

9/15/09 Outline

Hand back homework

Hand back Quiz

Hw 3 due Thursday

Extra Credit - 3 points on Exam 1 to attend Engineering Picnic on Friday 10/02/09

Start at Slide 27 → 29

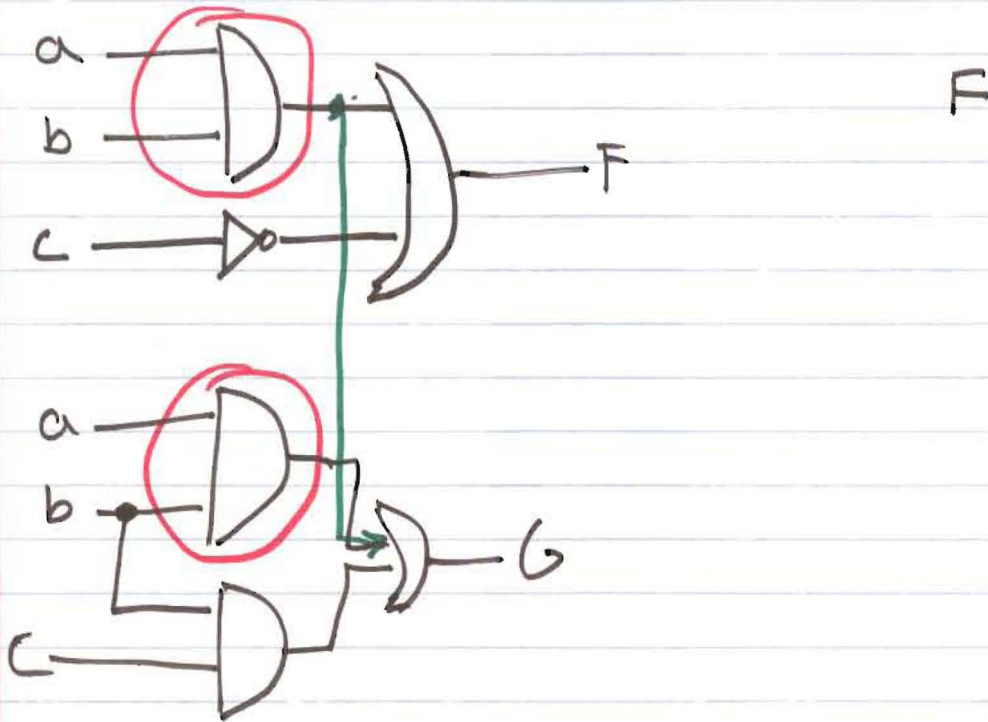
- Canonical Form (Sum of Products Example)
x2 Examples
- Multiple Circuit Example
- Start again on slide 34
- 3 IS detector example
- Number of 1s count example
- More Gates
 - NAND
 - NOR
 - XOR
 - XNOR
- Slide 38-39 examples
- Decoder

Multiple-Output Circuits

③

$$F = ab + \bar{c}$$
$$G = ab + bc$$

AND = 1
OR = 1
NOT = 1



$$f = a'b' + a'b$$

$$a'(b' + b)$$

$$a'(1)$$

$$f = a'$$

1) distributive

2) complement

3) identity

