

SolitaireTwo Report

Boards Used:

eODeal 45 -

([],[(Ten,Diamonds),(Five,Clubs),(Nine,Hearts),(Ten,Hearts),(Three,Diamonds),(Four,Diamonds)],[(Nine,Clubs),(Queen,Spades),(Ten,Clubs),(King,Clubs),(Queen,Diamonds),(Jack,Diamonds)],[(Six,Spades),(Two,Clubs),(King,Hearts),(Four,Spades),(Eight,Spades),(Two,Hearts)],[(Three,Hearts),(Jack,Spades),(Five,Spades),(Seven,Clubs),(Two,Spades),(Seven,Diamonds)],[(Two,Diamonds),(Ace,Clubs),(Six,Diamonds),(Six,Clubs),(Nine,Spades),(Queen,Clubs)],[(Five,Hearts),(Five,Diamonds),(Queen,Hearts),(King,Spades),(Four,Hearts),(King,Diamonds)],[(Eight,Hearts),(Ten,Spades),(Eight,Diamonds),(Three,Clubs),(Six,Hearts),(Ace,Hearts)],[(Seven,Spades),(Four,Clubs),(Jack,Clubs),(Jack,Hearts),(Seven,Hearts),(Eight,Clubs)],[(Ace,Spades),(Nine,Diamonds),(Ace,Diamonds),(Three,Spades)])

Order -

([],[(Five,Hearts),(Six,Hearts),(Seven,Hearts),(Eight,Hearts),(Nine,Hearts),(Ten,Hearts)],[(Jack,Hearts),(Queen,Hearts),(King,Hearts),(Ace,Diamonds),(Two,Diamonds),(Three,Diamonds)],[(Four,Diamonds),(Five,Diamonds),(Six,Diamonds),(Seven,Diamonds),(Eight,Diamonds),(Nine,Diamonds)],[(Ten,Diamonds),(Jack,Diamonds),(Queen,Diamonds),(King,Diamonds),(Ace,Clubs),(Two,Clubs)],[(Three,Clubs),(Four,Clubs),(Five,Clubs),(Six,Clubs),(Seven,Clubs),(Eight,Clubs)],[(Nine,Clubs),(Ten,Clubs),(Jack,Clubs),(Queen,Clubs),(King,Clubs),(Ace,Spades)],[(Two,Spades),(Three,Spades),(Four,Spades),(Five,Spades),(Six,Spades),(Seven,Spades)],[(Eight,Spades),(Nine,Spades),(Ten,Spades),(Jack,Spades),(Queen,Spades),(King,Spades)],[(Ace,Hearts),(Two,Hearts),(Three,Hearts),(Four,Hearts)])

eODeal 34 -

([],[(King,Hearts),(Queen,Diamonds),(Nine,Clubs),(Two,Hearts),(Ace,Spades),(Two,Spades)],[(King,Clubs),(Six,Clubs),(Five,Clubs),(Four,Hearts),(Three,Clubs),(Ace,Hearts)],[(Three,Hearts),(Eight,Clubs),(Ace,Diamonds),(Jack,Diamonds),(Nine,Hearts),(Five,Hearts)],[(Five,Spades),(Two,Diamonds),(Ace,Clubs),(Jack,Hearts),(Seven,Hearts),(King,Spades)],[(Ten,Clubs),(Ten,Spades),(Nine,Spades),(Queen,Spades),(Eight,Spades),(Two,Clubs)],[(Eight,Diamonds),(Six,Spades),(Four,Clubs),(Three,Diamonds),(Eight,Hearts),(Three,Spades)],[(Jack,Spades),(Queen,Hearts),(King,Diamonds),(Six,Diamonds),(Six,Hearts),(Jack,Clubs)],[(Four,Spades),(Seven,Spades),(Ten,Diamonds),(Four,Diamonds),(Seven,Diamonds),(Ten,Hearts)],[(Nine,Diamonds),(Five,Diamonds),(Queen,Clubs),(Seven,Clubs)])

Function	Test Case	Function Call(s)	Result
eOExpt	Gives back expected information	eOExpt 80 eOExpt 34 eOExpt 5867 eOExpt 1	(2,6.83) (4,9.29) (0,5.62) (2,5.35)
eOGame	Playing game to give back score	eOGame (eODeal 34)	3

		eOGame (eODeal 45)	6
eOGame	Ordered board	eOGame order	52
chooseMove	Ordered board	chooseMove order	Just ((King,Spades),(King,Clubs),(King ,Diamonds),(King,Hearts)),[[,.,.,., ,.,.,.,.])
chooseMove	Card in second position in column	chooseMove (eODeal 45)	Just ((Ace,Clubs),(Ace,Spades),(Two,Diamonds)),[(Ten,Di amonds),(Five,Clubs),(Nine,Hearts),(Ten,Hearts),(Thre e,Diamonds),(Four,Diamonds)],[(Nine,Clubs),(Queen,S pades),(Ten,Clubs),(King,Clubs),(Queen,Diamonds),(J ack,Diamonds)],[(Six,Spades),(Two,Clubs),(King,Heart s),(Four,Spades),(Eight,Spades),(Two,Hearts)],[(Three ,Hearts),(Jack,Spades),(Five,Spades),(Seven,Clubs),(Two,Spades),(Seven,Diamonds)],[(Six,Diamonds),(Six, Clubs),(Nine,Spades),(Queen,Clubs)],[(Five,Hearts),(Fi ve,Diamonds),(Queen,Hearts),(King,Spades),(Four,He arts),(King,Diamonds)],[(Eight,Hearts),(Ten,Spades),(E ight,Diamonds),(Three,Clubs),(Six,Hearts),(Ace,Hearts)],[(Seven,Spades),(Four,Clubs),(Jack,Clubs),(Jack,He arts),(Seven,Hearts),(Eight,Clubs)],[(Nine,Diamonds),(Three,Spades)]
chooseMove	kingToEmpty possible	chooseMove (eODeal 34)	Just ([,],[(King,Hearts),(Queen,Diamonds),(Nine,Clubs),(Tw o,Hearts),(Ace,Spades),(Two,Spades)],[(Queen,Clubs) ,(King,Clubs),(Six,Clubs),(Five,Clubs),(Four,Hearts),(T hree,Clubs),(Ace,Hearts)],[(Three,Hearts),(Eight,Clubs ,(Ace,Diamonds),(Jack,Diamonds),(Nine,Hearts),(Five ,Hearts)],[(Five,Spades),(Two,Diamonds),(Ace,Clubs),(Jack,Hearts),(Seven,Hearts),(King,Spades)],[(Ten,Clu bs),(Ten,Spades),(Nine,Spades),(Queen,Spades),(Eig ht,Spades),(Two,Clubs)],[(Eight,Diamonds),(Six,Spade s),(Four,Clubs),(Three,Diamonds),(Eight,Hearts),(Thre e,Spades)],[(Jack,Spades),(Queen,Hearts),(King,Diam onds),(Six,Diamonds),(Six,Hearts),(Jack,Clubs)],[(Four ,Spades),(Seven,Spades),(Ten,Diamonds),(Four,Diam onds),(Seven,Diamonds),(Ten,Hearts)],[(Nine,Diamon ds),(Five,Diamonds),(Seven,Clubs)]
chooseMove	No new boards	chooseMove ((King,Spades),(King,Clubs),(King ,Diamonds),(King, Hearts)),[[,.,.,.,. ,.,.,.,.])	Nothing
findMoves	Ordered board	findMoves order	[[((King,Spades),(King,Clubs),(King,Diamonds),(King,H earts)),[[,.,.,.,.,.,.,.]),((King,Spades),(King,Clubs) ,(King,Diamonds),(King,Hearts)),[[,.,.,.,.,.,.,.]),((King,Spades),(King,Clubs),(King,Diamonds),(King,Hea rts)),[[,.,.,.,.,.,.,.]),((King,Spades),(King,Clubs),(K ing,Diamonds),(King,Hearts)),[[,.,.,.,.,.,.,.]),((Kin g,Spades),(King,Clubs),(King,Diamonds),(King,Hearts))],[[,.,.,.,.,.,.,.]),((King,Spades),(King,Clubs),(King ,Diamonds),(King,Hearts)),[[,.,.,.,.,.,.,.]),((King,S pades),(King,Clubs),(King,Diamonds),(King,Hearts)),[[, ,.,.,.,.,.,.,.]),((King,Spades),(King,Clubs),(King,Dia monds),(King,Hearts)),[[,.,.,.,.,.,.,.]),((King,Spad es),(King,Clubs),(King,Diamonds),(King,Hearts)),[[, ,.,.,.,.,.,.,.]),((Eight,Hearts)),[(Ten,Hearts)],[(Jack,He arts),(Queen,Hearts),(King,Hearts),(Ace,Diamonds),(T wo,Diamonds),(Three,Diamonds)],[(Four,Diamonds),(F ive,Diamonds),(Six,Diamonds),(Seven,Diamonds),(Eig ht,Diamonds),(Nine,Diamonds)],[(Ten,Diamonds),(Jack ,Diamonds),(Queen,Diamonds),(King,Diamonds),(Ace, Clubs),(Two,Clubs)],[(Three,Clubs),(Four,Clubs),(Five, Clubs),(Six,Clubs),(Seven,Clubs),(Eight,Clubs)],[(Nine,

