

$$\Theta = \frac{x}{2}$$

$$CPI = 12$$

$$CPI = 6$$

$$t = x$$

$$Perf. = \frac{1}{L \times \cancel{CPI} \times \cancel{cycles} \times \cancel{t} \left( \frac{sec}{cycle} \right)}$$

sec  
psu

$$CPI = 1 / IPC$$

$$t = 1 / f$$

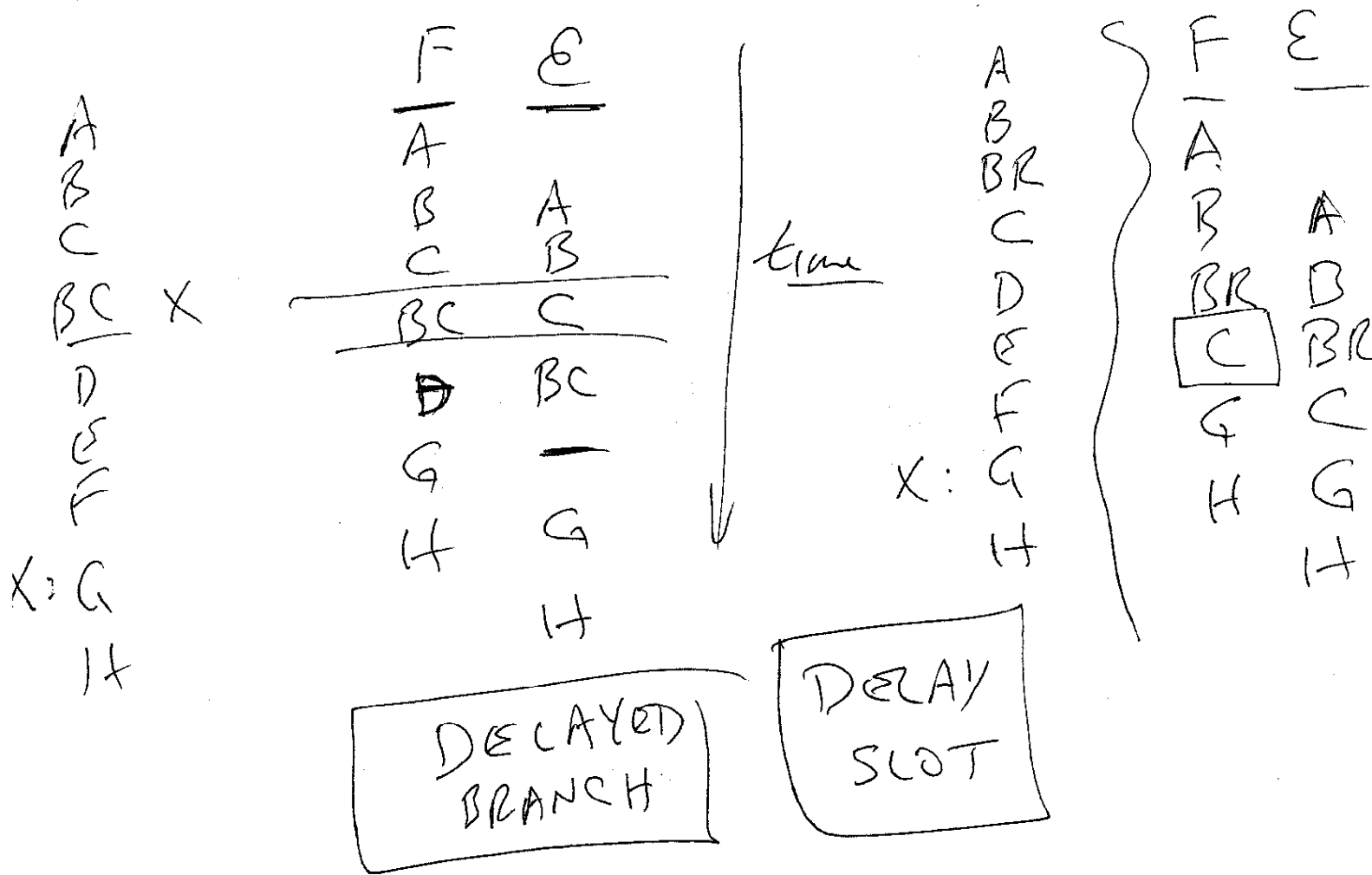
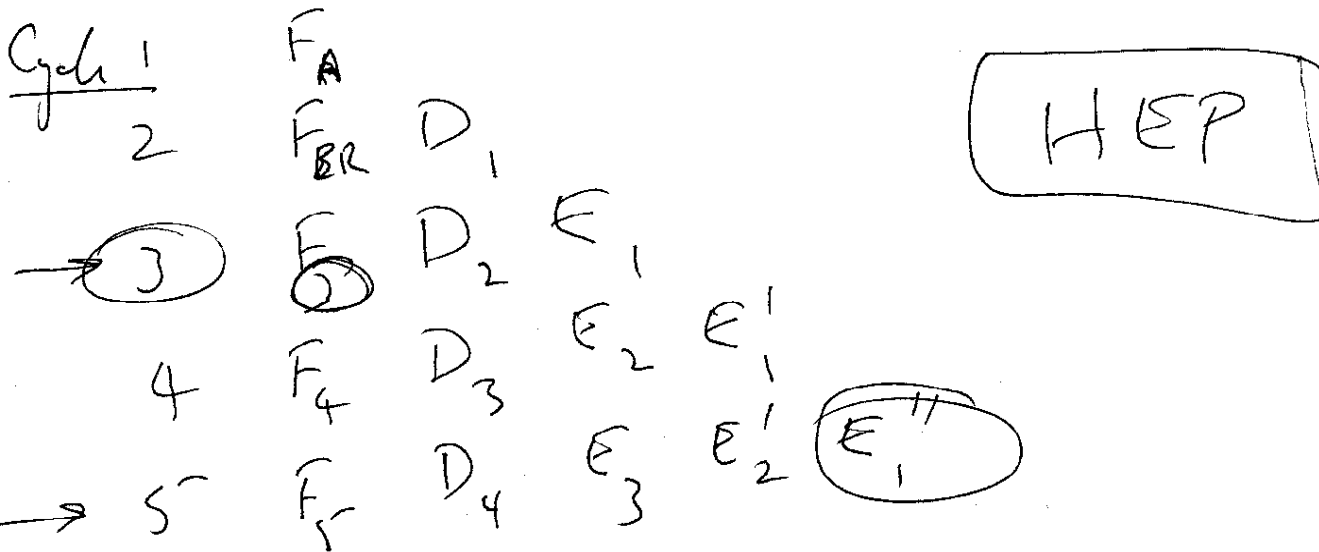
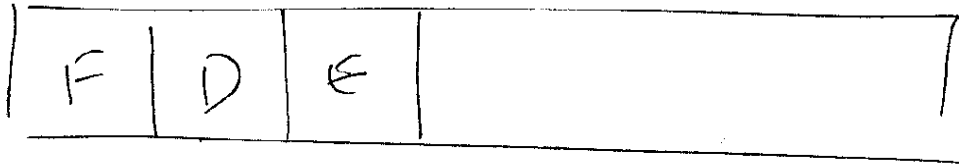
$$Perf. = \frac{IPC \times f}{L}$$

~~R1, R2~~  
 → LD R2, (R1), #  
 ADD R1, #, #

~~PRECISE  
EXCEPTION~~

Flynn's Bottleneck

4 Feb / 2



X: A  
B  
C  
BC X  
NOP  
D

Y: A  
B  
C  
BC Y  
A  
D

DELAYED BRANCH  
WITH SQUASHING