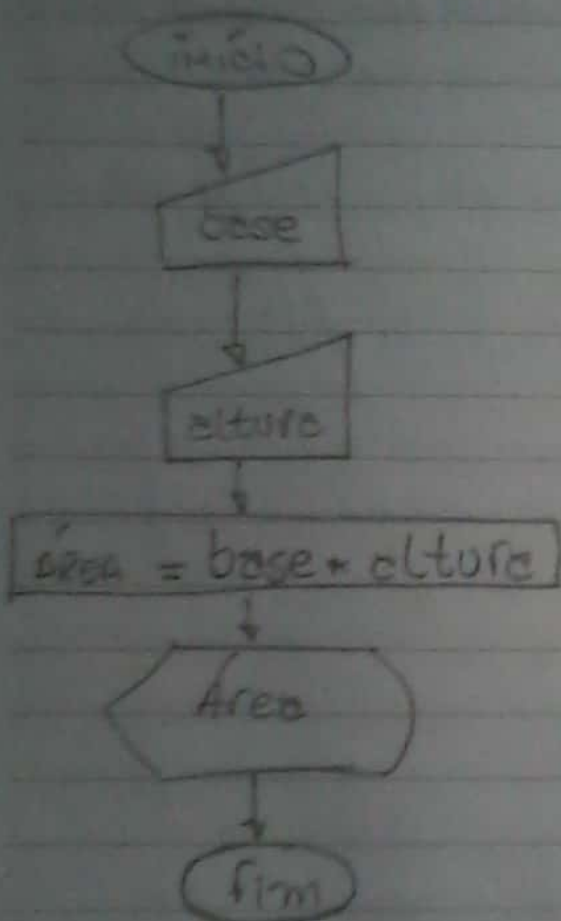


DATA: 09/08/2021

09/08/2021

1. ENTRAR VIA TECLADO COM A BASE E ALTURA DE UM RETÂNGULO, CALCULAR E EXIBIR SUA ÁREA.

Flow



#include <stdio.h>

#include <stdlib.h>

int main ()

Fluxograma Ex.01

ENTRAR VIA TECLADO COM A BASE E A ALTURA DE UM RETÂNGULO, CALCULAR E DIGITAR SUA ÁREA.

