Betting Example

Game selected to bet on: 2022 Week 18 Seahawks vs Rams

Available Bets

No existing bets for this game.

Pending Bets

No existing pending bets for this game.

Escrow

Bettor 1 = $0

Bettor 2 = $0

Bettor 3 = $0

Account Balance

Bettor 1 = $20

Bettor 2 = $20

Bettor 3 = $10

Bettor1 creates a $20 bet for the Seahawks to beat the Rams at 2.0 decimal odds (payout $40, $20 profit) called bet1.

Available Bets

Bet1: Rams to beat the Seahawks at 2.0 decimal odds (payout $40, $20 profit, $20 max bet amount)

Escrow

Bettor 1 = $20

Bettor 2 = $0

Bettor 3 = $0

Account Balance

Bettor 1 = $0

Bettor 2 = $20

Bettor 3 = $10

Bettor2 also thinks the Seahawks will win and creates a $20 bet for the Seahawks to beat the Rams for 3.0 decimal odds ($60 payout) called bet2.

Available Bets

Bet1: Rams to beat the Seahawks at 2.0 decimal odds (even odds, payout $40, $20 profit, $20 max bet)

Bet2: Rams to beat the Seahawks at 1.5 decimal odds (payout $60, $20 profit, $40 max bet)

Escrow

Bettor 1 = $20

Bettor 2 = $20

Bettor 3 = $0

Account Balance

Bettor 1 = $0

Bettor 2 = $0

Bettor 3 = $10

Bettor3 thinks the Rams will win and places a market bet for the Rams to win at $10.

Since Bet1 has higher decimal odds it will be accepted bet1 for $10 and another bet will be created for bettor 1 for $10. Bettor 3 will then not have access to the $10 bet in their user account.

Available Bets

Bet2: Rams to beat the Seahawks at 1.5 decimal odds (payout $60, $20 profit, $40 max bet)

Bet3: Rams to beat the Seahawks at 2.0 decimal odds (payout $20, $10 profit, $10 max bet)

Pending Game Results Bets

Bet1 between bettor 1 and bettor 3.

Escrow

Bettor 1 = $20

Bettor 2 = $20

Bettor 3 = $10

Account Balance

Bettor 1 = $0

Bettor 2 = $0

Bettor 3 = $0

When the game starts any available bets will be canceled and escrow money returned. No more bets can be created once the game starts.

Available Bets

All available bets are canceled and no more new bets can be created.

Pending Game Results Bets

Bet1 between bettor 1 and bettor 3.

Escrow

Bettor 1 = $10

Bettor 2 = $0

Bettor 3 = $10

Account Balance

Bettor 1 = $10

Bettor 2 = $20

Bettor 3 = $0

Game finishes with the Seahawks winning.

Available Bets

None games over

Pending Game Results Bets

None games over

Escrow

Bettor 1 = $0

Bettor 2 = $0

Bettor 3 = $0

Account Balance

Bettor 1 = $10

Bettor 2 = $20

Bettor 3 = $20

Pseudo Code

availableBets = available bets for Ram's to win.

bestBets = availableBets sorted by decimal odds in descending order so the highest decimal odds are first in the list.

acceptedAmount = 0

listIndex = 0

while(acceptedAmount != wagered amount or listIndex >= availableBets list size) {

bet = availableBets[listIndex]

if bet's profit amount > acceptors profit amount {

add bettor to bet.

add bettor's wager amount to escrow and wait for game results for payout.

create a new bet for the remaining profit amount. (creator profit - acceptor profit)

decrease max bet amount to equal the remaining profit amount.

add the bettor's wagered amount to the accepted amount.

break out of the while loop.

}

else (bet's profit amount <= acceptors profit amount) {

add bettor to bet.

add bettors wager amount to escrow and wait for game results for payout.

add the bettor's wagered amount to the accepted amount.

break out of the while loop.

}

listIndex++

}