C++ Class Template Specialization

You are given a *main* function which reads the enumeration values for two different types as input, then prints out the corresponding enumeration names. Write a class template that can provide the names of the enumeration values for both types. If the enumeration value is not valid, then print **`unknown`**.

Input Format

The first line contains T, the number of test cases.
Each of the T subsequent lines contains 2 space-separated integers. The first integer is a color value, C, and the second integer is a fruit value, F.

Constraints

- $1 \leq T \leq 100$
- $-2 \times 10^9 \leq C \leq 2 \times 10^9$
- $-2 \times 10^9 \leq F \leq 2 \times 10^9$

Output Format

The locked stub code in your editor prints T lines containing the *color* name and the *fruit* name corresponding to the input enumeration index.

Sample Input

```
2
1 0
3 3
```

Sample Output

```
green apple
unknown unknown
```

Explanation

Since $T = 1$, there is only one line of output. The two input index values, 1 and 0, correspond to *green* in the color enumeration and *apple* in the fruit enumeration.