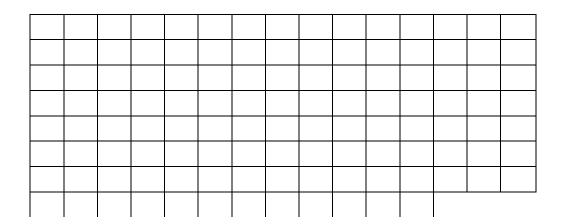
Digital Logic: From Gates to Functions and Memory

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Exercise:	Build	a 5-bit	Adder
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The diagram shows a 4-bit adder. Extend the design to build a **5-bit adder.** Space your adder chips about one gate-width apart so that you have room to work.

Test these values and a few others. With eight inputs, there are $2^8 = 256$ possible input combinations. Testing them all in class is not a good use of time.



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