

# Repair .Lib Model

## Add Margins to Setup/Hold Time

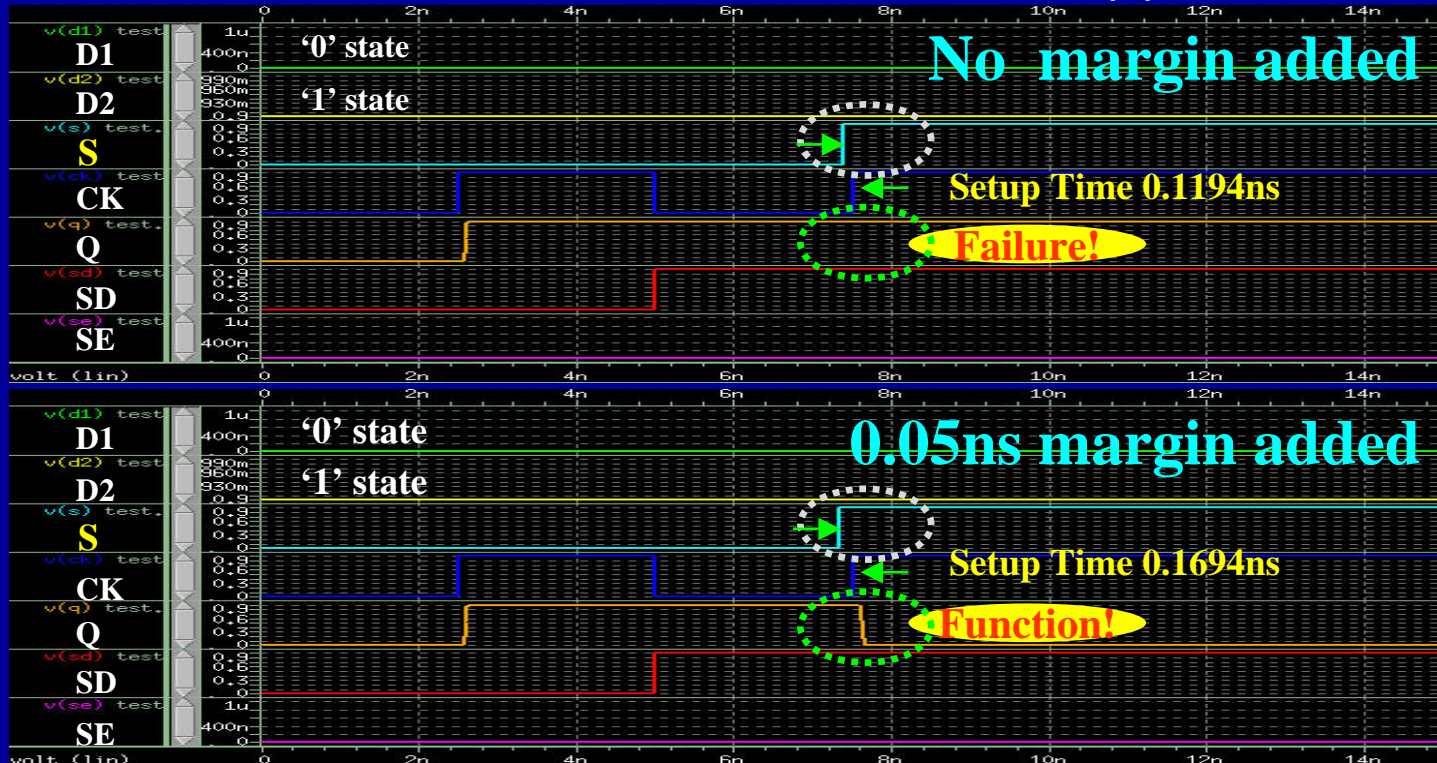
Cell SDFMQM8NA:

Pin 'S' Setup\_Rise

State Pattern

se=0 sd=1 d1=0 s=0 d2=1  
se=0 sd=1 d1=0 s=1 d2=1

state(Q)=1  
state(Q)=0



**Legend**

Design Technology

# Repair Library Model

To Prevent from Function/Noise Violations

- ◆ For setup/hold time & min pulse width in .Lib model, the margin shall be automatically adjusted to ensure
  - No functional violations
  - No glitch violations on internal nodes and output pins
  - No over-excessive timings degrading performance seriously
- ◆ Margin increment can be by values or by percent
- ◆ Margin adjustment for tabular setup/hold time can be determined by the worst corner, by four extreme corners and the central, or by all entries of that table.