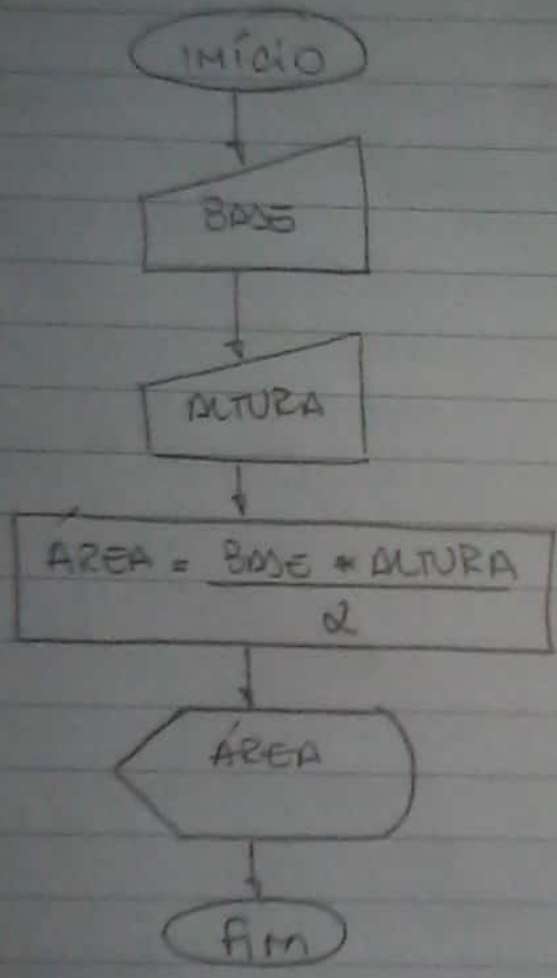


Fluxograma Ex.02



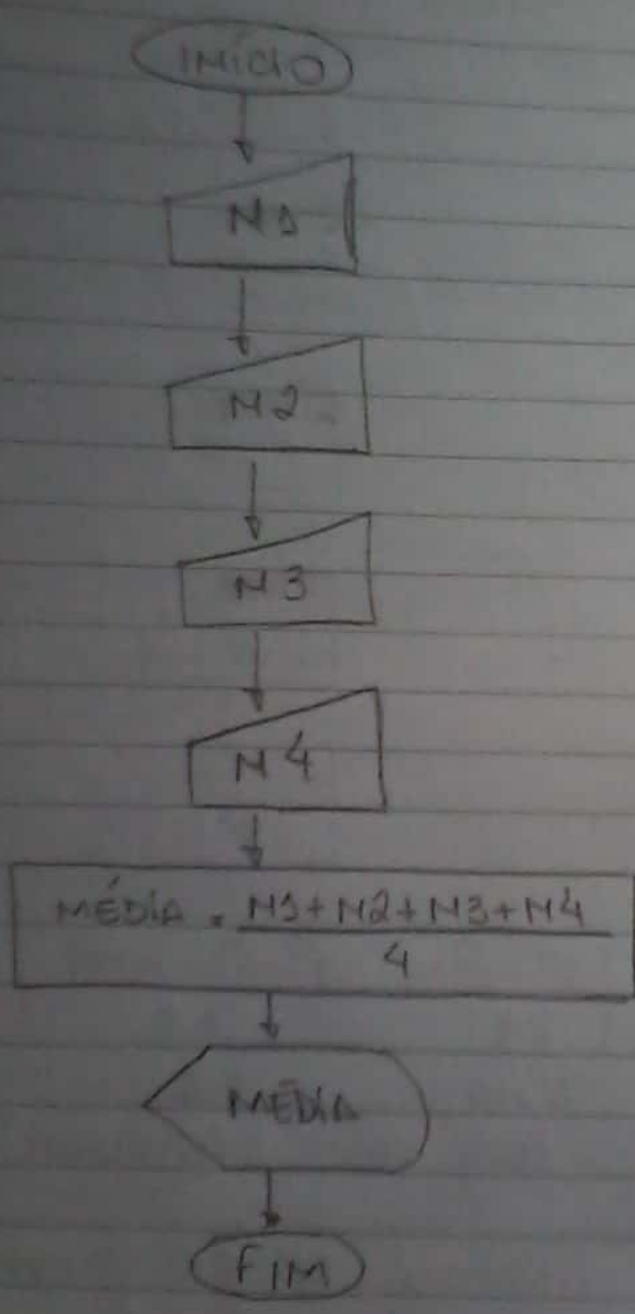
FLUXOGRAMA - 03 /

A PARTIR DOS VALORES DA BASE E ALTURA DE UM TRIÂNGULO, CALCULAR E EXIBIR SUA ÁREA.



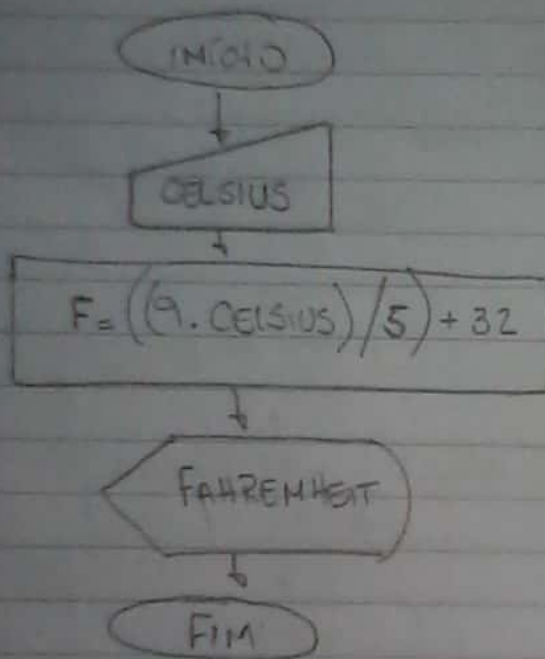
Função: Ex01

Calcular e imprimir a média aritmética de quatro valores quaisquer que sejam digitados

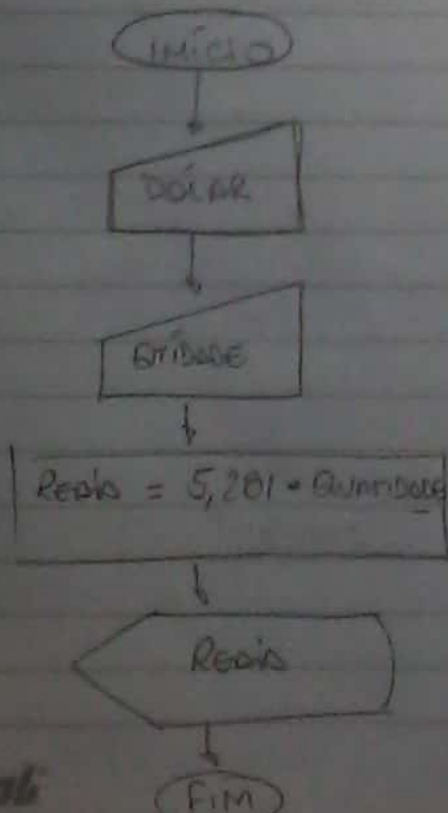


FLUXOGRAMA - EX05

ENTRAR VIA TECLADO COM O VALOR DE UMA TEMPERATURA EM GRAUS CELSIUS, CALCULAR E EXIBIR SUA TEMPERATURA EQUIVALENTE EM FAHRENHEIT.



