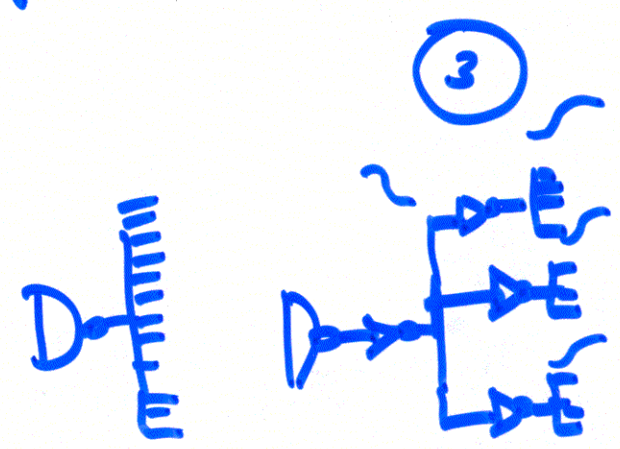
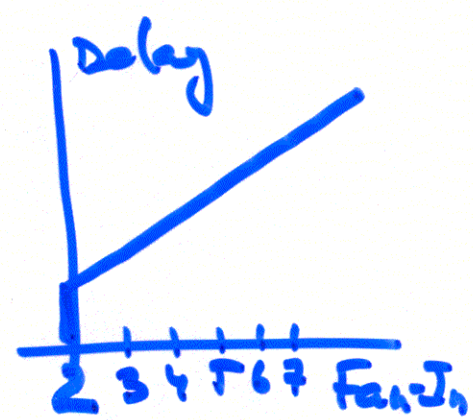
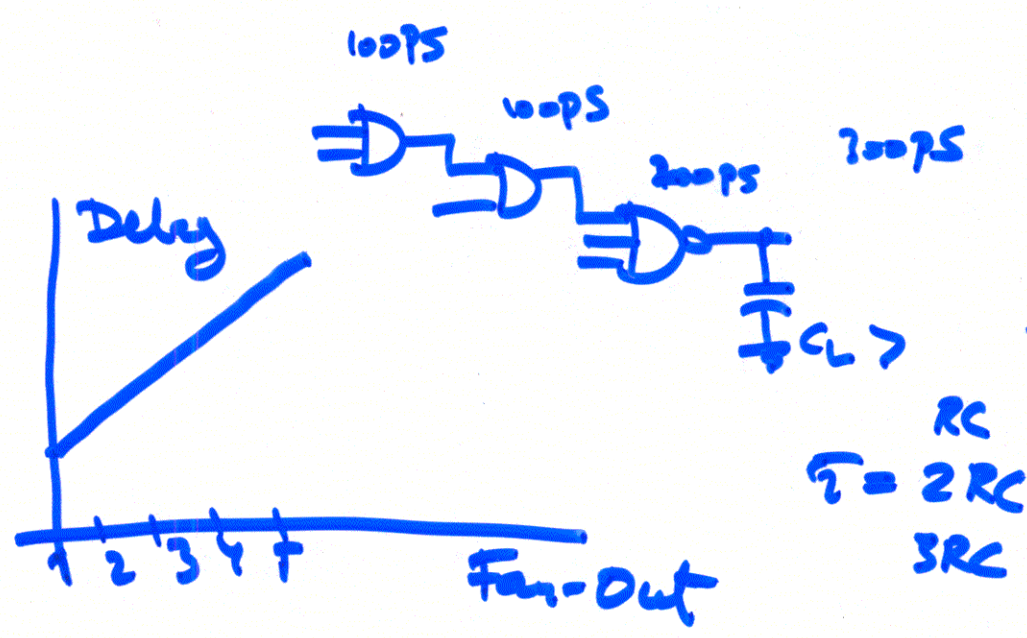
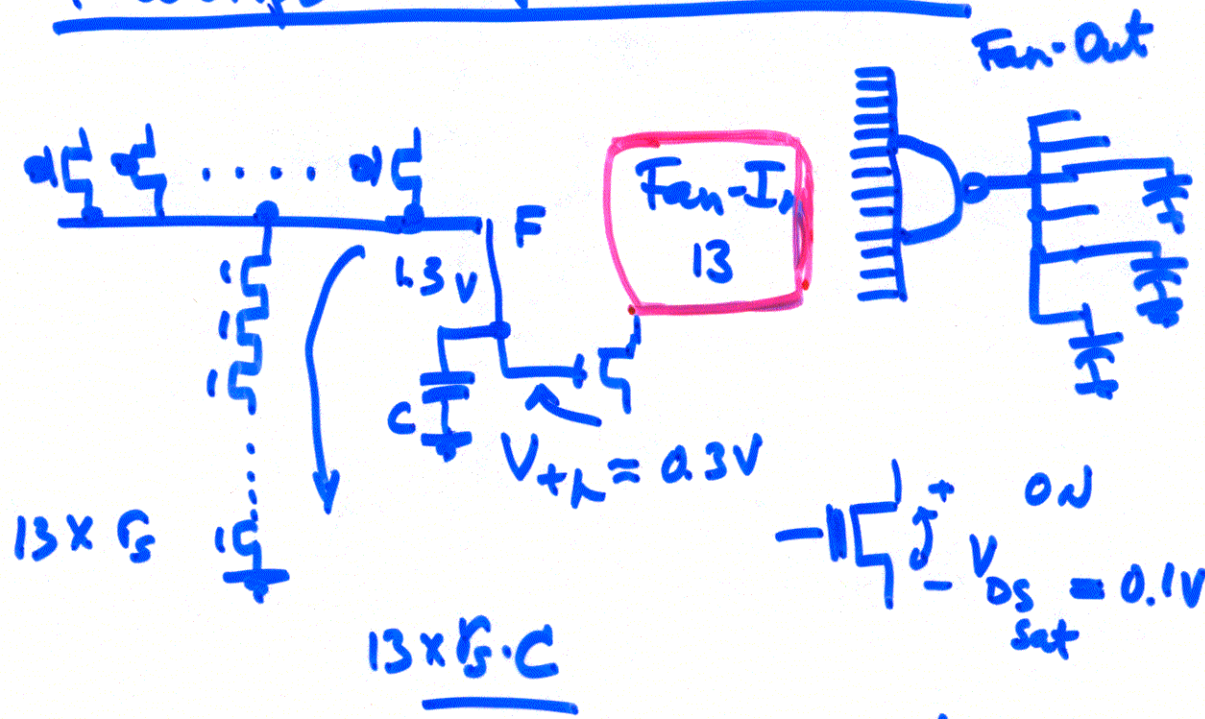
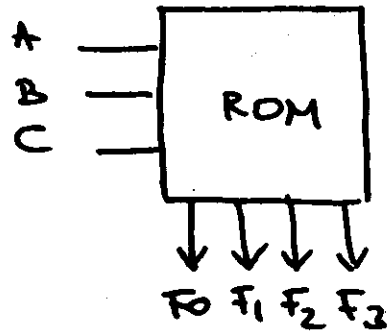