			Clubs),(Ten, Clubs),(Jack, Clubs),(Queen, Clubs),(King, Clubs),(Ace, Spades)],[(Two, Spades),(Three, Spades),(Four, Spades),(Five, Spades),(Six, Spades),(Seven, Spades)],[(Eight, Spades),(Nine, Spades),(Ten, Spades),(Jack, Spades),(Queen, Spades),(King, Spades)]],[],[(Seven, Diamonds),(King, Hearts)],[(Nine, Diamonds)],[(Ten, Diamonds),(Jack, Diamonds),(Queen, Diamonds),(King, Diamonds),(Ace, Clubs),(Two, Clubs)],[(Three, Clubs),(Four, Clubs),(Five, Clubs),(Six, Clubs),(Seven, Clubs),(Eight, Clubs)],[(Nine, Clubs),(Ten, Clubs),(Jack, Clubs),(Queen, Clubs),(King, Clubs),(Ace, Spades)],[(Two, Spades),(Three, Spades),(Four, Spades),(Five, Spades),(Six, Spades),(Seven, Spades)],[(Eight, Spades),(Nine, Spades),(Ten, Spades),(Jack, Spades),(Queen, Spades),(King, Spades)],[],[],[]),[(Six, Clubs),(King, Diamonds),(King, Hearts)],[(Eight, Clubs)],[(Nine, Clubs),(Ten, Clubs),(Jack, Clubs),(Queen, Clubs),(King, Clubs),(Ace, Spades)],[(Two, Spades),(Three, Spades),(Four, Spades),(Five, Spades),(Six, Spades),(Seven, Spades)],[(Eight, Spades),(Nine, Spades),(Ten, Spades),(Jack, Spades),(Queen, Spades),(King, Spades)],[],[],[],[]),[(Five, Spades),(King, Clubs),(King, Diamonds),(King, Hearts)],[(Seven, Spades)],[(Eight, Spades),(Nine, Spades),(Ten, Spades),(Jack, Spades),(Queen, Spades),(King, Spades)],[],[],[],[],[],[]]
findMoves	eODeal board	findMoves (eODeal 45)	[[[(Ace, Clubs),(Ace, Spades),(Two, Diamonds)],[(Nine, Diamonds),(Ten, Diamonds),(Five, Clubs),(Nine, Hearts),(Ten, Hearts),(Three, Diamonds),(Four, Diamonds)],[(Nine, Clubs),(Queen, Spades),(Ten, Clubs),(King, Clubs),(Queen, Diamonds),(Jack, Diamonds)],[(Six, Spades),(Two, Clubs),(King, Hearts),(Four, Spades),(Eight, Spades),(Two, Hearts)],[(Three, Hearts),(Jack, Spades),(Five, Spades),(Seven, Clubs),(Two, Spades),(Seven, Diamonds)],[(Six, Diamonds),(Six, Clubs),(Nine, Spades),(Queen, Clubs)],[(Five, Hearts),(Five, Diamonds),(Queen, Hearts),(King, Spades),(Four, Hearts),(King, Diamonds)],[(Eight, Hearts),(Ten, Spades),(Eight, Diamonds),(Three, Clubs),(Six, Hearts),(Ace, Hearts)],[(Seven, Spades),(Four, Clubs),(Jack, Clubs),(Jack, Hearts),(Seven, Hearts),(Eight, Clubs)],[(Three, Spades)],[(Ace, Clubs),(Ace, Spades),(Two, Diamonds)],[(Ten, Diamonds),(Five, Clubs),(Nine, Hearts),(Ten, Hearts),(Three, Diamonds),(Four, Diamonds)],[(Nine, Clubs),(Queen, Spades),(Ten, Clubs),(King, Clubs),(Queen, Diamonds),(Jack, Diamonds)],[(Six, Spades),(Two, Clubs),(King, Hearts),(Four, Spades),(Eight, Spades),(Two, Hearts)],[(Three, Hearts),(Jack, Spades),(Five, Spades),(Seven, Clubs),(Two, Spades),(Seven, Diamonds)],[(Six, Diamonds),(Six, Clubs),(Nine, Spades),(Queen, Clubs)],[(Five, Hearts),(Five, Diamonds),(Queen, Hearts),(King, Spades),(Four, Hearts),(King, Diamonds)],[(Eight, Hearts),(Ten, Spades),(Eight, Diamonds),(Three, Clubs),(Six, Hearts),(Ace, Hearts)],[(Seven, Spades),(Four, Clubs),(Jack, Clubs),(Jack, Hearts),(Seven, Hearts),(Eight, Clubs)],[(Nine, Diamonds),(Three, Spades)],[(Two, Clubs),(Ace, Spades),(Two, Diamonds)],[(Ten, Diamonds),(Five, Clubs),(Nine, Hearts),(Ten, Hearts),(Three, Diamonds),(Four, Diamonds)],[(Nine, Clubs),(Queen, Spades),(Ten, Clubs),(King, Clubs),(Queen, Diamonds),(Jack, Diamonds)],[(King, Hearts),(Four, Spades),(Eight, Spades),(Two, Hearts)],[(Three, Hearts),(Jack, Spades),(Five, Spades),(Seven, Clubs),(Two, Spades),(Seven, Diamonds)],[(Six, Diamonds),(Six, Clubs),(Nine, Spades),(Queen, Clubs)],[(Five, Hearts),(Five, Diamonds),(Queen, Hearts),(King, Spades),(Four, Hearts),(King, Diamonds)],[(Eight, Hearts),(Ten, Spades),(Eight, Diamonds),(Three, Clubs),(Six, Hearts),(Ace, Hearts)],[(Six, Spades),(Seven, Spades),(Four, Clubs),(Jack, Clubs),(Jack, Hearts),(Seven, Hearts),(Eight, Clubs)],[(Nine, Diamonds),(Three, Spades)],[(Ace, Clubs),(Ace, Spades),(Two, Diamonds)],[(Five, Clubs),(Nine, Hearts),(Ten, Hearts),(Three, Diamonds),(Four, Diamonds)],[(Nine, Clubs),(Queen, Spades),(Ten, Clubs),(King, Clubs),(Queen, Diamonds),(Jack, Diamonds)],[(Six, Spades),(Two, Clubs),(King, Hearts),(Four, Spades),(Eight, Spades),(Two, Hearts)],[(Three, Hearts),(Jack, Spades),(Five, Spades),(Seven, Clubs),(Two, Spades),(Seven, Diamonds)],[(Six, Diamonds),(Six, Clubs),(Nine, Spades),(Queen, Clubs)],[(Five, Hearts),(Five, Diamonds),(Queen, Hearts),(King, Spades),(Four, Hearts),(King, Diamonds),(King, Hearts),(King, Diamonds)],[(Eight, Hearts),(Ten, Spades),(Eight, Diamonds),(Three, Clubs),(Six, Hearts),(Ace, Hearts)],[(Seven, Spades),(Four, Clubs),(Jack, Clubs),(Jack, Hearts),(Seven, Hearts),(Eight, Clubs)],[(Nine, Diamonds),(Three, Spades),(Ten, Diamonds),(Three, Spades),(Ten, Di

