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# Twenty One

 by [matfah](#)

Problem

Submissions

Discussions

Dory likes playing the game of 21 with her other fish friends in the Open Ocean Exhibit. Players take turns finding sea shells - a regular sea shell is worth 1 point, a purple sea shell (her mom's favorite!) is worth 2 points, and finding no sea shells is worth 0 points. A player loses their turn when they can find no more sea shells. If a player has 13 points on their turn and they can't find a sea shell, then their score goes back to 0. If a player goes over 21 points on their turn, then their score goes back to 13 (they don't lose their turn). You're tasked with a program to help automate score keeping.

<https://drive.google.com/file/d/0BxxolsFkwnDqaTFSRTFmcWhlSk0/view?usp=sharing>

## Input Format

On one line, a number  $n$  representing the number of moves in a game of Twenty One, followed by  $n$  numbers, representing the value of shell picked up by the current player, all separated by spaces.

## Constraints

$0 \leq n \leq 1000$  Each shell value will either be 0, 1, or 2

## Output Format

FIRST PLAYER, if player one wins, SECOND PLAYER, if second player wins, or UNDECIDED, if no one has won yet

## Sample Input 0

```
11 2 2 2 2 2 2 2 2 2 2 1
```

## Sample Output 0

```
FIRST PLAYER
```

## Sample Input 1

```
13 2 2 2 2 2 2 1 0 0 2 2 2 2
```

## Sample Output 1

```
UNDECIDED
```

## Sample Input 2

```
16 1 0 2 1 2 1 2 1 2 1 2 1 2 1
```



Sample Output 2

SECOND PLAYER

[f](#) [t](#) [in](#)



Submissions: 20  
Max Score: 1

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Current Buffer (saved locally, editable)  

BASH

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Run Code

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