Multiple Output Networks

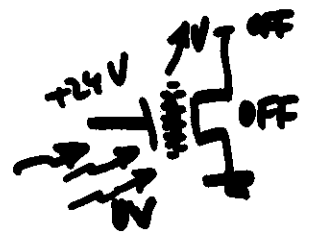
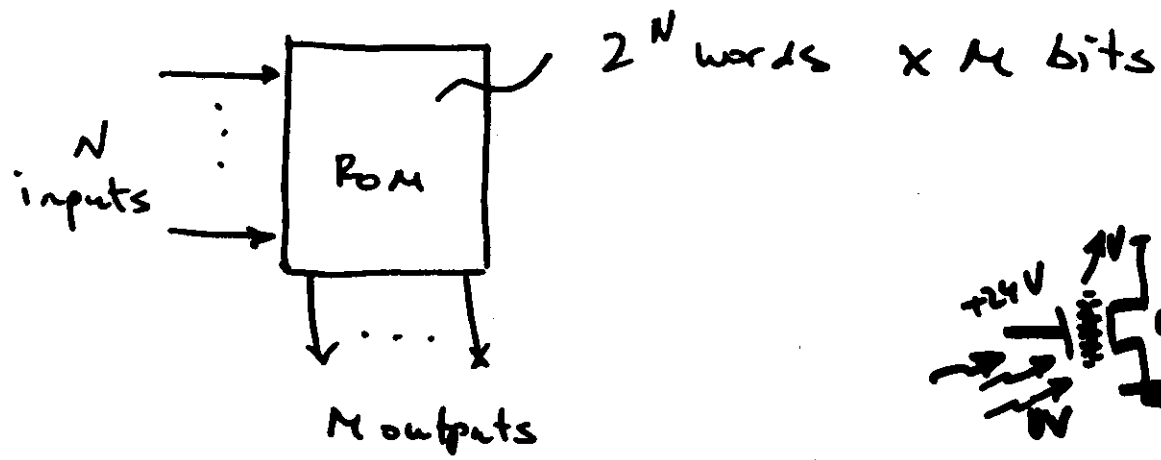


