

Task

You will be given a list of objects. Each object has type, material, and possibly secondMaterial. The existing materials are: paper, glass, organic, and plastic.

Your job is to sort these objects across the 4 recycling bins according to their material (and secondMaterial if it's present), by listing the type's of objects that should go into those bins.

Notes

- The bins should come in the same order as the materials listed above
- All bins should be listed in the output, even if some of them are empty
- If an object is made of two materials, its type should be listed in both of the respective bins
- The order of the type's in each bin should be the same as the order of their respective objects was in the input list

Example

```
input = [  
  {"type": "rotten apples", "material": "organic"},  
  {"type": "out of date yogurt", "material": "organic", "secondMaterial":  
"plastic"},  
  {"type": "wine bottle", "material": "glass", "secondMaterial": "paper"},  
  {"type": "amazon box", "material": "paper"},  
  {"type": "beer bottle", "material": "glass", "secondMaterial": "paper"}  
]
```

```
output = [  
  ["wine bottle", "amazon box", "beer bottle"],  
  ["wine bottle", "beer bottle"],  
  ["rotten apples", "out of date yogurt"],  
  ["out of date yogurt"]  
]
```