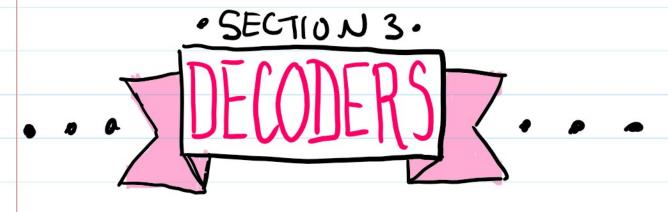
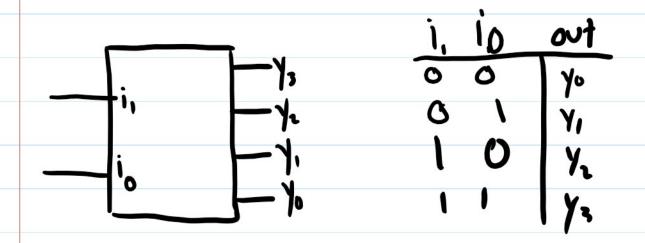
Section 3 - Decoders

Wednesday, June 19, 2019

12:10 PM



· SAME PRINCIPLE AS A MUX



WE HAVE N INPUTS THAT ACTUATE A SEKIES OF 2" OU TPUTS.

THE CIRCUIT · So IF 1,10 is the input then

13 is the only outset to 1.

leaving the others at 0. 'SO BASICALLY BINARY -> BASED?

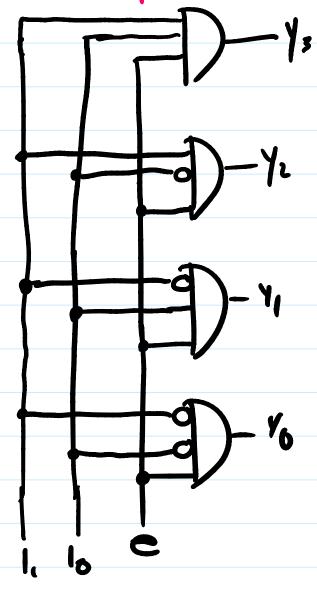
ENABLE INPUT

· ENABLE IMPUT IS SEEN A LOT IN DEVICES.

THE DEVICE ONLY WORKS IF ENDBLE IS 1.

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1,—	00	0
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e	101	Ϋ́,
	110	12
	1 1 1	y 3
		1

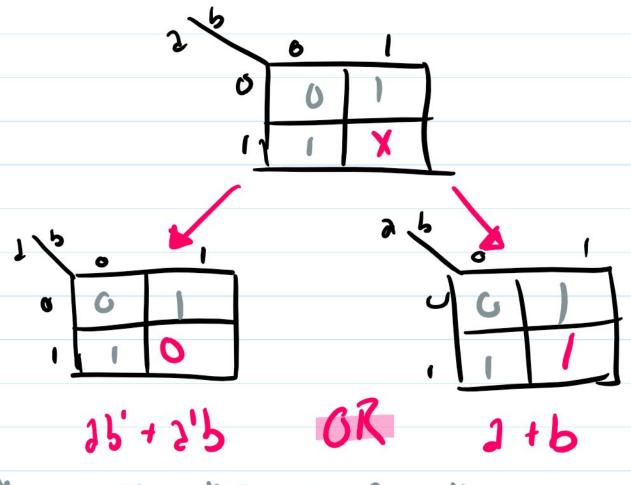
THE CIRCUIT



THE AND GATES CAN ONLY OUTPUT 1 IF E IS I

PUT IN MINIMIZING

PART OF FUNCTION WHERE THE
OUTPUT DOESN'T MATTER



· NIS THE "DONT CARE"

·UP TO DESIGNER TO CHOOSE WHAT IS IS BASED ON EASE OF CIRCUIT