**Algorithm for Game 8 (Fibonacci Nim Game)**

1. Print Welcome Text
2. Print The Rule of Fibonacci Nim Game To the Players

1.You Cant Take All Coins

2.You Cant Enter Zero or Negative Numbers

3.Enter at least (1) till The Double of Your Opponent Number

1. Asking For Players Names
2. Enter Player 1 Name ( p1 )
3. Enter Player 2 Name ( p2 )
4. Take Number of Coins Form The Users
5. Print Coins Number
6. Set two Inputs as Integers ( x=0 and y=0 )
7. Creat Counter for Turns (t=0)
8. If coins more than 0

Repeat

If t%2=1

Enter (Update) input x from the user (p1)

End if

1. At (x less than or equal coins and coins grater than 1) or ( x less than 1) or (x greater than the double of y and t greater than 1 )
2. Enter Input x again from user (p1)
3. Subtract x from coins

Print the Reminder of coins

1. Enter (update) input y from the user ( p2)
2. At (y greater than or equal coins and coins greater than 1 ) or (y less than 1) or (y greater than the double of x)
3. Enter input y again from user (p2)
4. Subrtact y from coins

Print the Reminder of coins

1. If coins less than 0

Break

print coin

end if

1. If coins greater than 0

Creat counter for turns (t=t+1)

End if

1. If t%2=1

Print player1 is the winner

Else

Print player 2 is the winner

End if

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