[illegible]

			ee.Clubs),(Six,Hearts),(Ace,Hearts)],[(Seven,Spades),(Four,Clubs),(Jack,Clubs),(Jack,Hearts),(Seven,Hearts),(Eight,Clubs)],[(Nine,Diamonds),(Three,Spades),(Eight,Hearts)],[(Ace,Clubs),(Ace,Spades),(Two,Diamonds)],[(Ten,Diamonds),(Five,Clubs),(Nine,Hearts),(Ten,Hearts),(Three,Diamonds),(Four,Diamonds)],[(Nine,Clubs),(Queen,Spades),(Ten,Clubs),(King,Clubs),(Queen,Diamonds),(Jack,Diamonds)],[(Six,Spades),(Two,Clubs),(King,Hearts),(Four,Spades),(Eight,Spades),(Two,Hearts)],[(Three,Hearts),(Jack,Spades),(Five,Spades),(Seven,Clubs),(Two,Spades),(Seven,Diamonds)],[(Six,Diamonds),(Six,Clubs),(Nine,Spades),(Queen,Clubs)],[(Five,Hearts),(Five,Diamonds),(Queen,Hearts),(King,Spades),(Four,Hearts),(King,Diamonds)],[(Eight,Hearts),(Ten,Spades),(Eight,Diamonds),(Three,Clubs),(Six,Hearts),(Ace,Hearts)],[(Four,Clubs),(Jack,Clubs),(Jack,Hearts),(Seven,Hearts),(Eight,Clubs)],[(Nine,Diamonds),(Three,Spades),(Seven,Spades)]]]
findMoves	eODeal board	findMoves (eODeal 34)	[[[],[(King,Hearts),(Queen,Diamonds),(Nine,Clubs),(Two,Hearts),(Ace,Spades),(Two,Spades)],[(Queen,Clubs),(King,Clubs),(Six,Clubs),(Five,Clubs),(Four,Hearts),(Three,Clubs),(Ace,Hearts)],[(Three,Hearts),(Eight,Clubs),(Ace,Diamonds),(Jack,Diamonds),(Nine,Hearts),(Five,Hearts)],[(Five,Spades),(Two,Diamonds),(Ace,Clubs),(Jack,Hearts),(Seven,Hearts),(King,Spades)],[(Ten,Clubs),(Ten,Spades),(Nine,Spades),(Queen,Spades),(Eight,Spades),(Two,Clubs)],[(Eight,Diamonds),(Six,Spades),(Four,Clubs),(Three,Diamonds),(Eight,Hearts),(Three,Spades)],[(Jack,Spades),(Queen,Hearts),(King,Diamonds),(Six,Diamonds),(Six,Hearts),(Jack,Clubs)],[(Four,Spades),(Seven,Spades),(Ten,Diamonds),(Four,Diamonds),(Seven,Diamonds),(Ten,Hearts)]]],[(Nine,Diamonds),(Five,Diamonds),(Seven,Clubs)]]],[(King,Hearts),(Queen,Diamonds),(Nine,Clubs),(Two,Hearts),(Ace,Spades),(Two,Spades)],[(King,Clubs),(Six,Clubs),(Five,Clubs),(Four,Hearts),(Four,Hearts),(Three,Clubs),(Ace,Hearts)],[(Three,Hearts),(Eight,Clubs),(Ace,Diamonds),(Jack,Diamonds),(Nine,Hearts),(Five,Hearts)],[(Four,Spades),(Five,Spades),(Two,Diamonds),(Ace,Clubs),(Jack,Hearts),(Seven,Hearts),(King,Spades)],[(Ten,Clubs),(Ten,Spades),(Nine,Spades),(Queen,Spades),(Eight,Spades),(Two,Clubs)],[(Eight,Diamonds),(Six,Spades),(Four,Clubs),(Three,Diamonds),(Eight,Hearts),(Three,Spades)],[(Jack,Spades),(Queen,Hearts),(King,Diamonds),(Six,Diamonds),(Six,Hearts),(Jack,Clubs)],[(Four,Spades),(Seven,Spades),(Ten,Diamonds),(Four,Diamonds),(Seven,Diamonds),(Ten,Hearts)]]],[(Nine,Diamonds),(Five,Diamonds),(Queen,Clubs),(Seven,Clubs)]]],[(King,Hearts),(Queen,Diamonds),(Nine,Clubs),(Two,Hearts),(Ace,Spades),(Two,Spades)],[(King,Clubs),(Six,Clubs),(Five,Clubs),(Four,Hearts),(Three,Clubs),(Ace,Hearts)],[(Eight,Clubs),(Ace,Diamonds),(Jack,Diamonds),(Nine,Hearts),(Five,Hearts)],[(Five,Spades),(Two,Diamonds),(Ace,Clubs),(Jack,Hearts),(Seven,Hearts),(King,Spades)],[(Ten,Clubs),(Ten,Spades),(Nine,Spades),(Queen,Spades),(Eight,Spades),(Two,Clubs)],[(Eight,Diamonds),(Six,Spades),(Four,Clubs),(Three,Diamonds),(Eight,Hearts),(Three,Spades)],[(Jack,Spades),(Queen,Hearts),(King,Diamonds),(Six,Diamonds),(Six,Hearts),(Jack,Clubs)],[(Four,Spades),(Seven,Spades),(Ten,Diamonds),(Four,Diamonds),(Seven,Diamonds),(Ten,Hearts)]]],[(Nine,Diamonds),(Five,Diamonds),(Queen,Clubs),(Seven,Clubs),(Three,Hearts)]]],[(King,Hearts),(Queen,Diamonds),(Nine,Clubs),(Two,Hearts),(Ace,Spades),(Two,Spades)],[(King,Clubs),(Six,Clubs),(Five,Clubs),(Four,Hearts),(Three,Clubs),(Ace,Hearts)],[(Three,Hearts),(Eight,Clubs),(Ace,Diamonds),(Jack,Diamonds),(Nine,Hearts),(Five,Hearts)],[(Two,Diamonds),(Ace,Clubs),(Jack,Hearts),(Seven,Hearts),(King,Spades)],[(Ten,Clubs),(Ten,Spades),(Nine,Spades),(Queen,Spades),(Eight,Spades),(Two,Clubs)],[(Eight,Diamonds),(Six,Spades),(Four,Clubs),(Three,Diamonds),(Eight,Hearts),(Three,Spades)],[(Jack,Spades),(Queen,Hearts),(King,Diamonds),(Six,Diamonds),(Six,Hearts),(Jack,Clubs)],[(Four,Spades),(Seven,Spades),(Ten,Diamonds),(Four,Diamonds),(Seven,Diamonds),(Ten,Hearts)]]],[(Nine,Diamonds),(Five,Diamonds),(Queen,Clubs),(Seven,Clubs),(Five,Spades)]]],[(King,Hearts),(Queen,Diamonds),(Nine,Clubs),(Two,Hearts),(Ace,Spades),(Two,Spades)],[(King,Clubs),(Six,Clubs),(Five,Clubs),(Four,Hearts),(Three,Clubs),(Ace,Hearts)],[(Three,Hearts),(Eight,Clubs),(Ace,Diamonds),(Jack,Diamonds),(Nine,Hearts),(Five,Hearts)],[(Three,Hearts),(Eight,Clubs),(Ace,Diamonds),(Jack,Diamonds)

