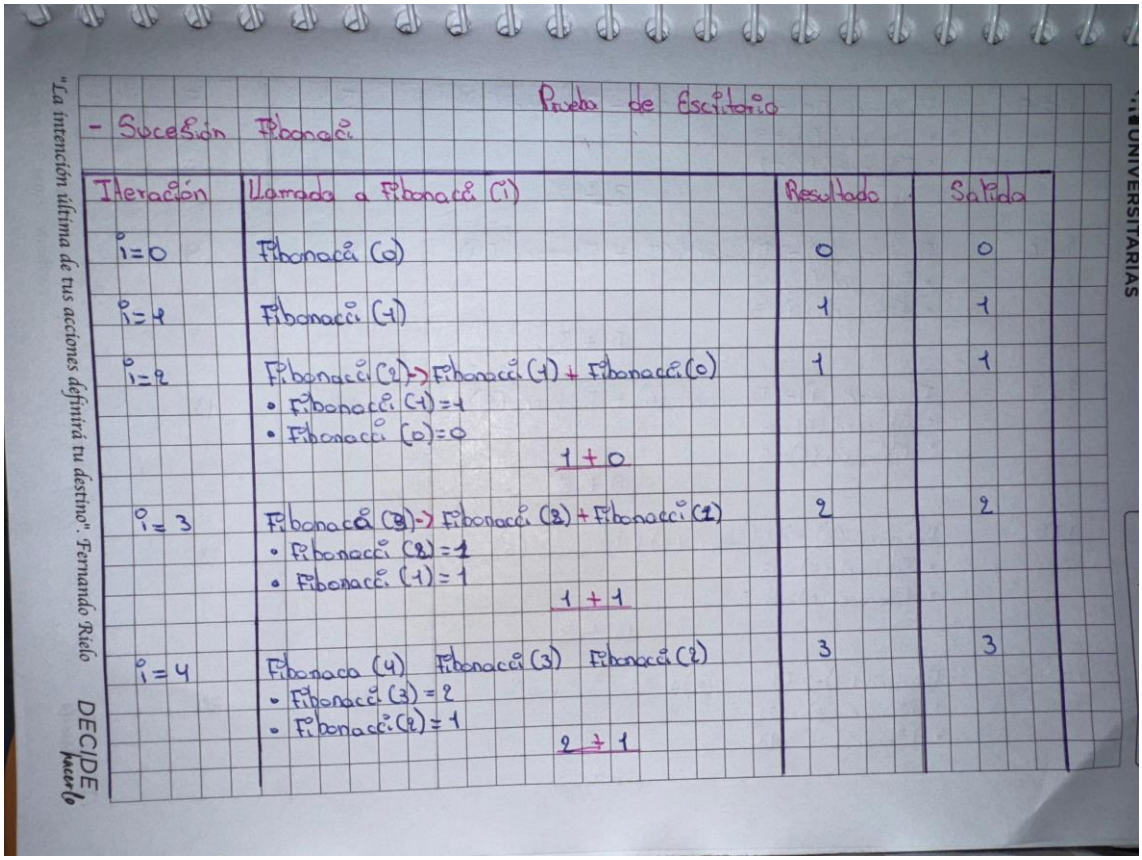
