A Tricky Problem

The genre of trick-taking card games encompasses many popular games, such as Bridge, Hearts, Euchre, and Briscola. At their core, these games revolve around each player having some number of cards (which may be dealt all at once, or as the game progresses), and a number of rounds (or "tricks") where each player plays a card. Based on these cards, and specially on how they each compare to each other, players receive a number of points.

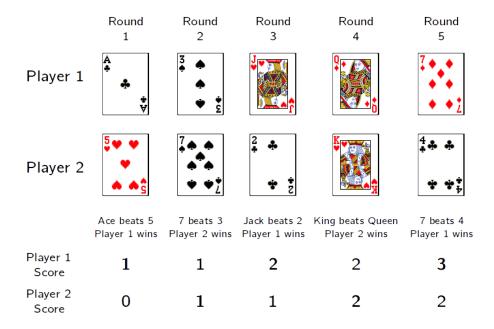
You will write a program to determine the winner of a trick-taking card, defined as follows:

- There are only two players.
- Each player is given N cards at the start of the game.
- The possible cards, from least valuable to most valuable, are:

Note that there is no 10 card.

- The suit of the card (hearts, diamonds, spades, clubs) is irrelevant.
- In each round, each player plays a single card (consequently, a single game is composed of N rounds). The player with the highest card in that round wins a single point. If both players play a card of equal value, no points are given in that round.
- At the end of the game, the player with the most points wins. If both players have the same number of points, the result of the game is a tie.

For example, consider the following game:



At the end of this game, Player 1 will be the winner.

Your task is to implement the function tricky, which takes a list of cards for player 1 and a list of cards for player 2. It returns the string "PLAYER 1 WINS", if player 1 wins more rounds, the string "PLAYER 2 WINS", if player 2 wins more rounds, and the string "TIE" if the players win the same number of rounds.

Here are some sample games and the expected result:

Player 1	Player 2	Sample Output
A 3 J Q 7	572 K 4	PLAYER 1 WINS
A 3 J Q	$572~\mathrm{K}$	TIE
$2\ 2\ 2$	A A A	PLAYER 2 WINS
A 3 2 Q 7	$5\ 7\ 2\ \mathrm{K}\ 4$	TIE

Here is the skeleton code for this task:

. . .

Distribution file for the tricky problem. \dots

from typing import List

def tricky(hand1: List[str], hand2: List[str]) -> str:

```
Play a game of Tricky as described in the problem statement.

Args:
    hand1: List of cards in hand 1.
    hand2: List of cards in hand 2.

Returns:
    'PLAYER 1 WINS' if player 1 wins, 'PLAYER 2 WINS' if player 2 wins, or
    'TIE' if the game is a tie. Please refer to the problem statement for
    winning conditions.

"""

# TODO: Implement this function
pass
```

When you take the placement exam, you will be expected to copy the skeleton code into a file and then complete the function. For the practice problems, we have provided a file named problem3.py that includes the above header for your convenience.