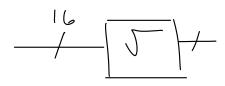
Simulation



Exercise 1:

- 1. typical inputs, 4,8,16
- 2. minimum and maximum valid inputs,

$$2^{15}-1=0$$
 x 7 fff

- 3. invalid inputs, and

4. randomly-chosen values. (U Se
$$\gamma$$
 λ λ ()

Give examples of appropriate test inputs for each of the above categories if you were testing a circuit that computed the square root of a 16-bit signed number.

Exercise 2: What's the difference between wait(x) y='1; and @(x) y='1;?

X	wait (X)	@ (x)
1 -> 0	2	Y
0 -> 1	y	У
X->0	N 1	У
1-51	Y	N
	'	

Exercise 3: How could you:

(a) terminate the simulation if a test vector failed?

\$stop in Stead of / in addition to \$display

(b) change the clock frequency to 10 MHz?

- (c) print each test vector as it's read? use \$ display 2 fter \$50 an f
- (d) assert the reset input for two clock cycles?