

Replication

Bug 5: Odds of game are incorrect

Test Name	Test whether the winning odds is around 42%.
Use Case Tested:	Crown and Anchor Game
Test Description:	Test that the winning ratio is correct at around 42%
Pre-conditions	Run the program to simulate the game.
Post-conditions	The winning ratio is around 42%.

	TEST STEP	EXPECTED TEST RESULTS	RESULT
1.	Undo the changing of SPADE as in Bug 4	Only bugs 1, 2, 3 are fixed.	Pass
2.	Run Main.java	Console opens and results for games are displayed in it.	Pass
3.	Look at the win count line	There should be ratio of 0.42	Fail (ratio =0.48)
4.	Repeat Steps 2-3.	Same as Steps 2-3.	Fail

Examples of bugs

Run 1: FAIL

```
113 turns later.  
End Game 99: Fred now has balance 200  
  
Win count = 9039, Lose Count = 9320, 0.49
```

Run 2: FAIL

```
188 turns later.  
End Game 99: Fred now has balance 200  
  
Win count = 9906, Lose Count = 10538, 0.48
```

Run 3: FAIL

349 turns later.

End Game 99: Fred now has balance 200

Win count = 9084, Lose Count = 9370, 0.49