Assembly Fibonacci Flowchart

main

Promt_User

the user didn't enter a number between 0-24 so it goes back to main menu

jal

jr $ra

convert_to_ASCII

checks if $t0(input) is a single/double -digit number

not_Valid

$ t1 -> Fn

Fn = Fn-1 + Fn-2

fib

oneDigit

twoDigits

F0 = 0, F1= 1

recursion

jr $ra

recurse

print

With input -1 the program terminates

Quit

takes $t3 from convert_to_ASCII() and $t1 from fib(), prints the result and goes back to Promt_User