FLUXOGRAMA - EX06

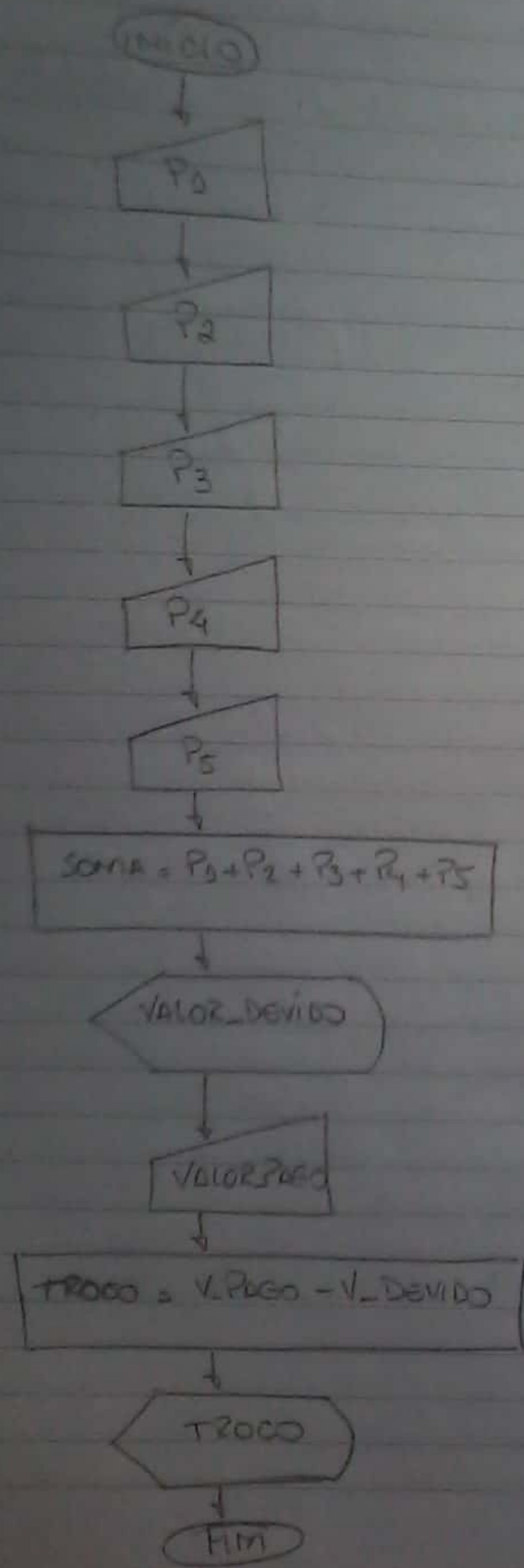


R\$
5,201
Reais

D\$
3
"X Dollars"

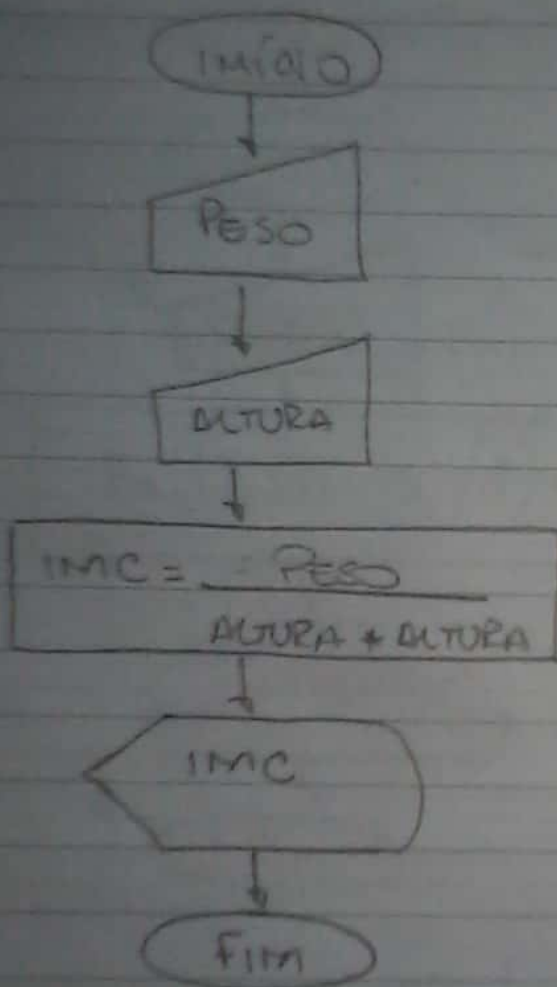
$$\text{Reais} = 5,201 * \text{"X Dollars"}$$

