



Looking for 10 classes

Alg

Start w needs per category

$$\text{Column } x \text{ Calories} = \sum (\text{Client } y \text{ Column } x \%) (\text{Client } y \text{ calories})$$

Figure out calories per Food per category

$$\text{Column } y \text{ Food } x \text{ Calories} = (\text{Food } x \text{ Column } y \%) (\text{Food } x \text{ calories})$$

Column 1 choose best Food, add to basket and subtract all needs

Do for all columns

↳ IF amount needed < Food amount, tx

next highest thing

↳ Same for cross categories