Chapter 3 Project

Translated Pseudocode and Math Testing for each part.

Part 1- Ingredient Adjuster

START

Ask the user for:

  - Original number of servings

  - Desired number of servings

  - Ingredient amounts (sugar, butter, flour)

IF any input value is less than or equal to zero THEN

   Display message: "Please enter positive numbers."

   Repeat inputs

ENDIF

Calculate scale = desired_servings / original_servings

Multiply each ingredient amount by scale:

   new_sugar = sugar * scale

   new_butter = butter * scale

   new_flour = flour * scale

Display the new scaled amounts for all ingredients

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Ask the user: "Would you like to adjust another recipe? (Y/N)"

IF yes THEN

   Repeat the process

ENDIF

END

Math Progress:

Sugar: 1.5 × 2 = 3.0 cup

Butter = 0.75 × 2 = 1.5 cups

Flour = 2 × 2 = 4 cups

All doubled