Fluxograma - ex07



Função para IMC

$$IMC = \text{PESO} / (\text{ALTURA})^2$$

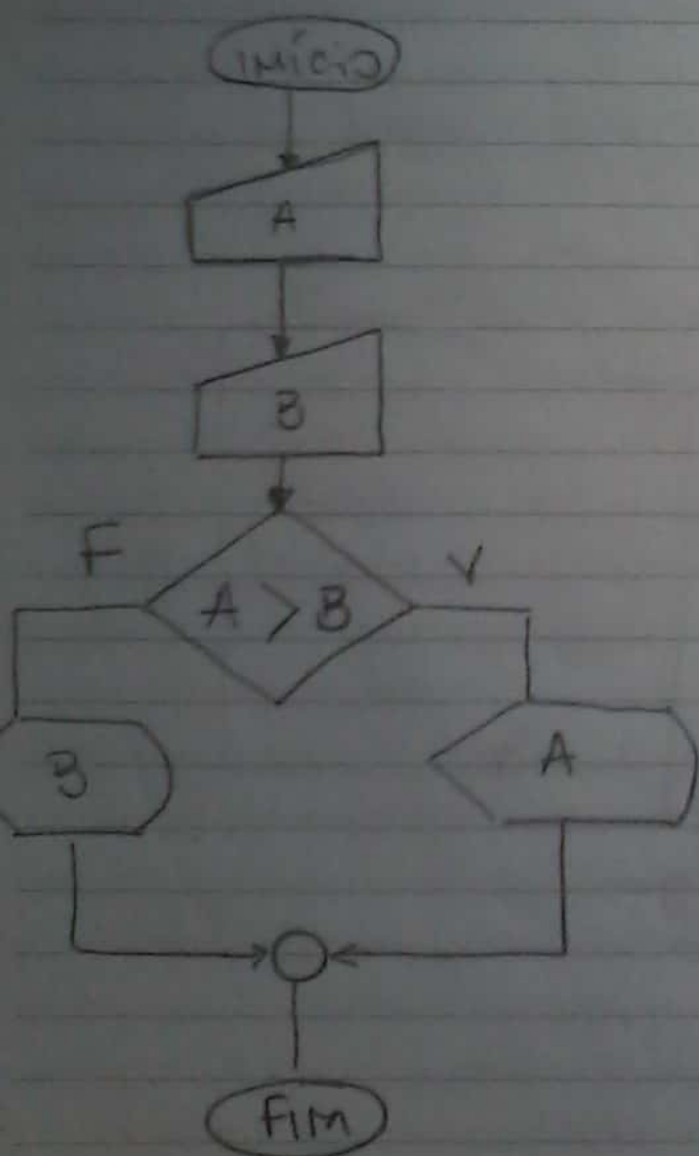


Programação - Estrutura de Decisão

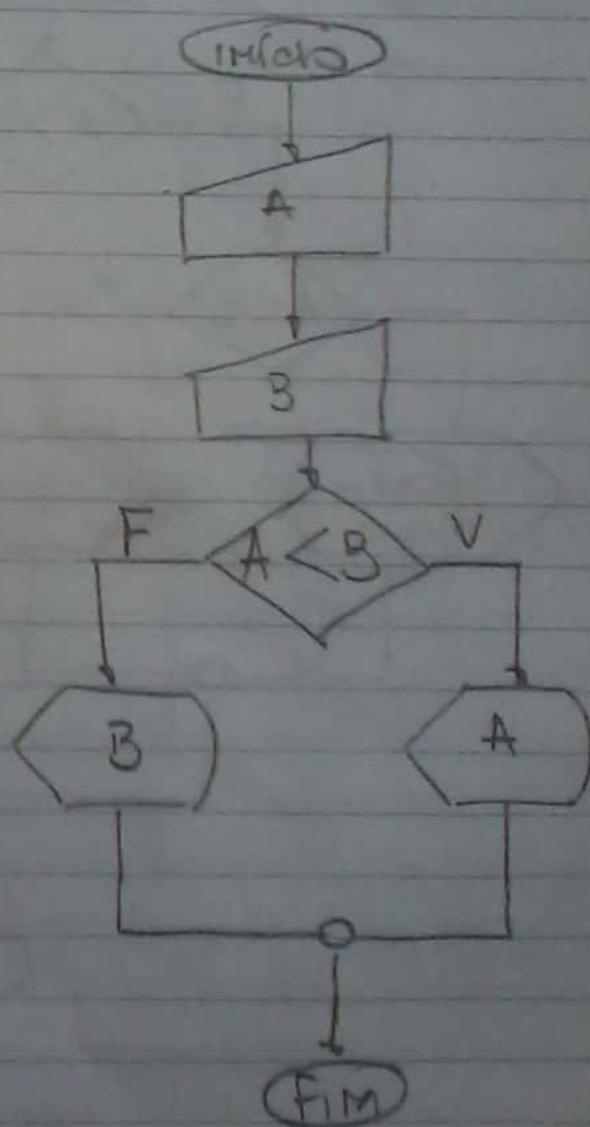
23/08/2023

Junto com o fluxograma podemos fazer o teste de mesa. Isso consiste em colocar todos as variáveis do programa numa tabela e fazer o passo a passo do programa.

