























Extra Inputs Con		<u> </u>			ر کر	– Q – P	Q	
Let's add more inputs	to the	e ne	w ga	ates	, too	•		
Now our design only copies D to Q when	WE	D	R'	\mathbf{S}'	Q	Р		
$\dot{WE} = 1.$	1	0	0	1	0	1		
	1	1	1	0	1	0		
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The Circuit C	an A	lso	Sto	ore	a B	it	
What ha	ppens	s wł	nen	WE	= 0	?	
The circuit stores (same truth table		ast l	oit fi	om	D		
as before!).	WE	D	R'	\mathbf{S}'	Q	Р	
This circuit is	1	0	0	1	0	1	
called a gated D latch.	1	1	1	0	1	0	
9	0	x	1	1	0	1	
	0	x	1	1	1	0	
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