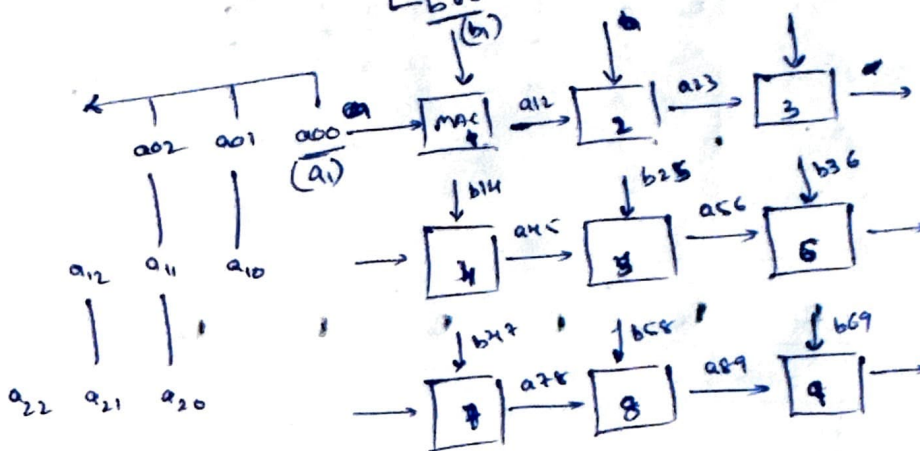
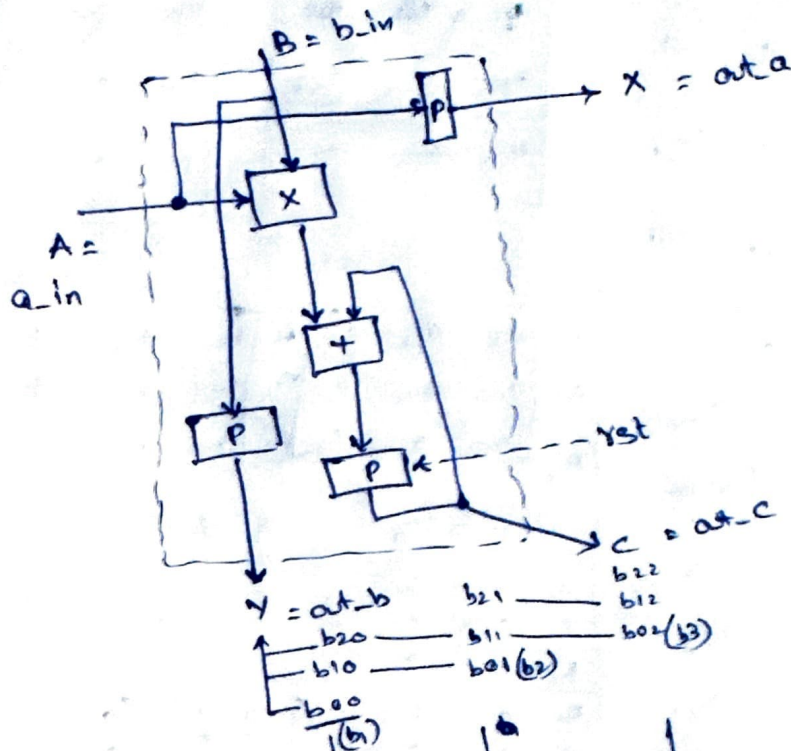
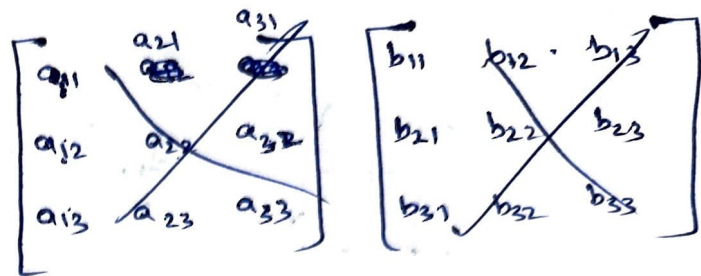


MAC architecture



- ① $C_1 = a_1 + b_1 \Rightarrow C_1 +$
- ② $C_2 = 0 \Rightarrow a_{12} + b_1 \Rightarrow$
- ③ $C_3 = 0$
- ④ $C_4 = 0$
- ⑤ $C_5 = 0$
- ⑥ $C_6 = 0$
- ⑦ $C_7 = 0$
- ⑧ $C_8 = 0$
- ⑨ $C_9 = 0$



$$p_9 = a_{31}b_{13} + a_{32}b_{23} + a_{33}b_{33}$$

$$\begin{pmatrix} 1 & 4 & 7 \\ 2 & 5 & 8 \\ 3 & 6 & 9 \end{pmatrix} \begin{pmatrix} 9 & 6 & 3 \\ 8 & 5 & 2 \\ 7 & 4 & 1 \end{pmatrix}.$$

[illegible]

$$\begin{pmatrix} 1 & 4 & 7 \\ 2 & 5 & 8 \\ 3 & 6 & 9 \end{pmatrix} \begin{pmatrix} 9 & 6 & 3 \\ 8 & 5 & 2 \\ 7 & 4 & 1 \end{pmatrix}$$

$$9 + 32 + 49$$

$$18 + 40 + 56$$

$$27 + 48 + 63$$

90

$$6 + 20 + 28$$

$$12 + 25 + 32$$

$$18 + 30 + 36$$

$$3 + 8 + 7$$

$$6 + 10 + 8$$

$$9 + 12 + 9$$

$$= \begin{bmatrix} 90 & 54 & 18 \\ 114 & 69 & 24 \\ 138 & 84 & 30 \end{bmatrix}$$