			<p>), (Nine, Hearts), (Five, Hearts)], [(Five, Spades), (Two, Diamonds), (Ace, Clubs), (Jack, Hearts), (Seven, Hearts), (King, Spades)], [(Ten, Spades), (Nine, Spades), (Queen, Spades), (Eight, Spades), (Two, Clubs)], [(Eight, Diamonds), (Six, Spades), (Four, Clubs), (Three, Diamonds), (Eight, Hearts), (Three, Spades)], [(Jack, Spades), (Queen, Hearts), (King, Diamonds), (Six, Diamonds), (Six, Hearts), (Jack, Clubs)], [(Four, Spades), (Seven, Spades), (Ten, Diamonds), (Four, Diamonds), (Seven, Diamonds), (Ten, Hearts)], [(Nine, Diamonds), (Five, Diamonds), (Queen, Clubs), (Seven, Clubs), (Ten, Clubs)], [(King, Hearts), (Queen, Diamonds), (Nine, Clubs), (Two, Hearts), (Ace, Spades), (Two, Spades)], [(King, Clubs), (Six, Clubs), (Five, Clubs), (Four, Hearts), (Three, Clubs), (Ace, Hearts)], [(Three, Hearts), (Eight, Clubs), (Ace, Diamonds), (Jack, Diamonds), (Nine, Hearts), (Five, Hearts)], [(Five, Spades), (Two, Diamonds), (Ace, Clubs), (Jack, Hearts), (Seven, Hearts), (King, Spades)], [(Ten, Clubs), (Ten, Spades), (Nine, Spades), (Queen, Spades), (Eight, Spades), (Two, Clubs)], [(Six, Spades), (Four, Clubs), (Three, Diamonds), (Eight, Hearts), (Three, Spades)], [(Jack, Spades), (Queen, Hearts), (King, Diamonds), (Six, Diamonds), (Six, Hearts), (Jack, Clubs)], [(Four, Spades), (Seven, Spades), (Ten, Diamonds), (Four, Diamonds), (Seven, Diamonds), (Ten, Hearts)], [(Nine, Diamonds), (Five, Diamonds), (Queen, Clubs), (Seven, Clubs), (Eight, Diamonds)], [(King, Hearts), (Queen, Diamonds), (Nine, Clubs), (Two, Hearts), (Ace, Spades), (Two, Spades)], [(King, Clubs), (Six, Clubs), (Five, Clubs), (Four, Hearts), (Three, Clubs), (Ace, Hearts)], [(Three, Hearts), (Eight, Clubs), (Ace, Diamonds), (Jack, Diamonds), (Nine, Hearts), (Five, Hearts)], [(Five, Spades), (Two, Diamonds), (Ace, Clubs), (Jack, Hearts), (Seven, Hearts), (King, Spades)], [(Ten, Clubs), (Ten, Spades), (Nine, Spades), (Queen, Spades), (Eight, Spades), (Two, Clubs)], [(Eight, Diamonds), (Six, Spades), (Four, Clubs), (Three, Diamonds), (Eight, Hearts), (Three, Spades)], [(Queen, Hearts), (King, Diamonds), (Six, Diamonds), (Six, Hearts), (Jack, Clubs)], [(Four, Spades), (Seven, Spades), (Ten, Diamonds), (Four, Diamonds), (Seven, Diamonds), (Ten, Hearts)], [(Nine, Diamonds), (Five, Diamonds), (Queen, Clubs), (Seven, Clubs), (Eight, Diamonds)], [(King, Hearts), (Queen, Diamonds), (Nine, Clubs), (Two, Hearts), (Ace, Spades), (Two, Spades)], [(King, Clubs), (Six, Clubs), (Five, Clubs), (Four, Hearts), (Three, Clubs), (Ace, Hearts)], [(Three, Hearts), (Eight, Clubs), (Ace, Diamonds), (Jack, Diamonds), (Nine, Hearts), (Five, Hearts)], [(Five, Spades), (Two, Diamonds), (Ace, Clubs), (Jack, Hearts), (Seven, Hearts), (King, Spades)], [(Ten, Clubs), (Ten, Spades), (Nine, Spades), (Queen, Spades), (Eight, Spades), (Two, Clubs)], [(Eight, Diamonds), (Six, Spades), (Four, Clubs), (Three, Diamonds), (Eight, Hearts), (Three, Spades)], [(Jack, Spades), (Queen, Hearts), (King, Diamonds), (Six, Diamonds), (Six, Hearts), (Jack, Clubs)], [(Seven, Spades), (Ten, Diamonds), (Four, Diamonds), (Seven, Diamonds), (Ten, Hearts)], [(Nine, Diamonds), (Five, Diamonds), (Queen, Clubs), (Seven, Clubs), (Eight, Diamonds)]</p>
boardsNotEqual	Equal boards	boardsNotEqual (eODDeal 45) (eODDeal 45)	False
boardsNotEqual	Unequal boards	boardsNotEqual (eODDeal 45) (eODDeal 40)	True
boardsNotEqual	One empty board	boardsNotEqual (eODDeal 45) ([, [],])	True
boardsNotEqual	Two empty boards	boardsNotEqual ([, [],] ([, [],])	False
getStack	One item stack	getStack [(Ten, Diamonds),	[(Ten, Diamonds)]

		(Five,Clubs),(Nine,Hearts),(Ten,Hearts),(Three,Diamonds),(Four,Diamonds] []	
getStack	Two item stack	getStack [(Eight,Clubs),(Nine,Clubs),(Ten,Clubs),(Jack,Clubs),(Queen,Clubs),(King,Clubs),(Ace,Spades)] []	[(Nine,Diamonds),(Ten,Diamonds)]
getStack	Whole input is stack	getStack [(Five,Hearts),(Six,Hearts),(Seven,Hearts),(Eight,Hearts),(Nine,Hearts),(Ten,Hearts)] []	[(Five,Hearts),(Six,Hearts),(Seven,Hearts),(Eight,Hearts),(Nine,Hearts),(Ten,Hearts)]
cardSecond	Ordered board - no movable cards	cardSecond order [[(Five,Hearts),(Six,Hearts),(Seven,Hearts),(Eight,Hearts),(Nine,Hearts),(Ten,Hearts)],[(Jack,Hearts),(Queen,Hearts),(King,Hearts),(Ace,Diamonds),(Two,Diamonds),(Three,Diamonds)],[(Four,Diamonds),(Five,Diamonds),(Six,Diamonds),(Seven,Diamonds),(Eight,Diamonds),(Nine,Diamonds)],[(Ten,Diamonds),(Jack,Diamonds),(Queen,Diamonds),(King,Diamonds),(Ace,Clubs),(Two,Clubs)],[(Three,Clubs),(Four,Clubs),(Five,Clubs),(Six,Clubs),(Seven,Clubs),(Eight,Clubs)],[(Nine,Clubs),(Ten,Clubs),(Jack,Clubs),(Queen,Clubs),(King,Clubs),(Ace,Spades)],[(Two,Spades),(Three,Spades),(Four,Spades),(Five,Spades),(Six,Spades),(Seven,Spades)],[(Eight,Spades),(Nine,Spades),(Ten,Spades),(Jack,Spades),(Queen,Spades),(King,Spades)]]	Nothing
cardSecond	Movable card in the second place of a column	cardSecond (eODDeal 45) [[(Ten,Diamonds),(Five,Clubs),(Nine,Hearts),(Ten,Hearts),(Three,Diamonds),(Four,Diamonds)],[(Nine,Clubs),(Queen,Spades),(Ten,Clubs),(King,Clubs),(Queen,Diamonds),	Just 4

