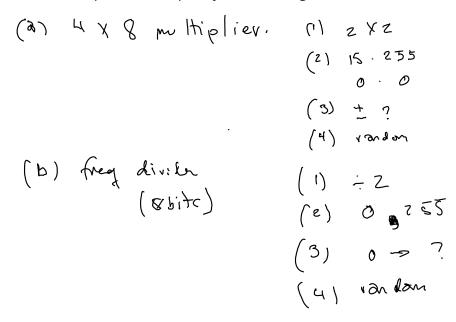# Verification

Exercise 1: Give examples of appropriate test inputs for each of the above categories if you were testing: (a) an 4x8-bit multiplier with a 10-bit output, (b) a frequency divider using an 8-bit timer?

(a) 4 X 8 multiplier.   (1) 2 X 2

(2) 15 . 255

0 . 0

(3) ± ?

(4) random

(b) freq divider
(8 bits)

(1) ÷ 2

(2) 0 , 255

(3) 0 ⟶ ?

(4) random

Exercise 2: What two tcl commands are executed by the following tcl script: `set x [expr 1 + 1]`?

Set

expr.

Exercise 3: What's the difference between `wait(x) y='1;` and `@(x) y='1;`?

wait ⟶ waits until x is non-zero

@(x) ⟶ waits until x changes