**3A. Contest Bins**

# Program Name: Bins.java Input File: bins.dat

To make a contest bin, you need a printer, a mouse, a keyboard, a cord, and a checksheet. You organized your school’s computer science supplies earlier this week and made a log of what items you found as you were sorting them out. Being an organized person, you separated each type of supply into different boxes. However, this also means the first item you wrote down is at the very bottom of each box, and you don’t want to just go off the list and dig out everything from the bottom. So, you’ve decided to write a program to create bin combinations for you to use at the contest. Once an item is used for one contest bin, it cannot be used again for obvious reasons. If any of the five items are missing, then you cannot make a complete bin.

**Input**

The first line of input will contain a single integer n that indicates the number of things you bought. The next n lines will contain a log of all the items you bought, with the name, a dash, and then what it is – printer, mouse, keyboard, cord, or checksheet. These lines are in the order you put the items in their respective boxes.

**Output**

For each possible bin combination, output the contest bins in the order you built them, and the name of the items in each bin in the format printer, mouse, keyboard, cord, checksheet.

**Example Input File**

12

Clackety - keyboard

Sticky - keyboard

Bluetooth - mouse

Blank - checksheet

USB C - cord

Lightning cable - cord

Mechanical - keyboard

Filled out - checksheet

Normal - mouse

Canon - printer

Brother - printer

HP - printer

**Example Output to Screen**

HP, Normal, Mechanical, Lightning cable, Filled out

Brother, Bluetooth, Sticky, USB C, Blank