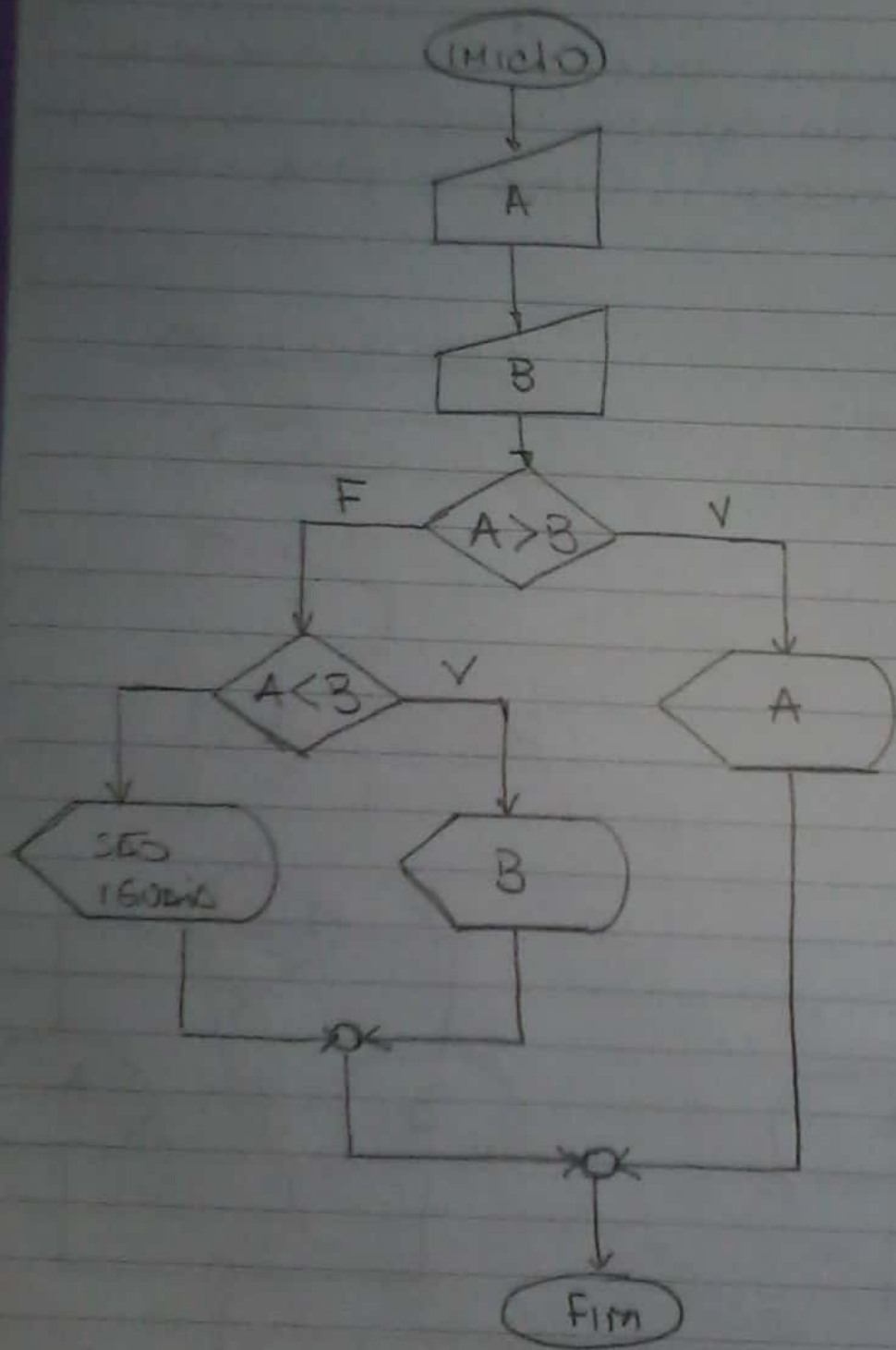
Exercício 9