Read Only Memory :



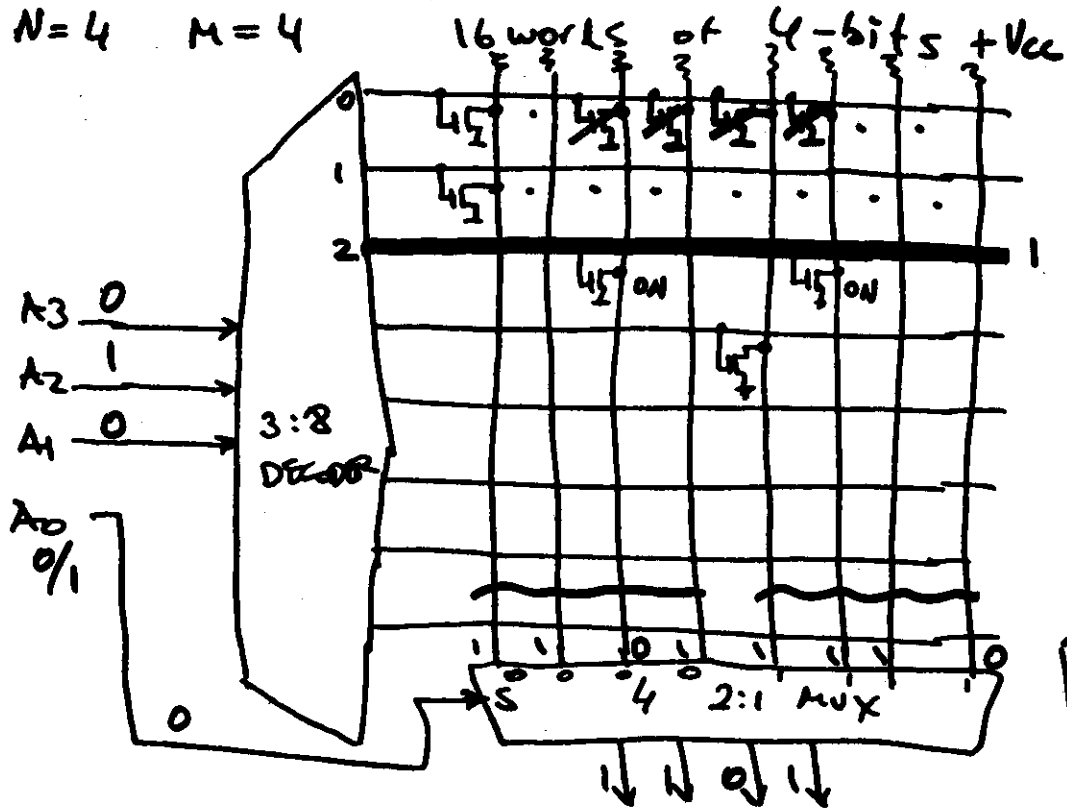
ABC	F ₁	F ₂	F ₃	F ₄
000	1	0		
001	1	0		
010	0	1		
011	0	1		
100	0	1		
101	0	1		
110	1	1		
111	0	1		

General :



