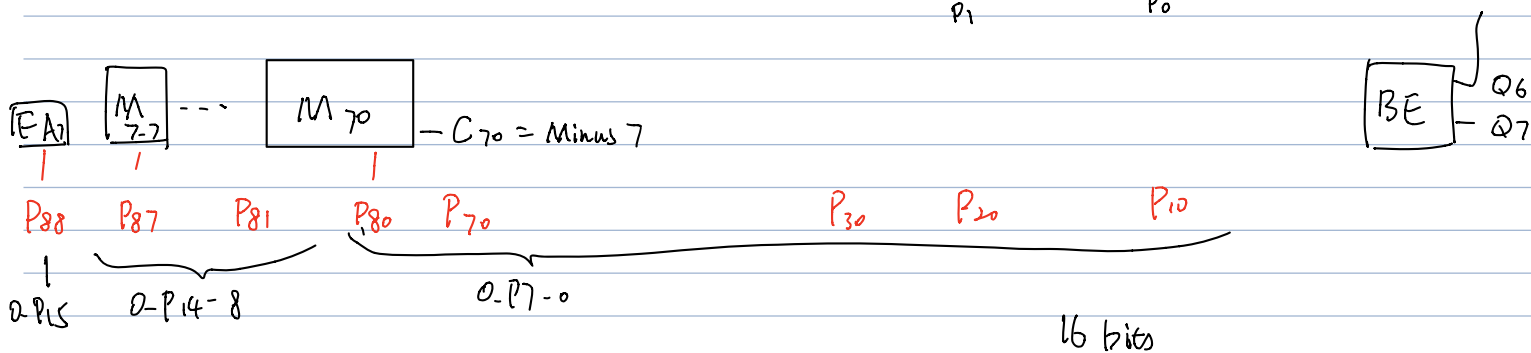


Multiplier Cell

[illegible]

