



Problem of the Week

Problem A

Breakfast Food

For breakfast, Liz always has a drink, some yogurt, and toast. She likes to drink milk, water, or juice. She likes strawberry, blueberry, raspberry, or vanilla yogurt. She likes whole grain or pumpernickel toast. Liz would like a different combination of a drink, yogurt, and toast every day.

- A) List all the different breakfast combinations she could have where she does not drink juice.
- B) What is the maximum number of days that will pass before she will have to eat and drink exactly the same combination as a previous breakfast?