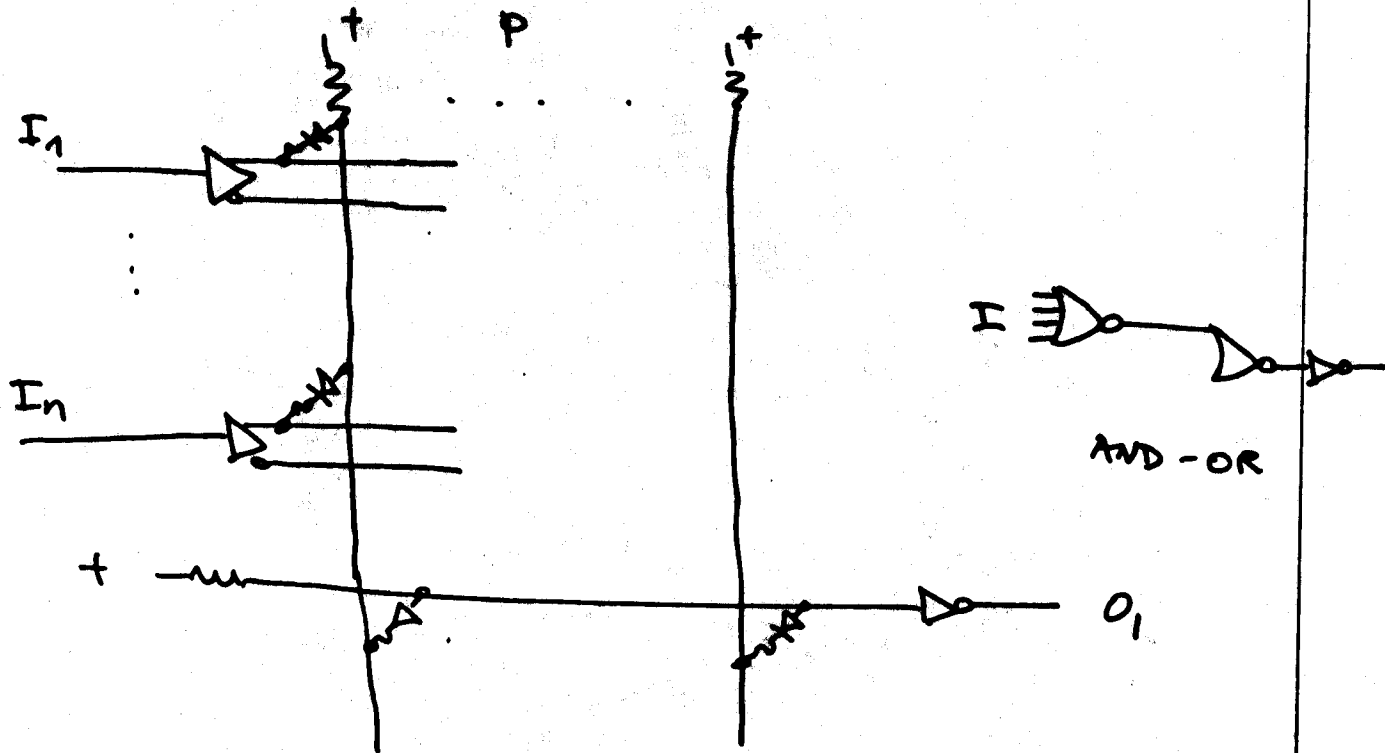
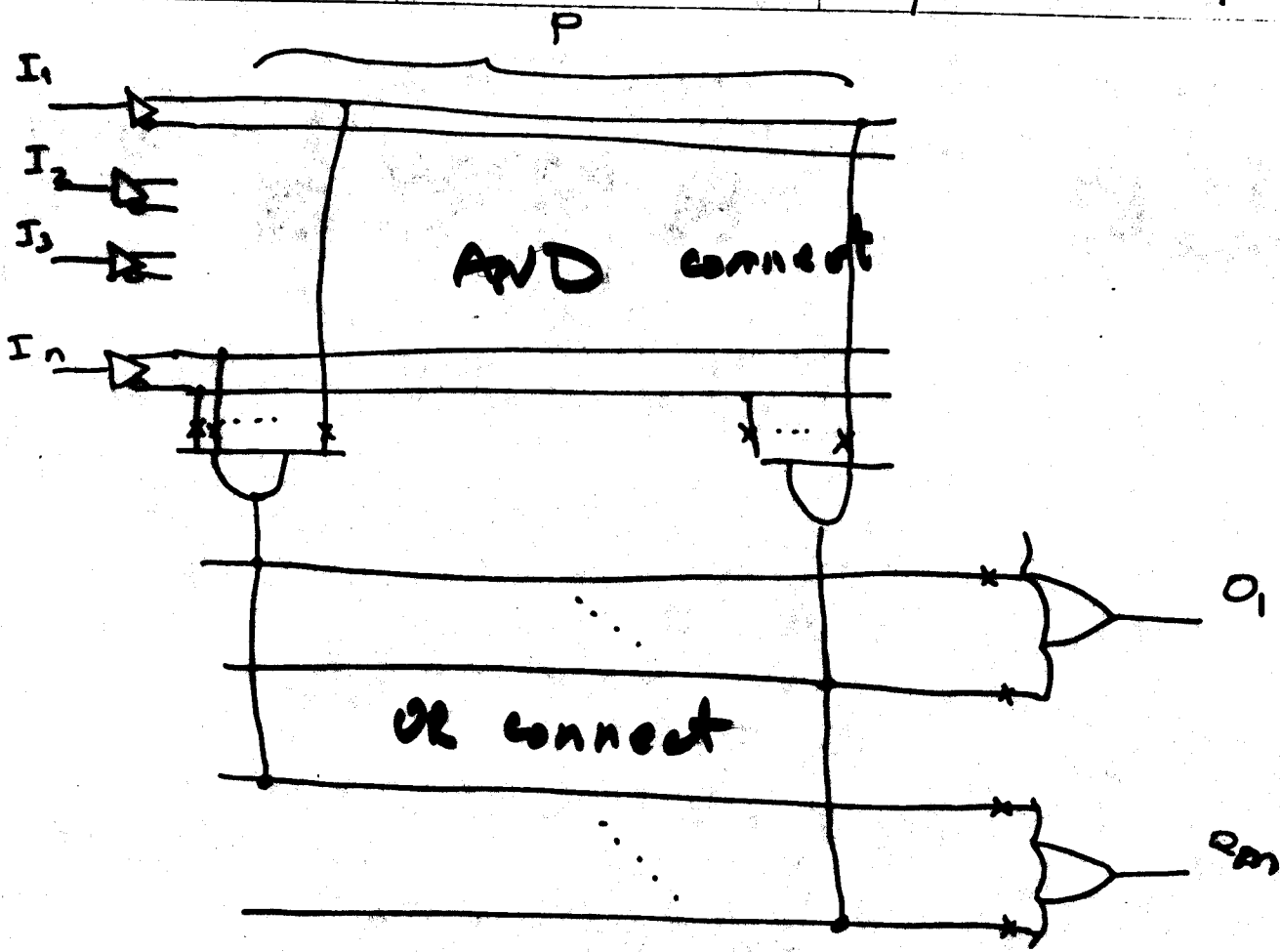
Examl:

