

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

purpose name

domain

range

; 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))

purpose name

input(s)

what the function produces

(EXAMPLE(offscreen? 800) (false))

purpose name

input(s)

what the function produces

Definition

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

(define(off-screen x-coord)

purpose name

range

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

what the function does with those variables

)