

Programming Assignment 1

Smoothie Assignment

Due to copyright reasons, I cannot attach the original assignment instructions.

Assignment Problem:

Given a list of possible smoothie ingredients, a list of smoothie recipes, and lists of sales from several stores, determine how much of each ingredient each store must order.

Input File Specifications:

Line 1 will contain a single integer n for number of smoothie Ingredients.

Next n lines will contain a single smoothie ingredient.

Next line will contain a single integer s for number of smoothie recipes.

Next s lines will contain a single integer m (number of ingredients in the smoothie, followed by m pairs of ingredient indices and their quantity.

Next line will contain a single integer k for number of stores

Last k lines will contain a single integer r representing number of offered smoothies, followed by r pairs of recipe indices and their weight.

Output File Specifications:

For each store, print each used ingredient and the total weight of the ingredient used.