$N=4$ $M=4$



Square
8x8
array
ROM

mask program.
EPROM'S
EEPROM'S





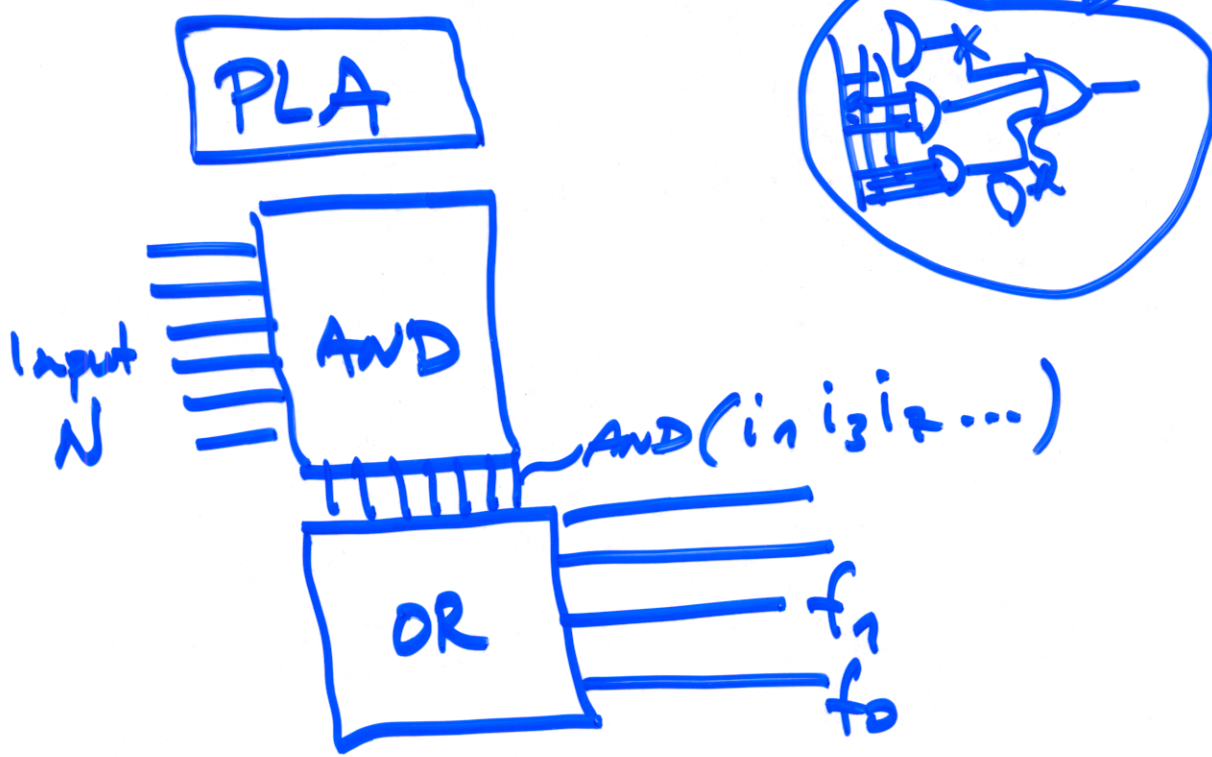
$$\text{loc.} = 2^N = 2^{16} = \underline{\underline{64K}}$$

