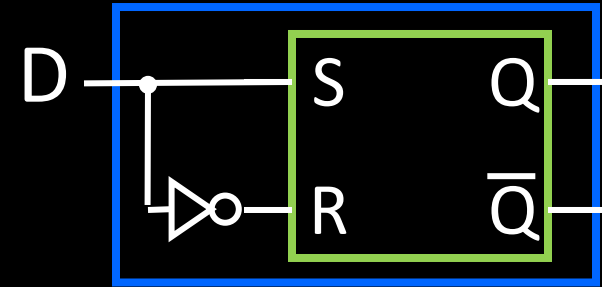
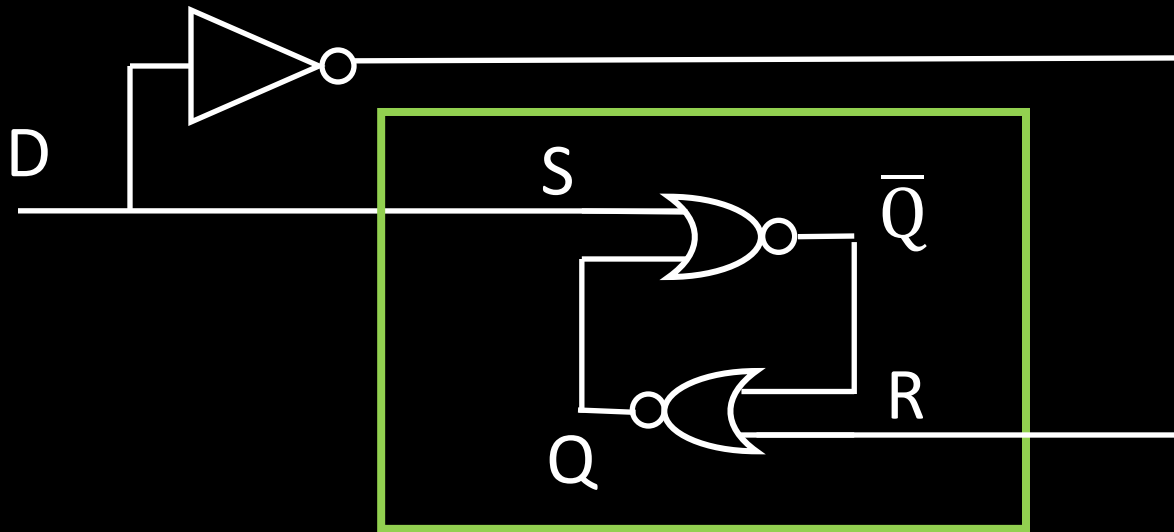


# Fourth Attempt: (Unclocked) D Latch



Fill in the truth table?

D	Q	$\bar{Q}$
0	0	1
1	1	0

Data (D) Latch

- Easier to use than an SR latch
- No possibility of entering an undefined state

When D changes, Q changes

— ... immediately (...after a delay of 2 Ors and 2 NOTs)

Need to control when the output changes

A	B	OR	NOR
0	0	0	1
0	1	1	0
1	0	1	0
1	1	1	0