

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 domain range

; Return the price of the turkey.
what does the function do?

Examples

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

(EXAMPLE (turkey-price 3) (* 2 3))
function name input (s) what the function produces

(EXAMPLE (turkey-price 6) (+ 10 (* 1 (- 6 5))))
function name input (s) what the function produces

Definition

Write the definition, given variable names to all your input values...

(define (turkey-price weight)
function name variables

(cond

[(< weight 5) (* 2 weight)]

[else (+ 10 (* 1 (- weight 5)))])