		(Jack,Diamonds)],[(Six,Spades),(Two,Clubs),(King,Hearts),(Four,Spades),(Eight,Spades),(Two,Hearts)],[(Three,Hearts),(Jack,Spades),(Five,Spades),(Seven,Clubs),(Two,Spades),(Seven,Diamonds)],[(Two,Diamonds),(Ace,Clubs),(Six,Diamonds),(Six,Clubs),(Nine,Spades),(Queen,Clubs)],[(Five,Hearts),(Five,Diamonds),(Queen,Hearts),(King,Spades),(Four,Hearts),(King,Diamonds)],[(Eight,Hearts),(Ten,Spades),(Eight,Diamonds),(Three,Clubs),(Six,Hearts),(Ace,Hearts)],[(Seven,Spades),(Four,Clubs),(Jack,Clubs),(Jack,Hearts),(Seven,Hearts),(Eight,Clubs)]]	
cardSecond	Empty columns	cardSecond ([],[],[]) []	Nothing
cardSecond	No movable cards	cardSecond (eODeal 34) [[[(King,Hearts),(Queen,Diamonds),(Nine,Clubs),(Two,Hearts),(Ace,Spades),(Two,Spades)],[(King,Clubs),(Six,Clubs),(Five,Clubs),(Four,Hearts),(Three,Clubs),(Ace,Hearts)],[(Three,Hearts),(Eight,Clubs),(Ace,Diamonds),(Jack,Diamonds),(Nine,Hearts),(Five,Hearts)],[(Five,Spades),(Two,Diamonds),(Ace,Clubs),(Jack,Hearts),(Seven,Hearts),(King,Spades)],[(Ten,Clubs),(Ten,Spades),(Nine,Spades),(Queen,Spades),(Eight,Spades),(Two,Clubs)],[(Eight,Diamonds),(Six,Spades),(Four,Clubs),(Three,Diamonds),(Eight,Hearts),(Three,Spades)],[(Jack,Spades),(Queen,Hearts),(King,Diamonds),(Six,Diamonds),(Six,Hearts),(Jack,Clubs)],[(Four,Spades),(Seven,Spades),(Ten,Diamonds),(Four,Diamonds),(Seven,Diamonds),(Ten,Hearts)]]	Nothing
resToColumns	Ordered board	resToColumns order	[[[],[(Four,Hearts),(Five,Hearts),(Six,Hearts),(Seven,Hearts),(Eight,Hearts),(Nine,Hearts),(Ten,Hearts)],[(Jack,Hearts),(Queen,Hearts),(King,Hearts),(Ace,Diamonds),(Two,Diamonds),(Three,Diamonds)],[(Four,Diamonds),(Five,Diamonds),(Six,Diamonds),(Seven,Diamonds),(Eight,Diamonds),(Nine,Diamonds)],[(Ten,Diamonds),(Jack,Diamonds),(Queen,Diamonds),(King,Diamonds),(Ace,Clubs),(Two,Clubs)],[(Three,Clubs),(Four,Clubs),(Five,Clubs),(Six,Clubs),(Seven,Clubs),(Eight,Clubs)]]

			ht, Clubs]], [(Nine, Clubs), (Ten, Clubs), (Jack, Clubs), (Queen, Clubs), (King, Clubs), (Ace, Spades)], [(Two, Spades), (Three, Spades), (Four, Spades), (Five, Spades), (Six, Spades), (Seven, Spades)], [(Eight, Spades), (Nine, Spades), (Ten, Spades), (Jack, Spades), (Queen, Spades), (King, Spades)]], [(Ace, Hearts), (Two, Hearts), (Three, Hearts)]]
resToColumns	eODeal board where moves are possible	resToColumns (eODeal 45)	[[[], [(Nine, Diamonds), (Ten, Diamonds), (Five, Clubs), (Nine, Hearts), (Ten, Hearts), (Three, Diamonds), (Four, Diamonds)], [(Nine, Clubs), (Queen, Spades), (Ten, Clubs), (King, Clubs), (Queen, Diamonds), (Jack, Diamonds)], [(Six, Spades), (Two, Clubs), (King, Hearts), (Four, Spades), (Eight, Spades), (Two, Hearts)], [(Three, Hearts), (Jack, Spades), (Five, Spades), (Seven, Clubs), (Two, Spades), (Seven, Diamonds)], [(Two, Diamonds), (Ace, Clubs), (Six, Diamonds), (Six, Clubs), (Nine, Spades), (Queen, Clubs)], [(Five, Hearts), (Five, Diamonds), (Queen, Hearts), (King, Spades), (Four, Hearts), (King, Diamonds)], [(Eight, Hearts), (Ten, Spades), (Eight, Diamonds), (Three, Clubs), (Six, Hearts), (Ace, Hearts)], [(Seven, Spades), (Four, Clubs), (Jack, Clubs), (Jack, Hearts), (Seven, Hearts), (Eight, Clubs)]]], [(Ace, Spades), (Ace, Diamonds), (Three, Spades)]]], [[], [(Ten, Diamonds), (Five, Clubs), (Nine, Hearts), (Ten, Hearts), (Three, Diamonds), (Four, Diamonds)], [(Nine, Clubs), (Queen, Spades), (Ten, Clubs), (King, Clubs), (Queen, Diamonds), (Jack, Diamonds)], [(Six, Spades), (Two, Clubs), (King, Hearts), (Four, Spades), (Eight, Spades), (Two, Hearts)], [(Three, Hearts), (Jack, Spades), (Five, Spades), (Seven, Clubs), (Two, Spades), (Seven, Diamonds)], [(Ace, Diamonds), (Two, Diamonds), (Ace, Clubs), (Six, Diamonds), (Six, Clubs), (Nine, Spades), (Queen, Clubs)], [(Five, Hearts), (Five, Diamonds), (Queen, Hearts), (King, Spades), (Four, Hearts), (King, Diamonds)], [(Eight, Hearts), (Ten, Spades), (Eight, Diamonds), (Three, Clubs), (Six, Hearts), (Ace, Hearts)], [(Seven, Spades), (Four, Clubs), (Jack, Clubs), (Jack, Hearts), (Seven, Hearts), (Eight, Clubs)]]], [(Ace, Spades), (Nine, Diamonds), (Three, Spades)]]]
resToColumns	Empty board	resToColumns ([], [], [])	[]
kingToEmpty	Ordered board	kingToEmpty order	[]
kingToEmpty	Can move a king to an empty column	kingToEmpty ([], [(King, Hearts), (Queen, Diamonds), (Nine, Clubs), (Two, Hearts), (Ace, Spades), (Two, Spades)], [], [(Three, Hearts), (Eight, Clubs), (Ace, Diamonds), (Jack, Diamonds), (Nine, Hearts), (Five, Hearts)], [(Five, Spades), (Two, Diamonds), (Ace, Clubs), (Jack, Hearts), (Seven, Hearts), (King, Spades)], [(Ten, Clubs), (Ten, Spades), (Nine, Spades), (Queen, Spades), (Eight, Spades), (Two, Clubs)], [(Eight, Diamonds), (Six, Spades), (Four, Clubs), (Three, Diamonds), (Eight, Hearts), (Three, Spades)], [(Jack, Spades), (Queen, Hearts), (King, Diamonds), (Six, Diamonds), (Six, Hearts), (Jack, Clubs)], [(Four, Spades), (Seven, Spades), (Ten, Diamonds), (Four, Diamonds), (Seven, Diamonds), (Ten, Hearts)]]], [(Nine, Diamonds), (Five, Diamonds), (Queen, Clubs), (Seven, Clubs)]]]	