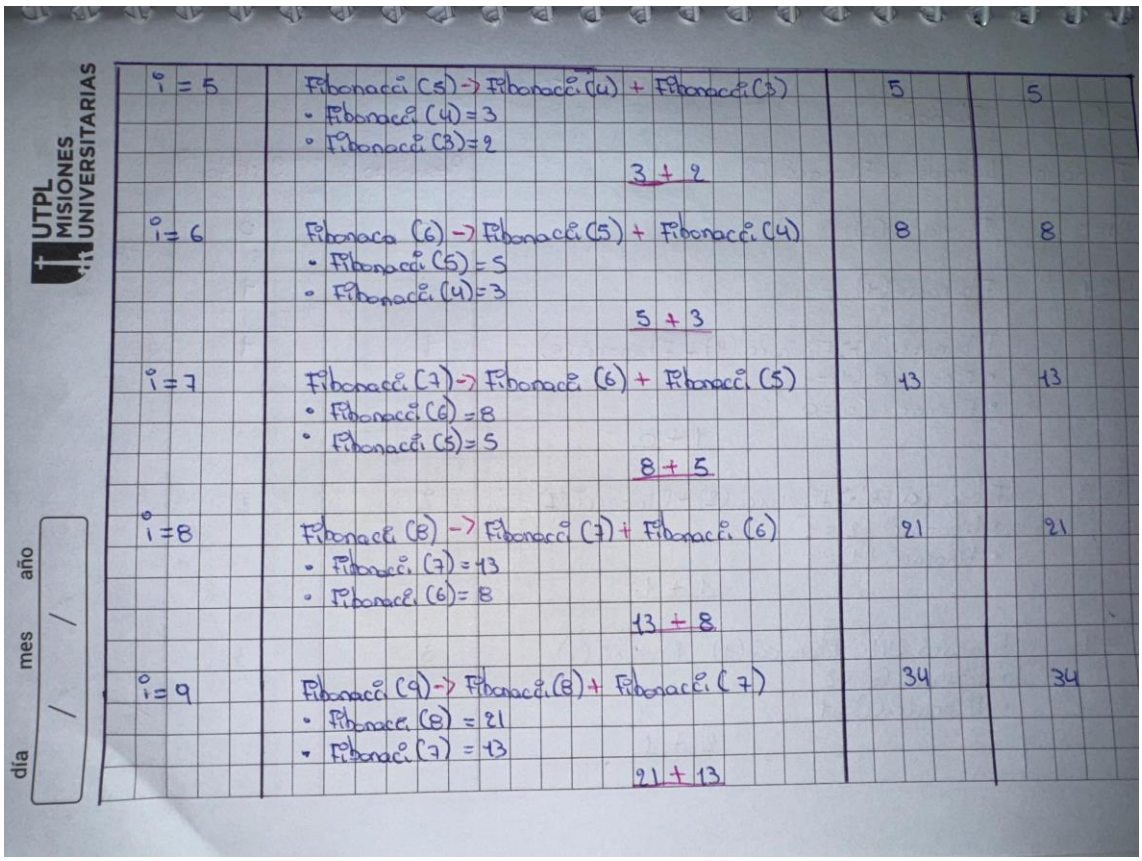