64k X 32 bits
word

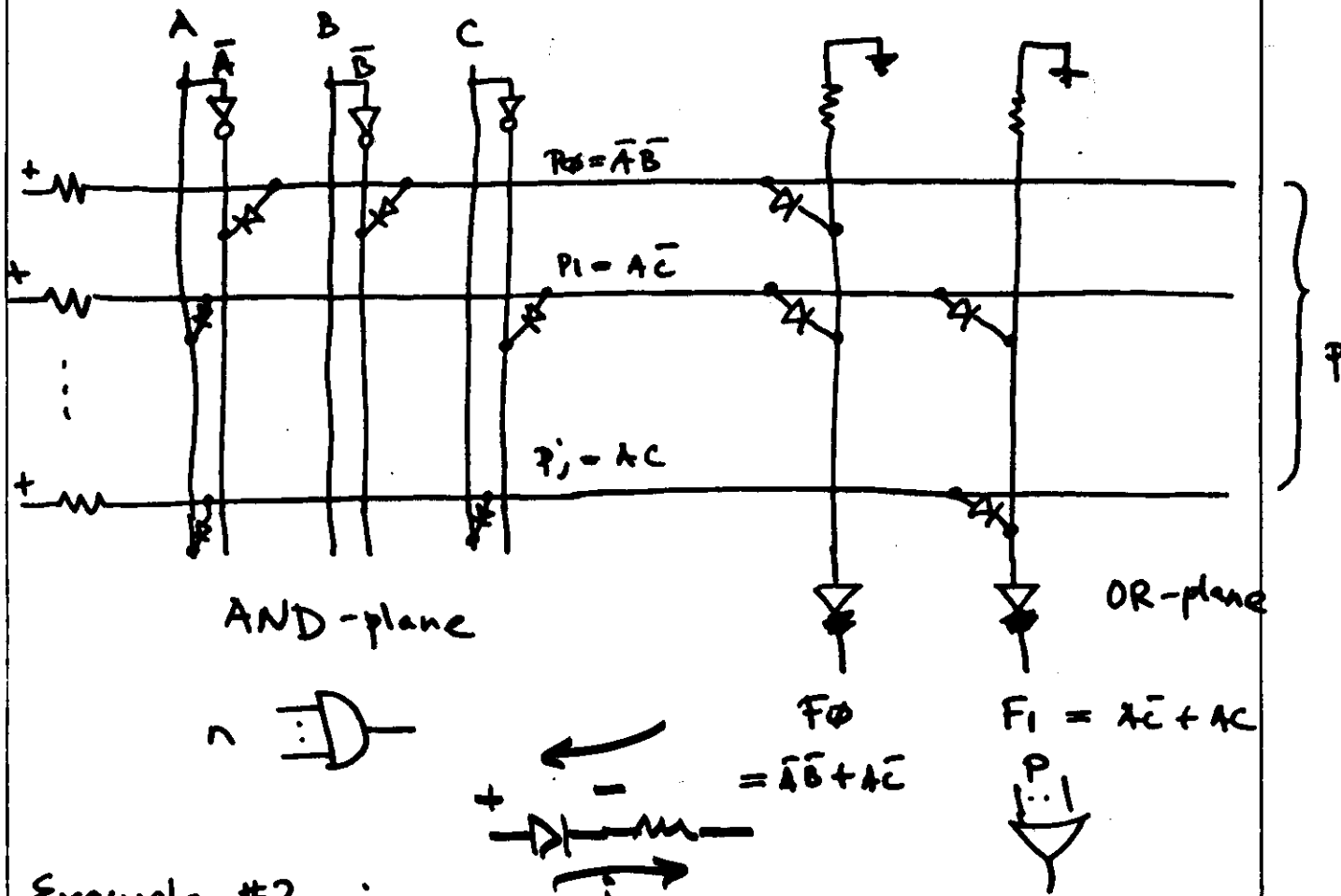


- write short. f 32
- Identify BIOS in your PC
- write the no. label. etc on BIOS

