(Iylon Trovalan)

	Sout = ADBO(in Cont = (in (A+B)+ AB	
	ABCin Sout Cont	
		Y
		2
	0 1 0 1 0	
	100	
		) -
	CCOLLIC Cont	
	0001110	
	(in 6 0 1 0 1	
	1 [1 0 1 1 0]	
	A⊕B€(in (in·A+AB) (in·A+AB) (in·A+AB)	7.
	(-1/18)+ AB	
		1
Σ.		8
۷,	Jan	
	B	
		9
	(in Cont	t.
		1
		d.
_		

4, B, = 1) 16 Bo = 01 301. Pach adder has 6 gates; I ror, 2 and, lor 3/ and them's one yor to check the carry, so 2x4+1=9 13 gates module mytallodd (A, B (in, S, (ont); outputs (out; assign 5 = (AABA(in); assign (out = ((ABB) | ((inc (AB))) endmodule 5. module myouddentwo ( Al, AU, BI, BO, (0, SI, SO, (2); input 121, Ac, BI, DO, (0; Ontput 51,50, (2) my fulladd 40 (A), BO, 10, 50, (1); my full add ul [Al Bl, (1, 51, (2 Promodyle All outputs would be U The autputs should just stay the same, I would make the imports all work so every carry = 1 to test it. I'd look at the sum, By testing all of these rases, I think it would be satisfactory to say the circuit works