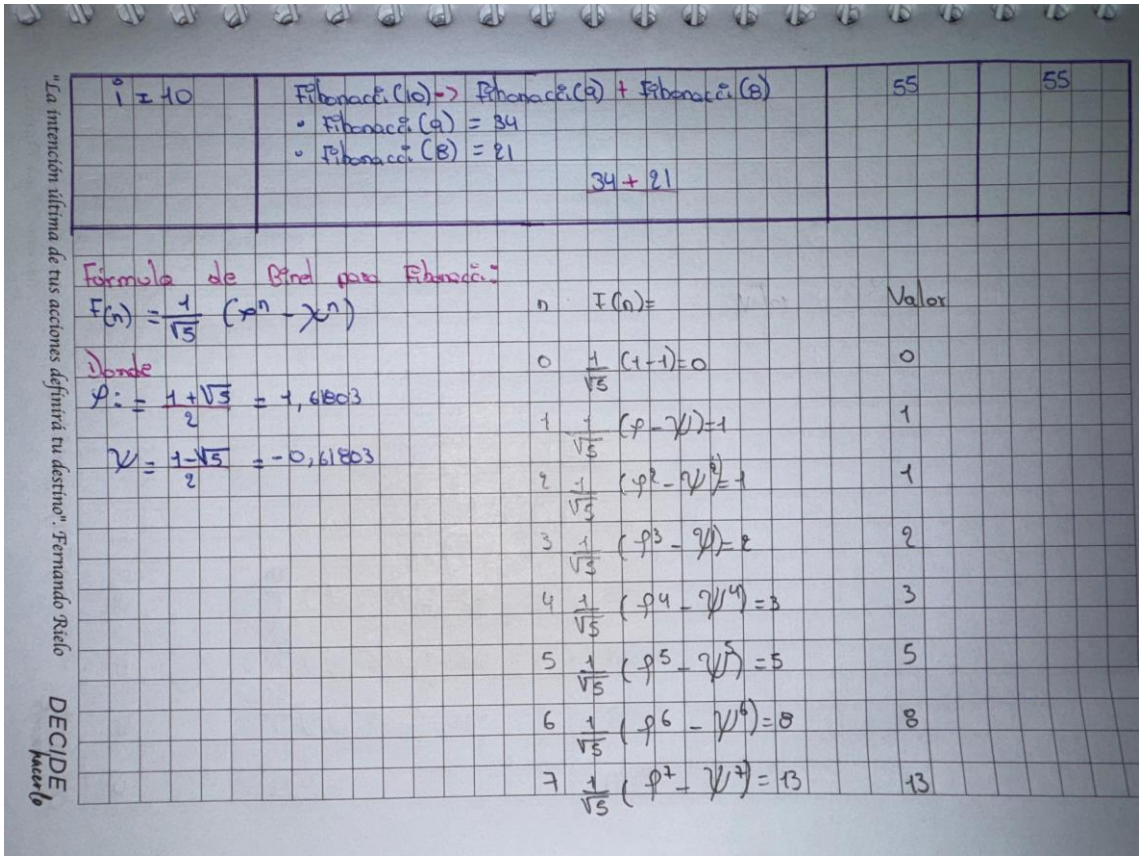
Prueba de Escritorio

- Sucesión Fibonacci

Iteración	Llamada a Fibonacci (i)	Resultado	Salida
i=0	Fibonacci (0)	0	0
i=1	Fibonacci (1)	1	1
i=2	Fibonacci (2) -> Fibonacci (1) + Fibonacci (0) • Fibonacci (1) = 1 • Fibonacci (0) = 0 1 + 0	1	1
i=3	Fibonacci (3) -> Fibonacci (2) + Fibonacci (1) • Fibonacci (2) = 1 • Fibonacci (1) = 1 1 + 1	2	2
i=4	Fibonacci (4) Fibonacci (3) Fibonacci (2) • Fibonacci (3) = 2 • Fibonacci (2) = 1 2 + 1	3	3



i=5	Fibonacci (5) -> Fibonacci (4) + Fibonacci (3) • Fibonacci (4) = 3 • Fibonacci (3) = 2 3 + 2	5	5
i=6	Fibonacci (6) -> Fibonacci (5) + Fibonacci (4) • Fibonacci (5) = 5 • Fibonacci (4) = 3 5 + 3	8	8
i=7	Fibonacci (7) -> Fibonacci (6) + Fibonacci (5) • Fibonacci (6) = 8 • Fibonacci (5) = 5 8 + 5	13	13
i=8	Fibonacci (8) -> Fibonacci (7) + Fibonacci (6) • Fibonacci (7) = 13 • Fibonacci (6) = 8 13 + 8	21	21
i=9	Fibonacci (9) -> Fibonacci (8) + Fibonacci (7) • Fibonacci (8) = 21 • Fibonacci (7) = 13 21 + 13	34	34



i = 10	Fibonacci(10) -> Fibonacci(9) + Fibonacci(8) • Fibonacci(9) = 34 • Fibonacci(8) = 21 34 + 21	55	55

Fórmula de Binet para Fibonacci:

$F(n) = \frac{1}{\sqrt{5}}(\varphi^n - \psi^n)$

Donde

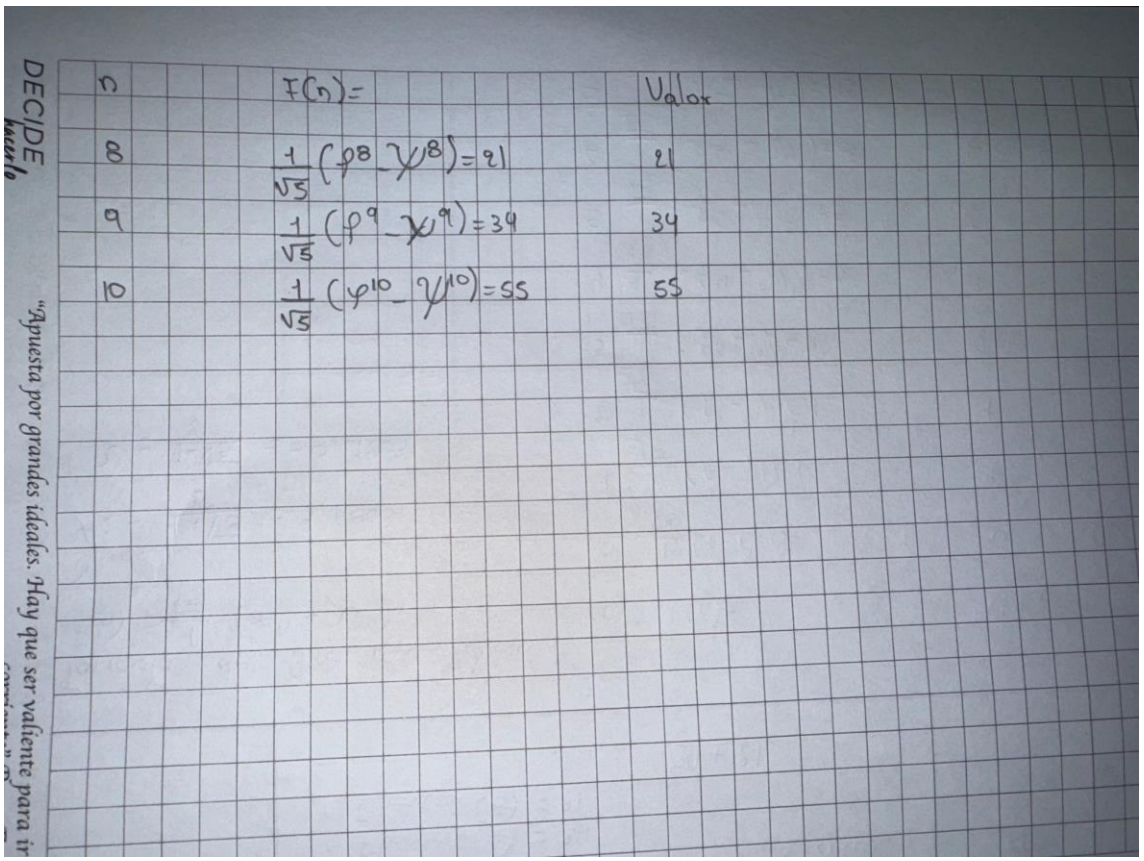
$\varphi = \frac{1+\sqrt{5}}{2} = 1,61803$

$\psi = \frac{1-\sqrt{5}}{2} = -0,61803$

n	F(n)=	Valor
0	$\frac{1}{\sqrt{5}}(1-1)=0$	0
1	$\frac{1}{\sqrt{5}}(\varphi-\psi)=1$	1
2	$\frac{1}{\sqrt{5}}(\varphi^2-\psi^2)=1$	1
3	$\frac{1}{\sqrt{5}}(\varphi^3-\psi^3)=2$	2
4	$\frac{1}{\sqrt{5}}(\varphi^4-\psi^4)=3$	3
5	$\frac{1}{\sqrt{5}}(\varphi^5-\psi^5)=5$	5
6	$\frac{1}{\sqrt{5}}(\varphi^6-\psi^6)=8$	8
7	$\frac{1}{\sqrt{5}}(\varphi^7-\psi^7)=13$	13

"La intención última de tus acciones definirá tu destino". Fernando Rielo

DECIDE hacerlo



n	F(n)=	Valor
8	$\frac{1}{\sqrt{5}}(\varphi^8-\psi^8)=21$	21
9	$\frac{1}{\sqrt{5}}(\varphi^9-\psi^9)=34$	34
10	$\frac{1}{\sqrt{5}}(\varphi^{10}-\psi^{10})=55$	55

DECIDE hacerlo

"Apuesta por grandes ideales. Hay que ser valiente para ir