		arts),(Three,Spades)],[(Jack,Spades),(Queen,Hearts),(King,Diamonds),(Six,Diamonds),(Six,Hearts),(Jack,Clubs)],[(Four,Spades),(Seven,Spades),(Ten,Diamonds),(Four,Diamonds),(Seven,Diamonds),(Ten,Hearts)]],[(Nine,Diamonds),(Five,Diamonds),(Queen,Clubs),(Seven,Clubs)])	
kingToEmpty	One king and no empty columns	kingToEmpty ([(King,Hearts),(Queen,Diamonds),(Nine,Clubs),(Two,Hearts),(Ace,Spades),(Two,Spades)],[(Six,Clubs),(Five,Clubs),(Four,Hearts),(Three,Clubs),(Ace,Hearts)],[(Three,Hearts),(Eight,Clubs),(Ace,Diamonds),(Jack,Diamonds),(Nine,Hearts),(Five,Hearts)],[(Five,Spades),(Two,Diamonds),(Ace,Clubs),(Jack,Hearts),(Seven,Hearts),(King,Spades)],[(Ten,Clubs),(Ten,Spades),(Nine,Spades),(Queen,Spades),(Eight,Spades),(Two,Clubs)],[(Eight,Diamonds),(Six,Spades),(Four,Clubs),(Three,Diamonds),(Eight,Hearts),(Three,Spades)],[(Jack,Spades),(Queen,Hearts),(King,Diamonds),(Six,Diamonds),(Six,Hearts),(Jack,Clubs)],[(Four,Spades),(Seven,Spades),(Ten,Diamonds),(Four,Diamonds),(Ten,Hearts)],[(Nine,Diamonds),(Five,Diamonds),(Queen,Clubs),(Seven,Clubs)])	([(King,Hearts),(Queen,Diamonds),(Nine,Clubs),(Two,Hearts),(Ace,Spades),(Two,Spades)],[(Six,Clubs),(Five,Clubs),(Four,Hearts),(Three,Clubs),(Ace,Hearts)],[(Three,Hearts),(Eight,Clubs),(Ace,Diamonds),(Jack,Diamonds),(Nine,Hearts),(Five,Hearts)],[(Five,Spades),(Two,Diamonds),(Ace,Clubs),(Jack,Hearts),(Seven,Hearts),(King,Spades)],[(Ten,Clubs),(Ten,Spades),(Nine,Spades),(Queen,Spades),(Eight,Spades),(Two,Clubs)],[(Eight,Diamonds),(Six,Spades),(Four,Clubs),(Three,Diamonds),(Eight,Hearts),(Three,Spades)],[(Jack,Spades),(Queen,Hearts),(King,Diamonds),(Six,Diamonds),(Six,Hearts),(Jack,Clubs)],[(Four,Spades),(Seven,Spades),(Ten,Diamonds),(Four,Diamonds),(Seven,Diamonds),(Ten,Hearts)],[(Nine,Diamonds),(Five,Diamonds),(Queen,Clubs),(Seven,Clubs)])
stackToReserves	Move stack of one item to reserves only	stackToReserves (eODDeal 45)	([(Five,Clubs),(Nine,Hearts),(Ten,Hearts),(Three,Diamonds),(Four,Diamonds)],[(Nine,Clubs),(Queen,Spades),(Ten,Clubs),(King,Clubs),(Queen,Diamonds),(Jack,Diamonds)],[(Six,Spades),(Two,Clubs),(King,Hearts),(Four,Spades),(Eight,Spades),(Two,Hearts)],[(Three,Hearts),(Jack,Spades),(Five,Spades),(Seven,Clubs),(Two,Spades),(Seven,Diamonds)],[(Two,Diamonds),(Ace,Clubs),(Six,Diamonds),(Six,Clubs),(Nine,Spades),(Queen,Clubs)],[(Five,Hearts),(Five,Diamonds),(Queen,Hearts),(King,Spades),(Four,Hearts),(King,Diamonds)],[(Eight,Hearts),(Ten,Spades),(Eight,Diamonds),(Three,Clubs),(Six,Hearts),(Ace,Hearts)],[(Seven,Spades),(Four,Clubs),(Jack,Clubs),(Jack,Hearts),(Seven,Hearts),(Eight,Clubs)],[(Ace,Spades),(Nine,Diamonds),(Ace,Diamonds),(Three,Spades),(Ten,Diamonds)],[(Ten,Diamonds),(Five,Clubs),(Nine,Hearts),(Ten,Hearts),(Three,Diamonds),(Four,Diamonds)],[(Queen,Spades),(Ten,Clubs),(King,Clubs),(Queen,Diamonds),(Jack,Diamonds)],[(Six,Spades),(Two,Clubs),(King,Hearts),(Four,Spades),(Eight,Spades),(Two,Hearts)],[(Three,Hearts),(Jack,Spades),(Five,Spades),(Seven,Clubs),(Two,Spades),(Seven,Diamonds)],[(Two,Diamonds),(Ace,Clubs),(Six,Diamonds),(Six,Clubs),(Nine,Spades),(Queen,Clubs)],[(Five,Hearts),(Five,Diamonds),(Queen,Hearts),(King,Spades),(Four,Hearts),(King,Diamonds)],[(Eight,Hearts),(Ten,Spades),(Eight,Diamonds),(Three,Clubs),(Six,Hearts)]

			s),(Ace,Hearts)],[(Seven,Spades),(Four,Clubs),(Jack,C lubs),(Jack,Hearts),(Seven,Hearts),(Eight,Clubs)]],[Ac e,Spades),(Nine,Diamonds),(Ace,Diamonds),(Three,S pades),(Nine,Clubs)]],[((Ten,Diamonds),(Five,Clubs) ,(Nine,Hearts),(Ten,Hearts),(Three,Diamonds),(Four,Di amonds)],[(Nine,Clubs),(Queen,Spades),(Ten,Clubs),(King,Clubs),(Queen,Diamonds),(Jack,Diamonds)],[(Tw o,Clubs),(King,Hearts),(Four,Spades),(Eight,Spades),(Two,Hearts)],[(Three,Hearts),(Jack,Spades),(Five,Spa des),(Seven,Clubs),(Two,Spades),(Seven,Diamonds)], [(Two,Diamonds),(Ace,Clubs),(Six,Diamonds),(Six,Clu bs),(Nine,Spades),(Queen,Clubs)],[(Five,Hearts),(Five, Diamonds),(Queen,Hearts),(King,Spades),(Four,Heart s),(King,Diamonds)],[(Eight,Hearts),(Ten,Spades),(Eig ht,Diamonds),(Three,Clubs),(Six,Hearts),(Ace,Hearts)], [(Seven,Spades),(Four,Clubs),(Jack,Clubs),(Jack,Heart s),(Seven,Hearts),(Eight,Clubs)]],[Ace,Spades),(Nine, Diamonds),(Ace,Diamonds),(Three,Spades),(Six,Spad es)]],[((Ten,Diamonds),(Five,Clubs),(Nine,Hearts),(T en,Hearts),(Three,Diamonds),(Four,Diamonds)],[(Nine, Clubs),(Queen,Spades),(Ten,Clubs),(King,Clubs),(Que en,Diamonds),(Jack,Diamonds)],[(Six,Spades),(Two,Cl ubs),(King,Hearts),(Four,Spades),(Eight,Spades),(Two ,Hearts)],[(Jack,Spades),(Five,Spades),(Seven,Clubs), (Two,Spades),(Seven,Diamonds)],[(Two,Diamonds),(A ce,Clubs),(Six,Diamonds),(Six,Clubs),(Nine,Spades),(Queen,Clubs)],[(Five,Hearts),(Five,Diamonds),(Queen, Hearts),(King,Spades),(Four,Hearts),(King,Diamonds)], [(Eight,Hearts),(Ten,Spades),(Eight,Diamonds),(Three, Clubs),(Six,Hearts),(Ace,Hearts)],[(Seven,Spades),(Fo ur,Clubs),(Jack,Clubs),(Jack,Hearts),(Seven,Hearts),(E ight,Clubs)]],[Ace,Spades),(Nine,Diamonds),(Ace,Dia monds),(Three,Spades),(Three,Hearts)]],[((Ten,Dia monds),(Five,Clubs),(Nine,Hearts),(Ten,Hearts),(Three ,Diamonds),(Four,Diamonds)],[(Nine,Clubs),(Queen,Sp ades),(Ten,Clubs),(King,Clubs),(Queen,Diamonds),(Ja ck,Diamonds)],[(Six,Spades),(Two,Clubs),(King,Hearts ,)(Four,Spades),(Eight,Spades),(Two,Hearts)],[(Three, Hearts),(Jack,Spades),(Five,Spades),(Seven,Clubs),(T wo,Spades),(Seven,Diamonds)],[(Ace,Clubs),(Six,Dia monds),(Six,Clubs),(Nine,Spades),(Queen,Clubs)],[(Fi ve,Hearts),(Five,Diamonds),(Queen,Hearts),(King,Spa des),(Four,Hearts),(King,Diamonds)],[(Eight,Hearts),(T en,Spades),(Eight,Diamonds),(Three,Clubs),(Six,Heart s),(Ace,Hearts)],[(Seven,Spades),(Four,Clubs),(Jack,C lubs),(Jack,Hearts),(Seven,Hearts),(Eight,Clubs)]],[Ac e,Spades),(Nine,Diamonds),(Ace,Diamonds),(Three,S pades),(Two,Diamonds)]],[((Ten,Diamonds),(Five,Cl ubs),(Nine,Hearts),(Ten,Hearts),(Three,Diamonds),(Fo ur,Diamonds)],[(Nine,Clubs),(Queen,Spades),(Ten,Clu bs),(King,Clubs),(Queen,Diamonds),(Jack,Diamonds)], [(Six,Spades),(Two,Clubs),(King,Hearts),(Four,Spades ,)(Eight,Spades),(Two,Hearts)],[(Three,Hearts),(Jack,S pades),(Five,Spades),(Seven,Clubs),(Two,Spades),(S even,Diamonds)],[(Two,Diamonds),(Ace,Clubs),(Six,Di amonds),(Six,Clubs),(Nine,Spades),(Queen,Clubs)],[(F ive,Diamonds),(Queen,Hearts),(King,Spades),(Four,He arts),(King,Diamonds)],[(Eight,Hearts),(Ten,Spades),(E ight,Diamonds),(Three,Clubs),(Six,Hearts),(Ace,Hearts)],[(Seven,Spades),(Four,Clubs),(Jack,Clubs),(Jack,He arts),(Seven,Hearts),(Eight,Clubs)]],[Ace,Spades),(Nin e,Diamonds),(Ace,Diamonds),(Three,Spades),(Five,He arts)]],[((Ten,Diamonds),(Five,Clubs),(Nine,Hearts),(Ten,Hearts),(Three,Diamonds),(Four,Diamonds)],[(Nin e,Clubs),(Queen,Spades),(Ten,Clubs),(King,Clubs),(Q ueen,Diamonds),(Jack,Diamonds)],[(Six,Spades),(Two ,Clubs),(King,Hearts),(Four,Spades),(Eight,Spades),(T wo,Hearts)],[(Three,Hearts),(Jack,Spades),(Five,Spad es),(Seven,Clubs),(Two,Spades),(Seven,Diamonds)],[(Two,Diamonds),(Ace,Clubs),(Six,Diamonds),(Six,Club s),(Nine,Spades),(Queen,Clubs)],[(Five,Hearts),(Five,D iamonds),(Queen,Hearts),(King,Spades),(Four,Hearts), (King,Diamonds)],[(Ten,Spades),(Eight,Diamonds),(Th ree,Clubs),(Six,Hearts),(Ace,Hearts)],[(Seven,Spades), (Four,Clubs),(Jack,Clubs),(Jack,Hearts),(Seven,Hearts ,)(Eight,Clubs)]],[Ace,Spades),(Nine,Diamonds),(Ace, Diamonds),(Three,Spades),(Eight,Hearts)]],[((Ten,Di amonds),(Five,Clubs),(Nine,Hearts),(Ten,Hearts),(Thre e,Diamonds),(Four,Diamonds)],[(Nine,Clubs),(Queen,S pades),(Ten,Clubs),(King,Clubs),(Queen,Diamonds),(J ack,Diamonds)],[(Six,Spades),(Two,Clubs),(King,Heart s),(Four,Spades),(Eight,Spades),(Two,Hearts)],[(Three ,Hearts),(Jack,Spades),(Five,Spades),(Seven,Clubs),
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[illegible]

