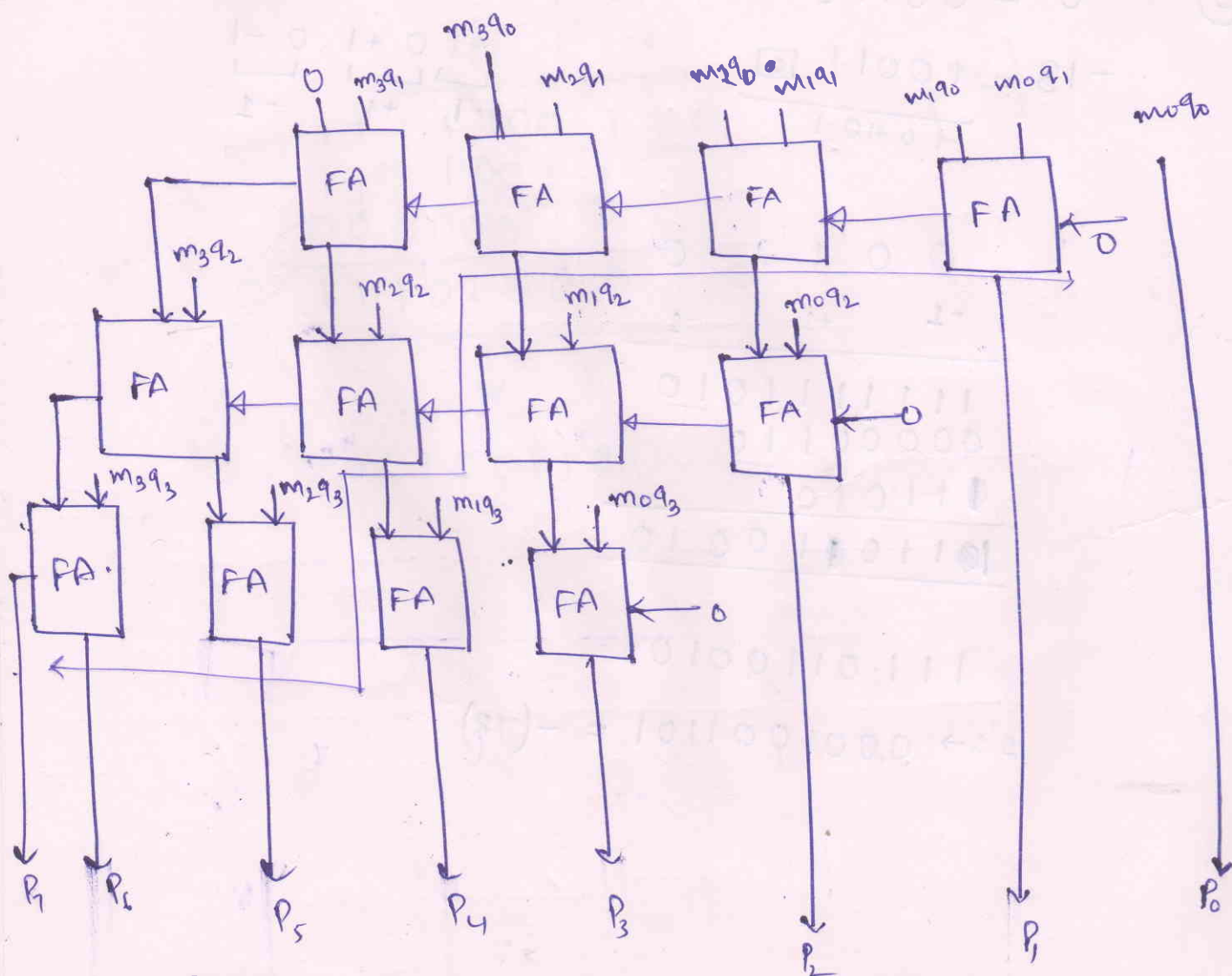
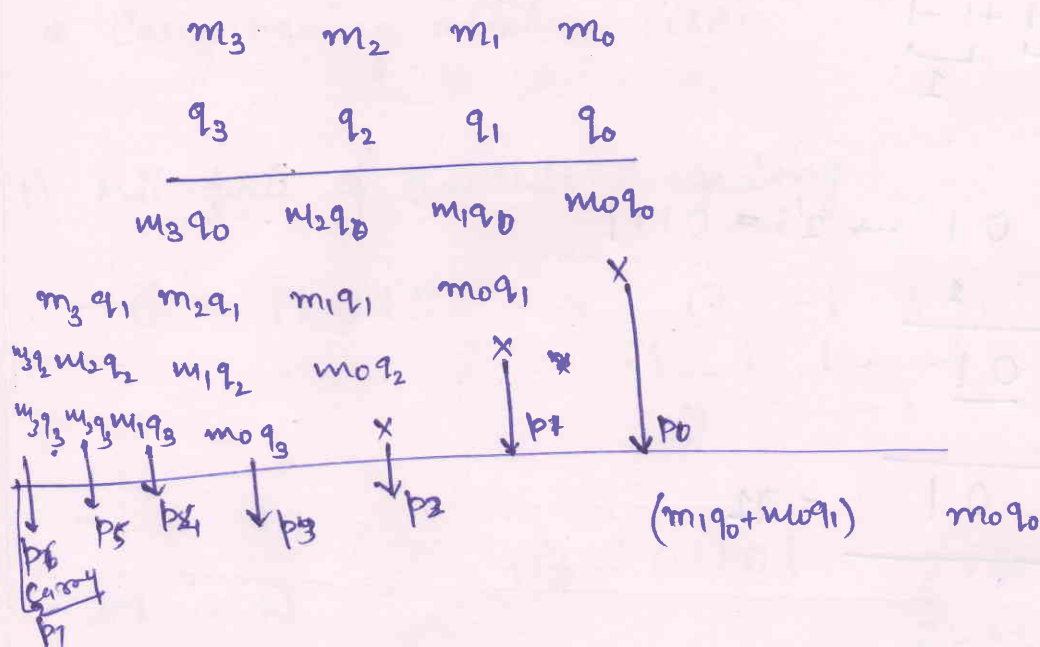
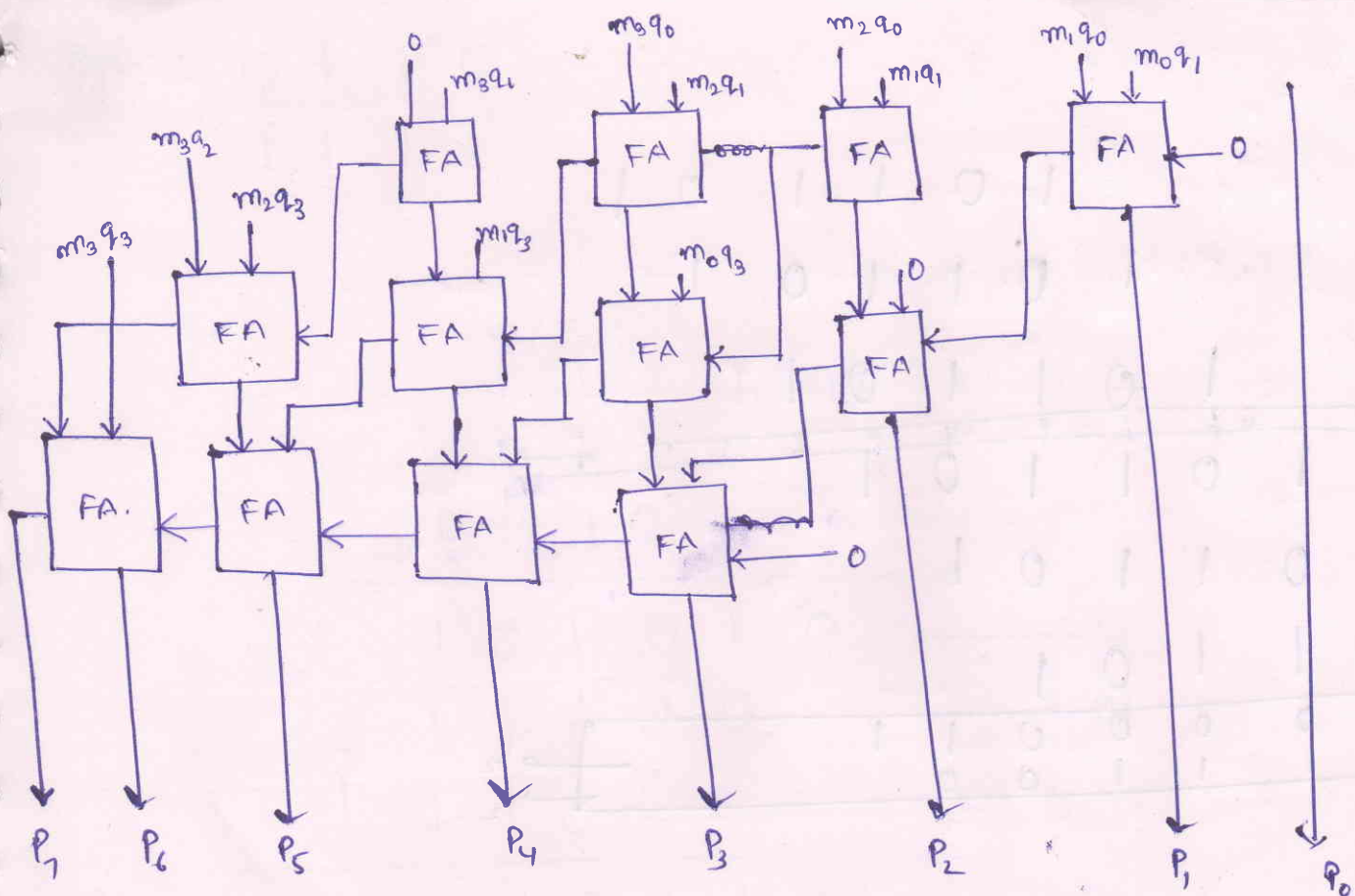


Carry save Array (CSA)



Ripple carry. \rightarrow 17 gate delay.

$$\text{Gate delay} = 2 \times n + (n-2) \times 1 + 1 = 6(n-1) - 1$$



Carry Save array

Example:-

