Simple card game   X37806_en

Using the *Card*, *Deck*, and *Hand* class definitions, write a *Player* class, a *Game* class, and a program to play a simple card game with any number of players.

In this simple card game, each of the players draws a card from a shuffled deck. Whoever has the highest card wins. Cards are compared first by suit, then by rank. Spades beat Hearts, which beat Diamonds, which in turn beat Clubs. Within a same suit, King beat Queen, which in turn beat Jack, which beat 10 down through 2, which beat Ace.

Input

The input consist of a positive integer n, the number of players, followed by a shuffled deck of cards.

Output

For each player, print the card drawn by the player, followed by the winner of the game.

Precondition

The number of cards in the shuffled deck is not less than the number of players.

Sample input 1

```
5
8 of Clubs
7 of Diamonds
8 of Hearts
Jack of Clubs
Queen of Diamonds
6 of Clubs
2 of Diamonds
King of Spades
8 of Spades
Jack of Diamonds
```

Sample output 1

```
Player 1 draws Jack of Diamonds
Player 2 draws 8 of Spades
Player 3 draws King of Spades
Player 4 draws 2 of Diamonds
Player 5 draws 6 of Clubs
Player 3 wins with King of Spades
```

Sample input 2

```
1
8 of Clubs
7 of Diamonds
8 of Hearts
Jack of Clubs
Queen of Diamonds
6 of Clubs
2 of Diamonds
King of Spades
8 of Spades
Jack of Diamonds
```

Sample output 2

```
Player 1 draws Jack of Diamonds
Player 1 wins with Jack of Diamonds
```

Sample input 3

```
0
8 of Clubs
7 of Diamonds
8 of Hearts
Jack of Clubs
Queen of Diamonds
6 of Clubs
2 of Diamonds
King of Spades
8 of Spades
Jack of Diamonds
```

Sample output 3

```
None wins with None
```

Problem information

Author : Gabriel Valiente
Generation : 2019-10-31 11:58:50