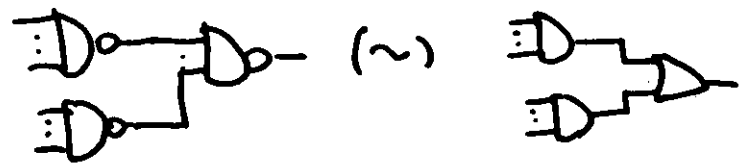
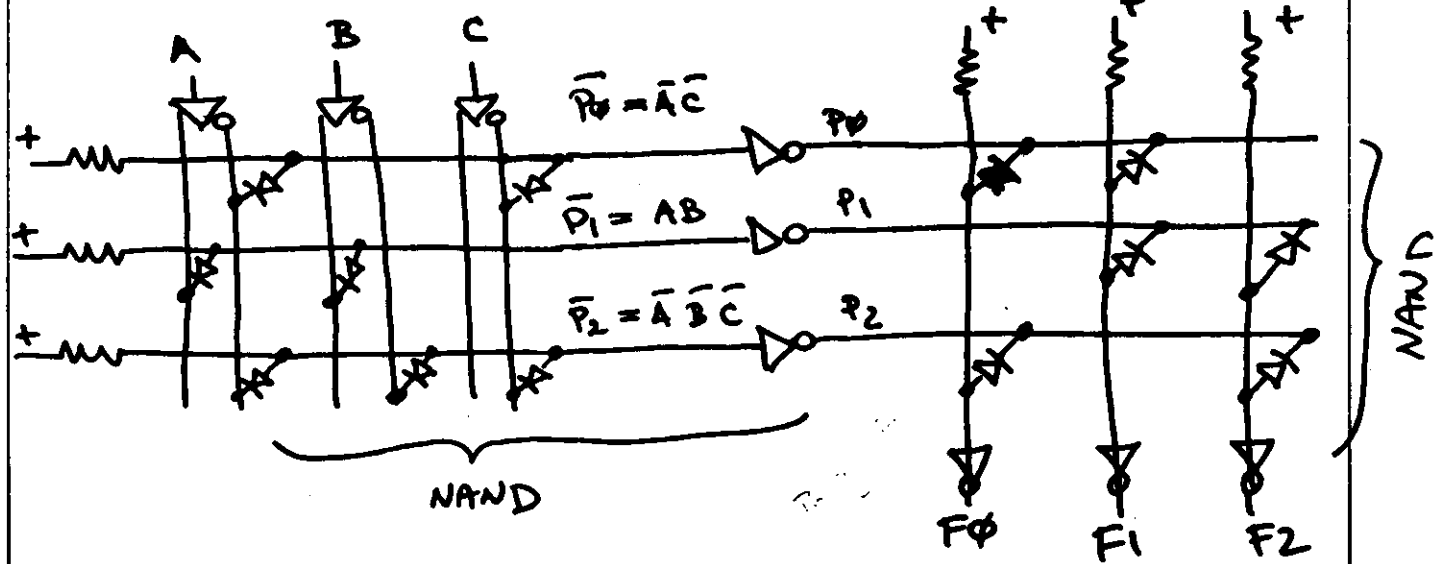
SOP \rightarrow AND-OR



Example #1 :



Example #2 :

