

Design Recipe

Word Problem: cost

Luigi's Pizza has hired you as a programmer. They offer "pepperoni" (\$10.50), "cheese" (\$9.00), "chicken" (\$11.25) and "broccoli" (\$10.25). Write a function called `cost` which takes in the name of a topping and outputs the cost of a pizza with that topping.

I. Contract+Purpose Statement

$$; \text{ name} : \text{ Domain} \rightarrow \text{ Range}$$

II. Give Examples

On the computer, write an example of your function for each topping, using EXAMPLE.

(EXAMPLE (cost “pepperoni”) _____)
Use the function here What should the function produce?

(EXAMPLE (_____) _____)
Use the function here What should the function produce?

(EXAMPLE (_____) _____)

Use the function here What should the function produce?

(EXAMPLE (_____) _____)

Use the function here What should the function produce?

III. Definition

```
(define (function name variable names)
```