

Check for Mistakes in this Word Problem: offscreen?

Directions: Write a function, offscreen?, which returns true if Sam the butterfly's x-coordinate is less than -50 or greater than 690.

Contract and Purpose Statement

Every contract has three parts...

; offscreen?

number

→

boolean

pre-condition

post-condition

; Given an x-coordinate, returns true if the coordinate is less than -50

what does the function do?

Examples

Write some examples, then circle and label what changes...

(EXAMPLE(offscreen? 60) (true))

pre-condition

post-condition

what the function produces

(EXAMPLE(offscreen? 800) (false))

pre-condition

post-condition

what the function produces

Definition

After the definition, give variable names to all your input values...

(define(off-screen x-coord)

pre-condition

post-condition

(and (< x-coord -50) (> x-coord 690))

what the function does with those variables