

Check for Mistakes in this Word Problem: turkey-price

Directions: The grocery store charges \$2/pound for a turkey for the first 5 pounds, and then \$1/pound for every pound after that. Write a function that takes in the weight of a turkey and returns how much it will cost.

Contract and Purpose Statement

Every contract has three parts...

; turkey-price

weight

→

number

function name

parameter

return type

; Return the price of the turkey.

what does the function do?

Examples

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

(EXAMPLE(turkey-price1) (* 2 2))

function name

input(s)

what the function produces

(EXAMPLE(turkey-price6) (+ 10 (* 1 (- 6 5))))

function name

input(s)

what the function produces

Definition

Use the definition, guess variable names for all your input values...

(define(turkey-price weight)

function name

parameter

(cond

[(< weight 5)

(* 2 weight)

]

[else

(+ 10 (* 1 (- weight 5)))

]))