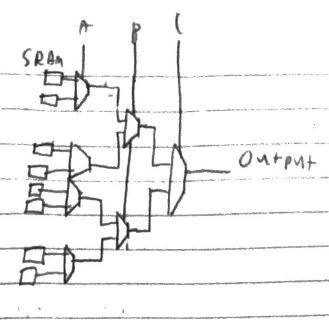
(PE 301 Final Exam <= is a non-blocking assignment while = is a blocking assignment. Non Working assignments are executed at the same time, Herc'. A. = 1 bl will fake on a value of 160 Buill take on a value of * ((Volatile char*) 0x25) &= 0611101111 Error Checking based on parity counts the Annber
Of I's or O's in a serial transmission
and Checks to see if that human is even or old base 1. oh the purity. bite and (worms social specification, 4. Tw = 1200 S Tuk = 16,000,000 = 0.0000000625 s Tula = 16,000,000 - 160,000 - 20,000 - 10,000 4, 800 $65,536 - (\frac{10,000}{3} \cdot 3) = 55,536 + i(ks high)$ $65,536 - (\frac{10,000}{3} \cdot 3) = \frac{186,638}{3} = \frac{62,26.3}{3} + i(ks)$ 1 X prescular

5. The I'C protocol includes on address field in its
data packets. While the late is transmitted to all devices only the

device with the correct appress processes the messager This was one mater can some eath to hung printered wing only 2 wires. 6. Lowpay Filter; Removes noisy, unmenter signals from the incoming Signal, Sample and Hold: Holls the current input constant so sampling may be done without the signal changing. (on vort the analog ipput signal into a digital output. Sturage: Store the converted, ligital Value from the AD(Convert the incoming digital signal into an analog Sighal. Reconstruction Eilton: Show outh the out put analy signal to remove the Sharp "imps in the DAC output.



A LUT works by with multiplex ers and SRAM
to implement a look up table that simuntes a
complicativial circuit, Data is loaded into the
SRAM above, providing the various for the Distract.
The lata is looked and by with the A. P. and I
lines which solect data from the appropriate memory
(CII and output it.

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									4	/	
	9	Ç	18	A	E	D	(В	A	1)	i
~	0	8	0	6	0		1	Ó	Q		
	Ó	9	O	1	1	(1	U	(x ·
	U	δ	1	D	В	1	1	1	0	0	
	6	0	1	1		1	1	1	1	0	
	0	- 3	0	9	1						
	0	1	0	1	0		···········				
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	1	0	8		ľ						
	1	8	1	0	Ó					1,	
	1	0	1)	0						
- 1		. 1		, 1							

F=V('BA+V('BA+V'CBA'+V'(BA'+V'(BA'+V'CBA'+V'CBA'+V'CB'A'A'+V'CB'A'A''CB'A'A''CB'A'A''CB'A'A''CB'A' Mask: Ox40an \ FZA'BC+Bp' MUSK; 6/0100/0000 0x09 0x00 0x00 0×4099

W. Single-ented Connections sond Signals with a reference to grunne, while differential (chaetions This makes differential signalling more rabust and resistant to outsite interference, but it requires
have wires to sent the same almount of data. While single - ended contecting are more unpromite to noise they require loss wites to implement and con he Created with as few as I wire, while littential signalling requires at least 2 wires. III I SRS intorrupt the Currently executing code to execute a pre-specifier substitution when an event Octures, Polling hadrungly thecks whether an expent occurred in a loop. As a result, I SRS are a more efficient was to deal with events as they to hot block the CPU. However, writing correct ISRs is much more difficult than writing a smiller correct polling imple mentation. De one failure might be the for motion survey Another bright be the valor spilling on the internal littlethy. Jumping the motor Could lear to Circlet large or a fire and Sallling water on the intrinctionin night cause electrolytich. Installed Would is supe to high the

system in material cusing chas consons must be

sing that the fan can spin whimseless