			<p>,Diamonds)],[(Eight,Hearts),(Ten,Spades),(Eight,Diamonds),(Three,Clubs),(Six,Hearts),(Ace,Hearts)],[(Seven,Spades),(Ten,Diamonds),(Jack,Clubs),(Jack,Hearts),(Seven,Hearts),(Eight,Clubs)],[(Ace,Spades),(Nine,Diamonds),(Ace,Diamonds),(Three,Spades),(Six,Spades)],[],[(Four,Clubs),(Five,Clubs),(Nine,Hearts),(Ten,Hearts),(Three,Diamonds),(Four,Diamonds)],[(Nine,Clubs),(Queen,Spades),(Ten,Clubs),(King,Clubs),(Queen,Diamonds),(Jack,Diamonds)],[(Six,Spades),(Two,Clubs),(King,Hearts),(Four,Spades),(Eight,Spades),(Two,Hearts)],[(Ten,Spades),(Jack,Spades),(Five,Spades),(Seven,Clubs),(Two,Spades),(Seven,Diamonds)],[(Ace,Clubs),(Six,Diamonds),(Six,Clubs),(Nine,Spades),(Queen,Clubs)],[(Five,Hearts),(Five,Diamonds),(Queen,Hearts),(King,Spades),(Four,Hearts),(King,Diamonds)],[(Eight,Hearts),(Ten,Spades),(Eight,Diamonds),(Three,Clubs),(Six,Hearts),(Ace,Hearts)],[(Seven,Spades),(Ten,Diamonds),(Jack,Clubs),(Jack,Hearts),(Seven,Hearts),(Eight,Clubs)],[(Ace,Spades),(Nine,Diamonds),(Ace,Diamonds),(Three,Spades),(Two,Diamonds)],[],[(Four,Clubs),(Five,Clubs),(Nine,Hearts),(Ten,Hearts),(Three,Diamonds),(Four,Diamonds)],[(Nine,Clubs),(Queen,Spades),(Ten,Clubs),(King,Clubs),(Queen,Diamonds),(Jack,Diamonds)],[(Six,Spades),(Two,Clubs),(King,Hearts),(Four,Spades),(Eight,Spades),(Two,Hearts)],[(Ten,Spades),(Jack,Spades),(Five,Spades),(Seven,Clubs),(Two,Spades),(Seven,Diamonds)],[(Two,Diamonds),(Ace,Clubs),(Six,Diamonds),(Six,Clubs),(Nine,Spades),(Queen,Clubs)],[(Five,Diamonds),(Queen,Hearts),(King,Spades),(Four,Hearts),(King,Diamonds)],[(Eight,Hearts),(Ten,Spades),(Eight,Diamonds),(Three,Clubs),(Six,Hearts),(Ace,Hearts)],[(Seven,Spades),(Ten,Diamonds),(Jack,Clubs),(Jack,Hearts),(Seven,Hearts),(Eight,Clubs)],[(Ace,Spades),(Nine,Diamonds),(Ace,Diamonds),(Three,Spades),(Five,Hearts)],[],[(Four,Clubs),(Five,Clubs),(Nine,Hearts),(Ten,Hearts),(Three,Diamonds),(Four,Diamonds)],[(Nine,Clubs),(Queen,Spades),(Ten,Clubs),(King,Clubs),(Queen,Diamonds),(Jack,Diamonds)],[(Six,Spades),(Two,Clubs),(King,Hearts),(Four,Spades),(Eight,Spades),(Two,Hearts)],[(Ten,Spades),(Jack,Spades),(Five,Spades),(Seven,Clubs),(Two,Spades),(Seven,Diamonds)],[(Two,Diamonds),(Ace,Clubs),(Six,Diamonds),(Six,Clubs),(Nine,Spades),(Queen,Clubs)],[(Five,Hearts),(Five,Diamonds),(Queen,Hearts),(King,Spades),(Four,Hearts),(King,Diamonds)],[(Ten,Spades),(Eight,Diamonds),(Three,Clubs),(Six,Hearts),(Ace,Hearts)],[(Seven,Spades),(Ten,Diamonds),(Jack,Clubs),(Jack,Hearts),(Seven,Hearts),(Eight,Clubs)],[(Ace,Spades),(Nine,Diamonds),(Ace,Diamonds),(Three,Spades),(Eight,Hearts)],[],[(Four,Clubs),(Five,Clubs),(Nine,Hearts),(Ten,Hearts),(Three,Diamonds),(Four,Diamonds)],[(Nine,Clubs),(Queen,Spades),(Ten,Clubs),(King,Clubs),(Queen,Diamonds),(Jack,Diamonds)],[(Six,Spades),(Two,Clubs),(King,Hearts),(Four,Spades),(Eight,Spades),(Two,Hearts)],[(Ten,Spades),(Jack,Spades),(Five,Spades),(Seven,Clubs),(Two,Spades),(Seven,Diamonds)],[(Two,Diamonds),(Ace,Clubs),(Six,Diamonds),(Six,Clubs),(Nine,Spades),(Queen,Clubs)],[(Five,Hearts),(Five,Diamonds),(Queen,Hearts),(King,Spades),(Four,Hearts),(King,Diamonds)],[(Eight,Hearts),(Ten,Spades),(Eight,Diamonds),(Three,Clubs),(Six,Hearts),(Ace,Hearts)],[(Ten,Diamonds),(Jack,</p>
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			Clubs),(Jack,Hearts),(Seven,Hearts),(Eight,Clubs)],[Ace,Spades),(Nine,Diamonds),(Ace,Diamonds),(Three,Spades),(Seven,Spades)]]]
colToColumns	No cards to move	colToColumns ([],[(King,Hearts),(Queen,Diamonds),(Nine,Clubs),(Two,Hearts),(Ace,Spades),(Two,Spades)],[(King,Clubs),(Six,Clubs),(Five,Clubs),(Four,Hearts),(Three,Clubs),(Ace,Heart s)],[(Three,Hearts),(Eight ,Clubs),(Ace,Diamonds), (Jack,Diamonds),(Nine, Hearts),(Five,Hearts)],[(Five,Spades),(Two,Diam onds),(Ace,Clubs),(Jack, Hearts),(Seven,Hearts),(King,Spades)],[(Ten,Clu bs),(Ten,Spades),(Nine, Spades),(Queen,Spades),(Eight,Spades),(Two,Cl ubs)],[(Eight,Diamonds), (Six,Spades),(Four,Club s),(Three,Diamonds),(Ei ght,Hearts),(Three,Spad es)],[(Jack,Spades),(Qu een,Hearts),(King,Diamo nds),(Six,Diamonds),(Six ,Hearts),(Jack,Clubs)],[(Seven,Spades),(Ten,Dia monds),(Four,Diamonds),(Seven,Diamonds),(Te n,Hearts)],[Nine,Diamo nds),(Five,Diamonds),(Q ueen,Clubs),(Seven,Clu bs)])	[]
colToColumns	One card to move to another column	colToColumns (eODDeal 34)	[[[],[(King,Hearts),(Queen,Diamonds),(Nine,Clubs),(Two,Hearts),(Ace,Spades),(Two,Spades)],[(King,Clubs),(Six,Clubs),(Five,Clubs),(Four,Hearts),(Three,Clubs),(Ace,Hearts)],[(Three,Hearts),(Eight,Clubs),(Ace,Diamonds),(Jack,Diamonds),(Nine,Hearts),(Five,Hearts)],[(Four,Spades),(Five,Spades),(Two,Diamonds),(Ace,Clubs),(Jack,Hearts),(Seven,Hearts),(King,Spades)],[(Ten,Clubs),(Ten,Spades),(Nine,Spades),(Queen,Spades),(Eight,Spades),(Two,Clubs)],[(Eight,Diamonds),(Six,Spades),(Four,Clubs),(Three,Diamonds),(Eight,Hearts),(Three,Spades)],[(Jack,Spades),(Queen,Hearts),(King,Diamonds),(Six,Diamonds),(Six,Hearts),(Jack,Clubs)],[(Seven,Spades),(Ten,Diamonds),(Four,Diamonds),(Seven,Diamonds),(Ten,Hearts)],[Nine,Diamonds),(Five,Diamonds),(Queen,Clubs),(Seven,Clubs)]]]
colToColumns	Multiple cards can move	([],[(King,Hearts),(Queen,Diamonds),(Nine,Clubs),(Two,Hearts),(Ace,Spades),(Two,Spades)],[(King,Clubs),(Six,Clubs),(Five,Clubs),(Four,Hearts),(Three,Clubs),(Ace,Heart s)],[(Three,Hearts),(Eight ,Clubs),(Ace,Diamonds), (Jack,Diamonds),(Nine, Hearts),(Five,Hearts)],[(Five,Spades),(Two,Diam	[[[],[(King,Hearts),(Queen,Diamonds),(Nine,Clubs),(Ace,Spades),(Two,Spades)],[(King,Clubs),(Six,Clubs),(Five,Clubs),(Four,Hearts),(Three,Clubs),(Ace,Hearts)],[(Two,Hearts),(Three,Hearts),(Eight,Clubs),(Ace,Diamonds),(Jack,Diamonds),(Nine,Hearts),(Five,Hearts)],[(Five,Spades),(Two,Diamonds),(Ace,Clubs),(Jack,Hearts),(Seven,Hearts),(King,Spades)],[(Ten,Clubs),(Ten,Spades),(Nine,Spades),(Queen,Spades),(Eight,Spades),(Two,Clubs)],[(Eight,Diamonds),(Six,Spades),(Four,Clubs),(Three,Diamonds),(Eight,Hearts),(Three,Spades)],[(Jack,Spades),(Queen,Hearts)]]]