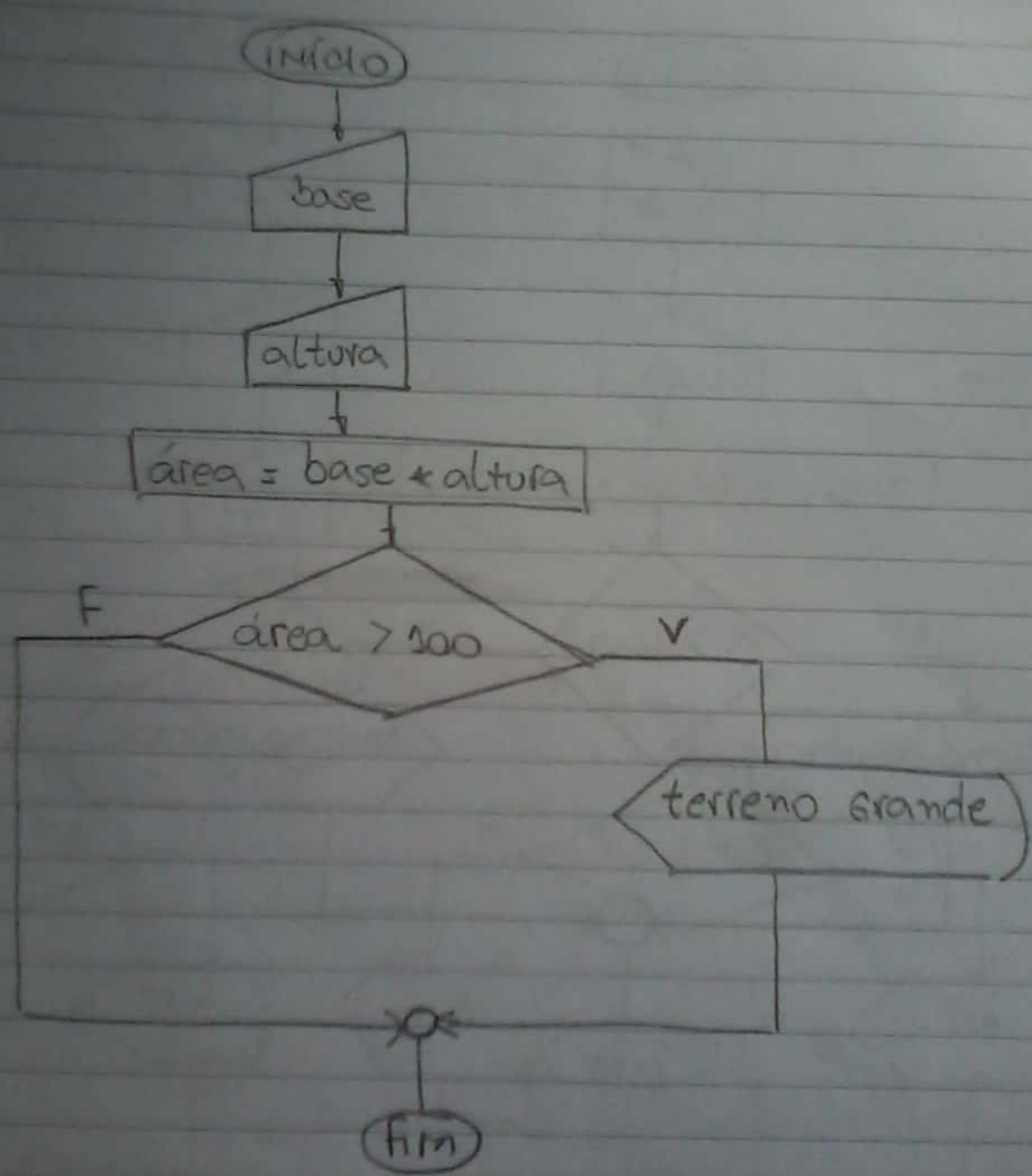
Exercício 10

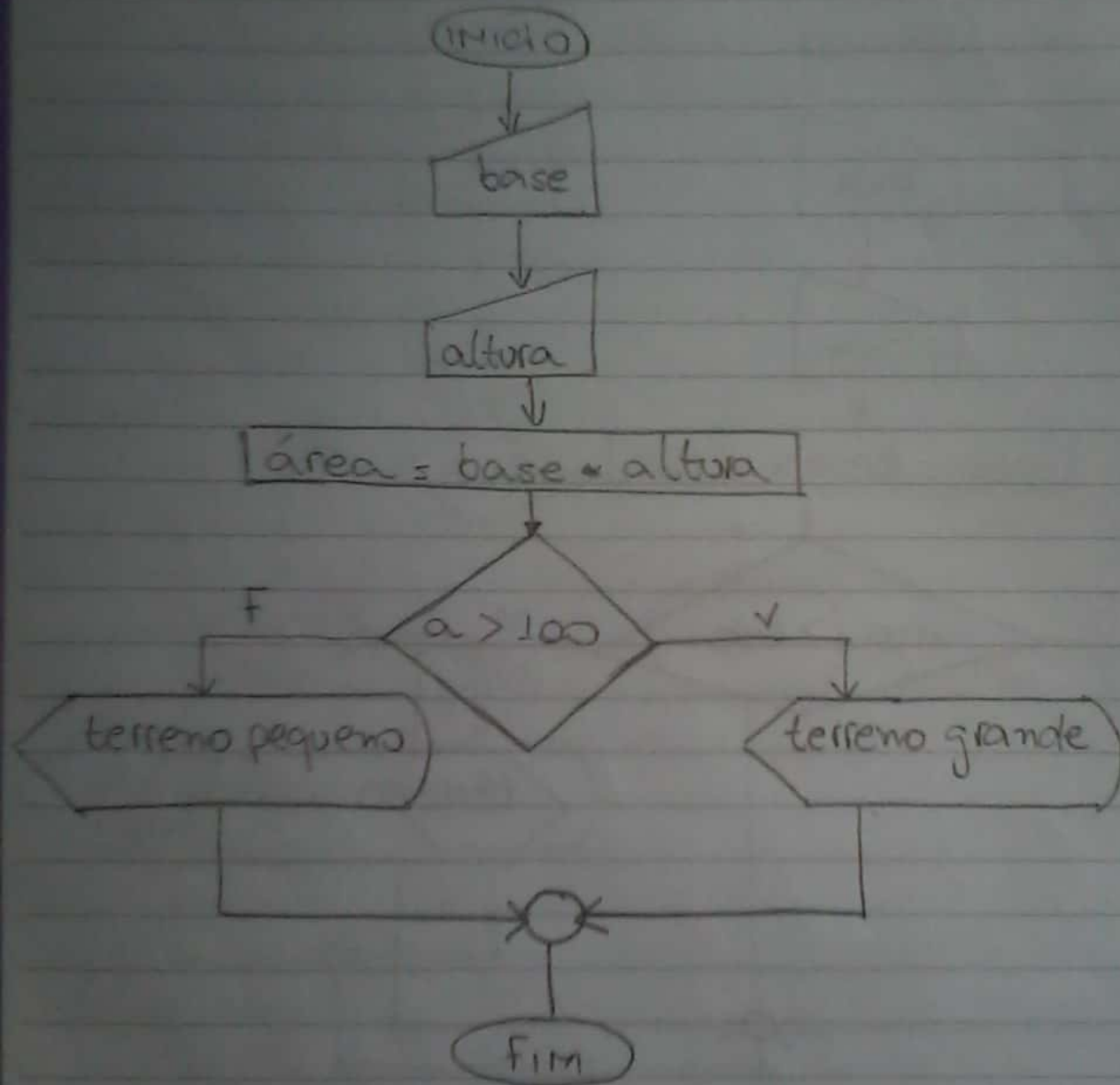