$|x|$

Plus : 0010 Pix : 11111111

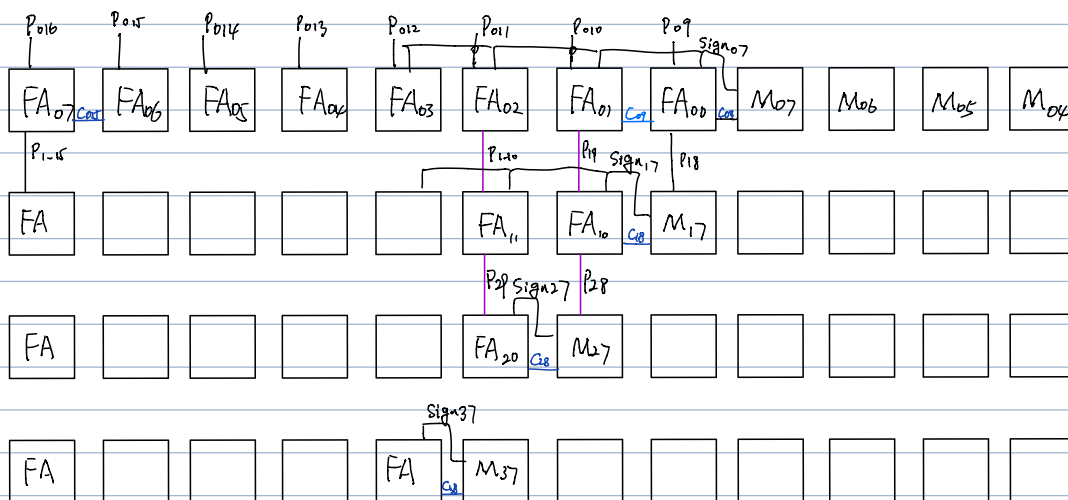
Minus : 0001 10 9 8 7 6 5 4 3 2 1 0

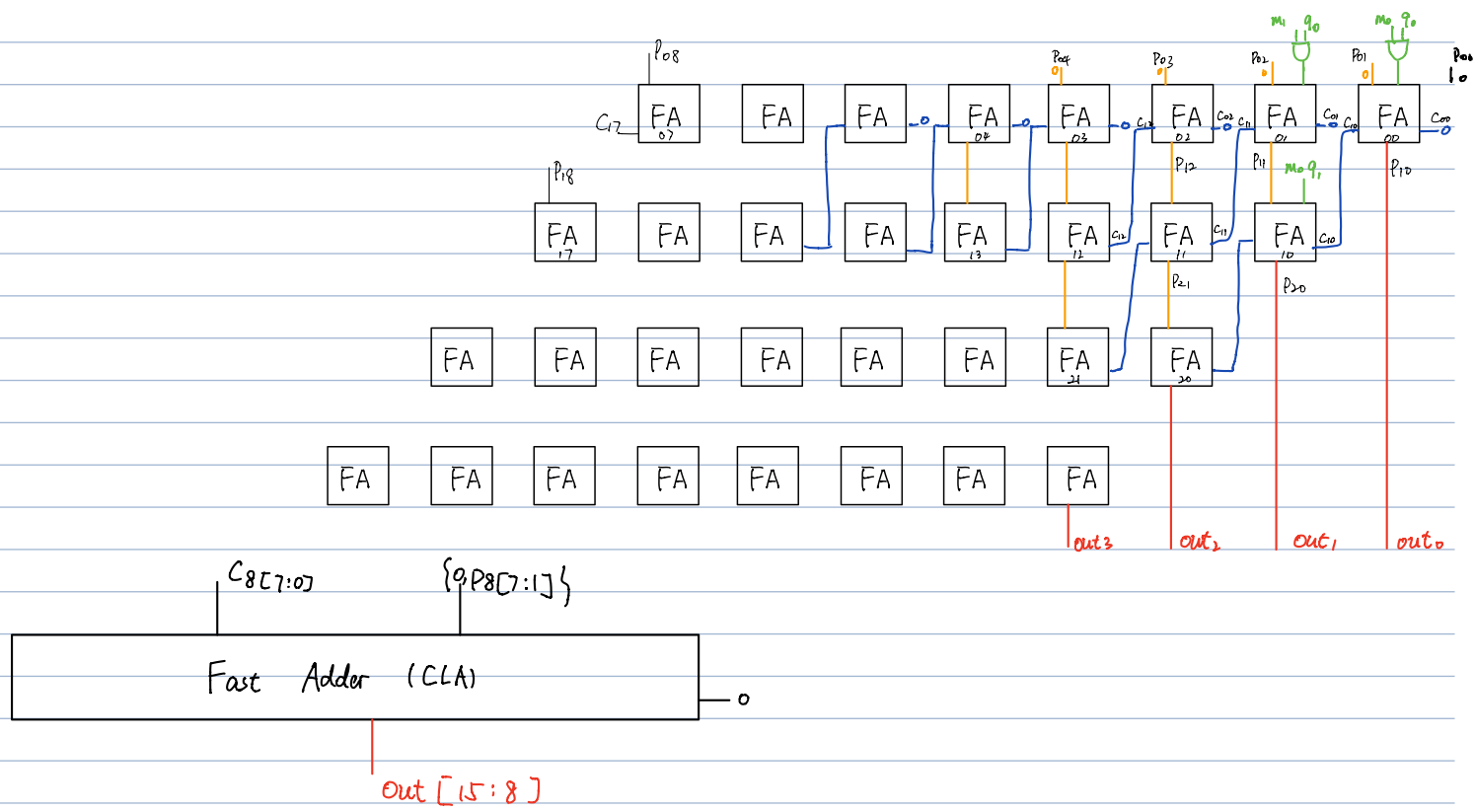
x)

Pix

1 --- 0 0 0 10 0 0 0 0 0 0 0 0

$$C_{00} = 1 \quad C_{01} = 0$$

$$\text{Sign}_{00} = 0$$
$$C_{02} = 0 \quad \text{Sign}_{01} = 1$$




Part 1:

ALMs : 120

Regs : 31

F_{max} : 330.91 MHz

Part 2:

ALMs : 85

Regs : 34

F_{max} : 318.78 MHz

Part 3:

ALMs : 100

Regs : 66

F_{max} : 250.56 MHz