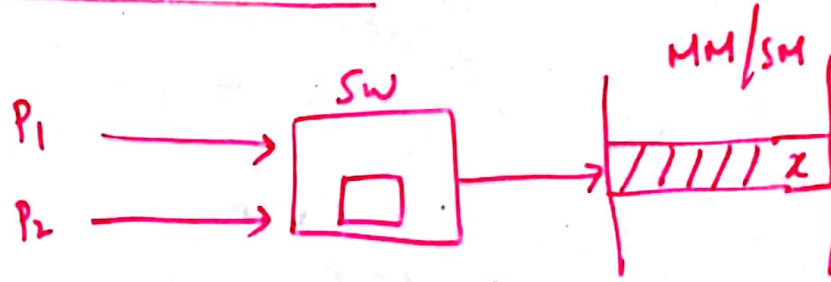


Fetch & Add(x, e)

(fig 7.11 ; page: 346)

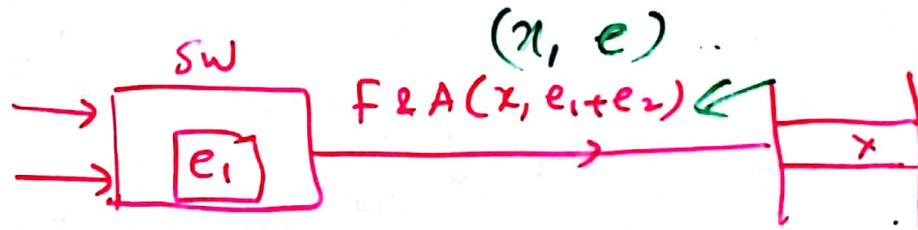
①



$P_1: F\&A(x, e_1)$
 $P_2: F\&A(x, e_2)$

Result: $x \rightarrow P_1$
 $x + e_1 \rightarrow P_2$

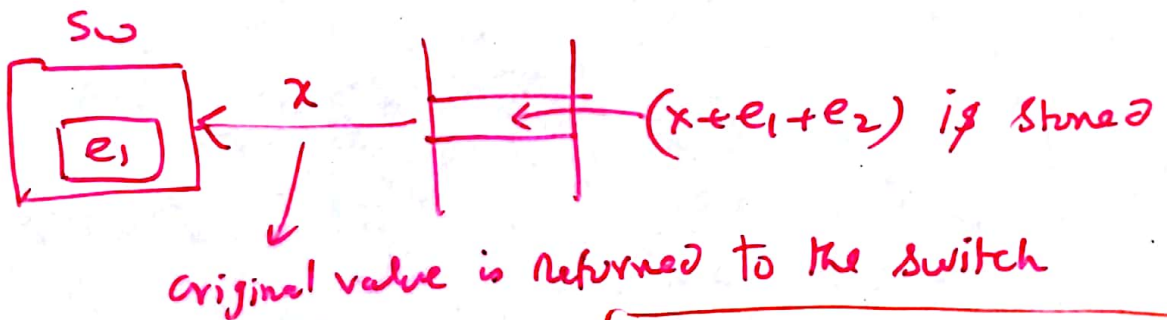
②



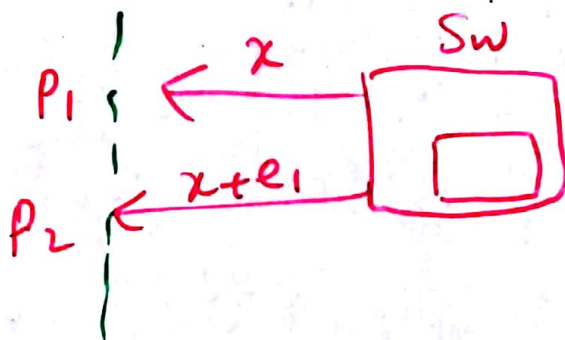
$e = e_1$
 e_1

Switch forms the sum $(e_1 + e_2)$,
 stores e_1 & forwards the combined val to MM.

③



④



Suppose
 $P_2 \rightarrow P_1$
 $Ans_2 \leftarrow x$
 $Ans_1 \leftarrow x + e_2$

Regardless of the executing order, we have $(x + e_1 + e_2)$
 is stored at that loc. in MM.