Branching Logic

Write on a piece of paper the following labels – “item 1”, “item 2”, “item 3”, “item 4”, “item 5”, “item 6”, “item 7”, “item 8”, “subtotal”, “total”.

Write the number 0 underneath the label “subtotal”.

Read the price of the first item and write it down under the label “item 1”.

Add the numbers under the labels: “subtotal” and “item 1” – write this number underneath the label “subtotal”.

If there is no second item, branch to line 36.

Read the price of the second item and write it down under the label “item 2”.

Add the numbers under the labels: “subtotal” and “item 2” – write this number underneath the label “subtotal”.

If there is no third item, branch to line 36.

Read the price of the third item and write it down under the label “item 3”.

Add the numbers under the labels: “subtotal” and “item 3” – write this number underneath the label “subtotal” and scratch out what was previously written.

If there is no fourth item, branch to line 36.

Read the price of the fourth item and write it down under the label “item 4”.

Add the numbers under the labels: “subtotal” and “item 4” – write this number underneath the label “subtotal” and scratch out what was previously written.

If there is no fifth item, branch to line 36.

Read the price of the fifth item and write it down under the label “item 5”.

Add the numbers under the labels: “subtotal” and “item 5” – write this number underneath the label “subtotal” and scratch out what was previously written.

If there is no sixth item, branch to line 36.

Read the price of the sixth item and write it down under the label “item 6”.

Add the numbers under the labels: “subtotal” and “item 6” – write this number underneath the label “subtotal” and scratch out what was previously written.

If there is no seventh item, branch to line 36.

Read the price of the seventh item and write it down under the label “item 7”.

Add the numbers under the labels: “subtotal” and “item 7” – write this number underneath the label “subtotal” and scratch out what was previously written.

If there is no eighth item, branch to line 36.

Read the price of the eighth item and write it down under the label “item 8”.

Add the numbers under the labels: “subtotal” and “item 8” – write this number underneath the label “subtotal” and scratch out what was previously written.

Multiply the number under the label “subtotal” by 1.0825 – write the result under the label “total” after rounding to the nearest hundredth.

Tell the customer the following: “Your total amount is “, followed by the number underneath the label “total”, followed by the phrase “dollars please”.