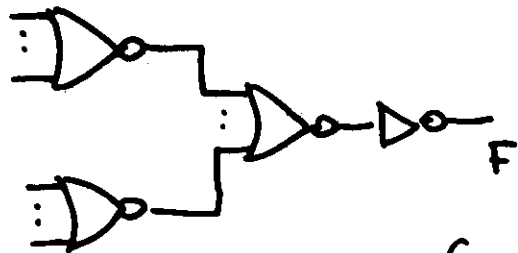
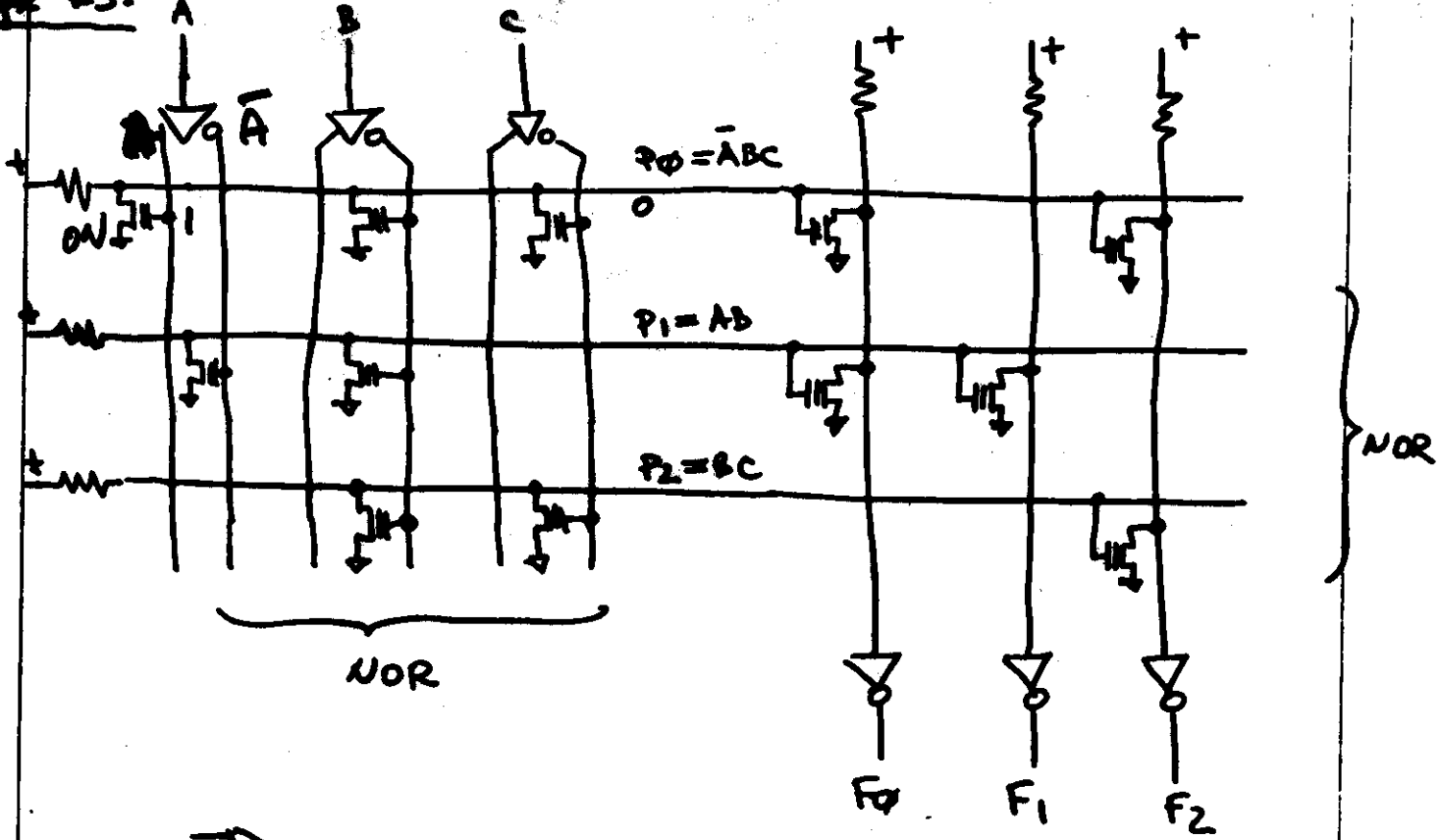


$F_0 = \bar{P}_0 + \bar{P}_2 = \bar{A}\bar{C} + \bar{A}\bar{B}\bar{C}$

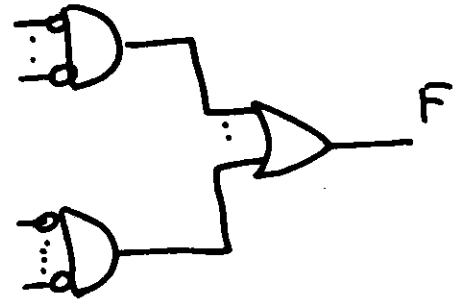
$F_1 = \bar{P}_0 + \bar{P}_1 = \bar{A}\bar{C} + AB$

$F_2 = \bar{P}_1 + \bar{P}_2 = AB + \bar{A}\bar{B}\bar{C}$

Example #3:



(~)



$$F_0 = P_0 + P_1 \quad \bar{P}_0 = (A + \bar{B} + \bar{C})$$

$$F_0 = \bar{A}BC + AB$$

$$F_1 = P_1 = AB$$

$$F_2 = P_0 + P_2 = \bar{A}BC + BC$$