		onds),(Ace,Clubs),(Jack,Hearts),(Seven,Hearts),(King,Spades)],[(Two,Hearts),(Ten,Clubs),(Ten,Spades),(Nine,Spades),(Queen,Spades),(Eight,Spades),(Two,Clubs)],[(Eight,Diamonds),(Six,Spades),(Four,Clubs),(Three,Diamonds),(Eight,Hearts),(Three,Spades)],[(Jack,Spades),(Queen,Hearts),(King,Diamonds),(Six,Diamonds),(Six,Hearts),(Jack,Clubs)],[(Four,Spades),(Seven,Spades),(Ten,Diamonds),(Four,Diamonds),(Seven,Diamonds),(Ten,Hearts)],[(Nine,Diamonds),(Five,Diamonds),(Queen,Clubs),(Seven,Clubs)]	,(King,Diamonds),(Six,Diamonds),(Six,Hearts),(Jack,Clubs)],[(Four,Spades),(Seven,Spades),(Ten,Diamonds),(Four,Diamonds),(Seven,Diamonds),(Ten,Hearts)],[(Nine,Diamonds),(Five,Diamonds),(Queen,Clubs),(Seven,Clubs)],[(King,Hearts),(Queen,Diamonds),(Nine,Clubs),(Two,Hearts),(Ace,Spades),(Two,Spades)],[(King,Clubs),(Six,Clubs),(Five,Clubs),(Four,Hearts),(Three,Clubs),(Ace,Hearts)],[(Three,Hearts),(Eight,Clubs),(Ace,Diamonds),(Jack,Diamonds),(Nine,Hearts),(Five,Hearts)],[(Four,Spades),(Five,Spades),(Two,Diamonds),(Ace,Clubs),(Jack,Hearts),(Seven,Hearts),(King,Spades)],[(Two,Hearts),(Ten,Clubs),(Ten,Spades),(Nine,Spades),(Queen,Spades),(Eight,Spades),(Two,Clubs)],[(Eight,Diamonds),(Six,Spades),(Four,Clubs),(Three,Diamonds),(Eight,Hearts),(Three,Spades)],[(Jack,Spades),(Queen,Hearts),(King,Diamonds),(Six,Diamonds),(Six,Hearts),(Jack,Clubs)],[(Seven,Spades),(Ten,Diamonds),(Four,Diamonds),(Seven,Diamonds),(Ten,Hearts)],[(Nine,Diamonds),(Five,Diamonds),(Queen,Clubs),(Seven,Clubs)]
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Results:

Number of wins - [3,1,3,2,1,2,3,6,3,6]

Mean - 3

Standard Deviation - 1.67332

Scores - [6.69,5.78,7.08,5.72,5.93,5.44,6.41,7.55,6.5,9.02]

Mean - 6.6

Standard Deviation - 1.1135528

(These scores are rounded to the nearest whole number so meanStats could be used)

Design:

