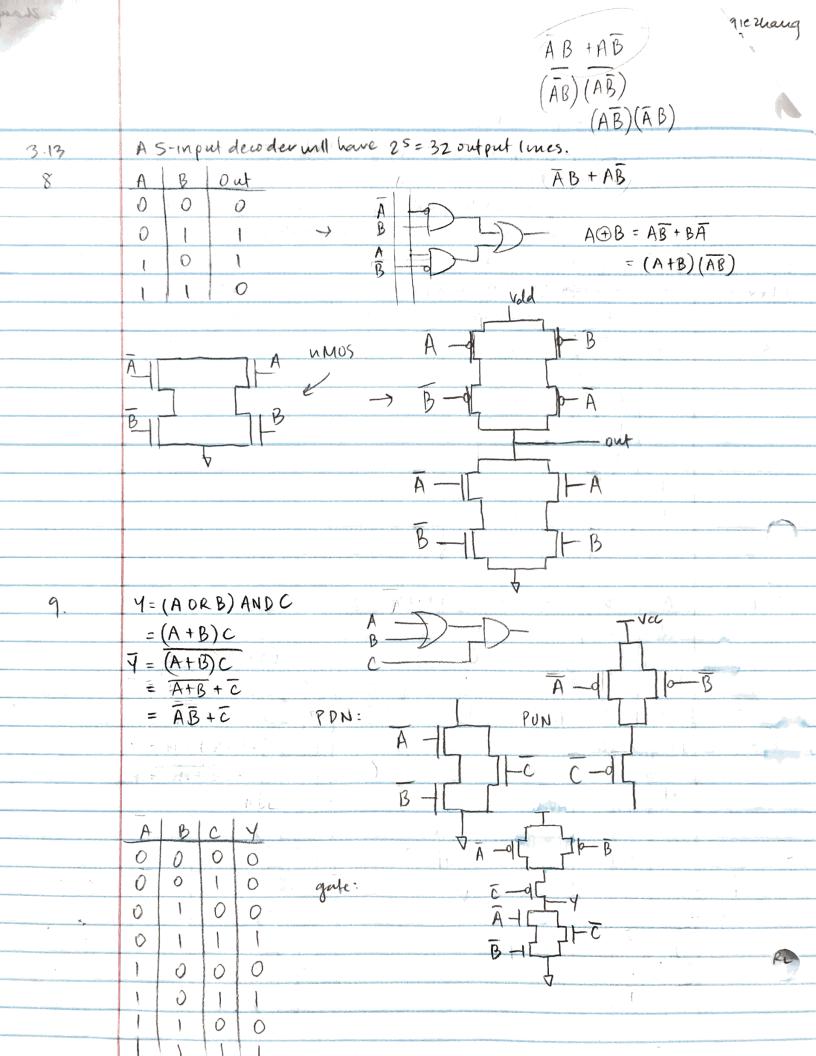
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1.15	One advantage of higher-level languages is that theire earner to understand,										
	de bug, and manifam. One disadvantage is that they're slower and less memory-efficient than low-land										
											- Principles - Pri
1.16		The ISA specifies the number of operations, data types, and addressing modes.									
1.17	The micro architecture is the imprementation of the ISA, which makes hadeoffs between the cost of the micro processor and the performance it will provide.										
	behve	een the	custo	of the micro	processor as	ud the pu	formane	e it will pr	onde.		
3.5	A	B	c	OUT							
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3.12	AI	3 0					9		and and the original shall not desired displacements and the Art of the original constraints and the		
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				ment the mark from transmission below accompany by the flat and purpose and property ments of the second second							



computational sprucing is a way of powering the processor in a computer for a shorter but far more powerful rate (say, 16x it's sustainable rate for half a second) and then allowing , to dial back so it can cooldown. One advantage for this is that it could admate areas of otherwise powered down "dark silicon" process or cover for subsecond buists of intense parallel computation invespores to user actually. Some entrepreneural Betwoon mining ventures are morning to North Country 11for cheap hydroelectuc power from the nearby St. Lawrence to power the sures that more amptourements nonstop like bit com. The residents there are not happy because the nuners dure up the wit of their electricity bill. dishbuhuelaw $AB + A\overline{B} = A(B+\overline{B})$ (2. additive identity = A(1)smee A(1)=A distributive Jaw (A+B)(A+B) = (BB)+A mulhplicable idealy = 0 + Asmue OtA = A by identify (0+A)=A A(A+B) = (A+B)(O+A)by dishibulive law = (BO)+A smie (BO)=0 = 0 + Asme OFA= A dish butwe law $A + \overline{A}B = (A + \overline{A})(A + B)$ additive (dentity b/c (A+A)=1 = (1) (A+B) smee (1)(A+B) = A+B = A+B (A+B+E)(A+BC) = A+BC = A+ (B+C)(BC) associate property = A+(BBC+CBC) distributive blc BB = B and CC = O = A + (BC + BO) = A+ BC