

Word Problem: cost

Directions: 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.

Contract and Purpose Statement



Every contract has three parts...

cost	::	String	->	Number
<i>function name</i>		<i>domain</i>		<i>range</i>

Produce cost of a pizza with given topping

what does the function do?

Examples



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

examples:

cost	("pepperoni")	is	10.5
<i>function name</i>	<i>input(s)</i>		<i>what the function produces</i>
cost	("cheese")	is	9
<i>function name</i>	<i>input(s)</i>		<i>what the function produces</i>
cost	("chicken")	is	11.25
<i>function name</i>	<i>input(s)</i>		<i>what the function produces</i>
cost	("broccoli")	is	10.25
<i>function name</i>	<i>input(s)</i>		<i>what the function produces</i>
cost	("space-pizza")	is	1000000
<i>function name</i>	<i>input(s)</i>		<i>what the function produces</i>

end

Definition



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

```
fun cost ( topping ):
    if "pepperoni" == topping : 10.5

    else if "cheese" == topping : 9

    else if "chicken" == topping : 11.25

    else if "broccoli" == topping : 10.25

    else: 1000000

end
```

end