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)))   ]))