Ejercicio 10

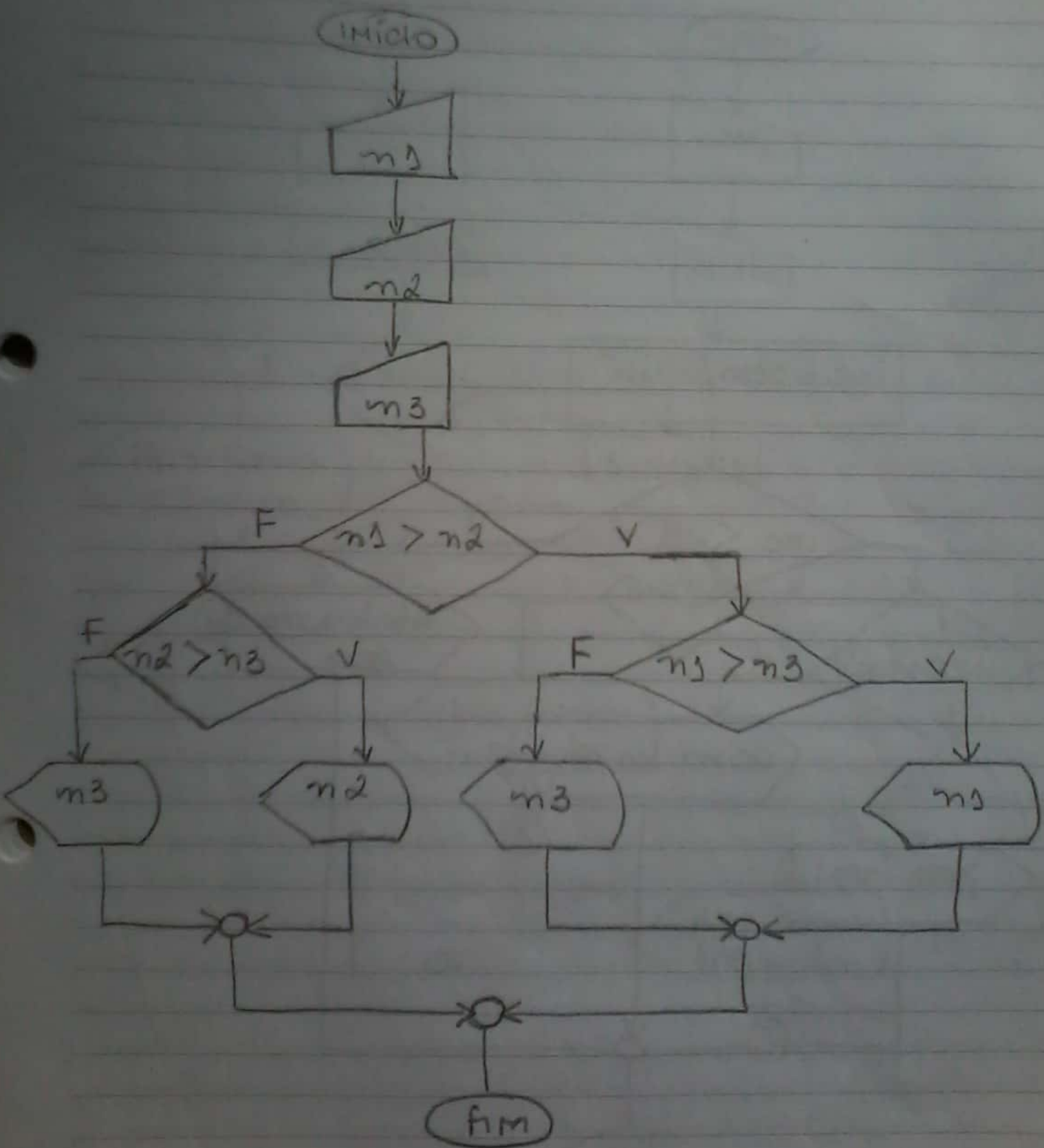


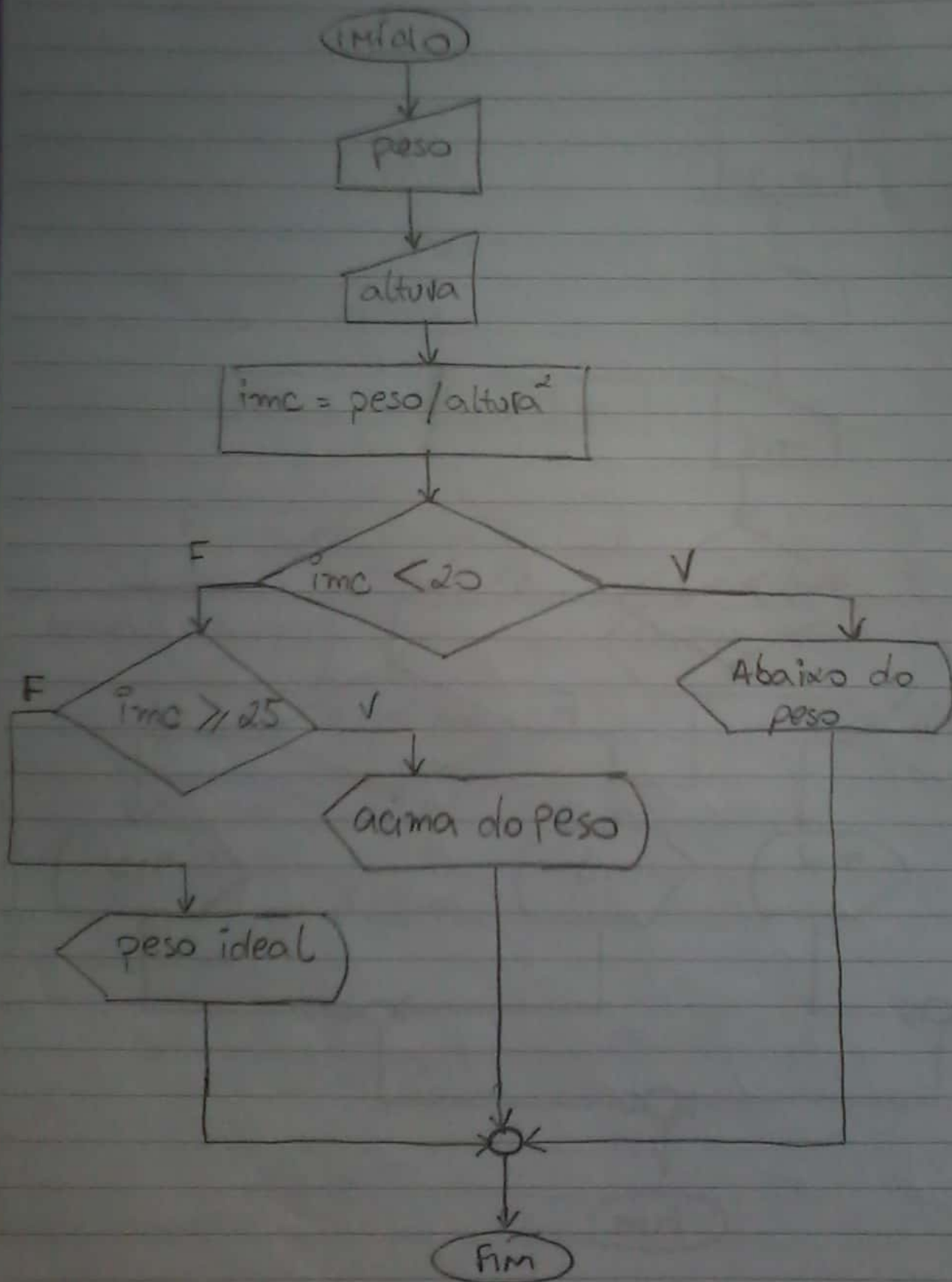
Exercício 12



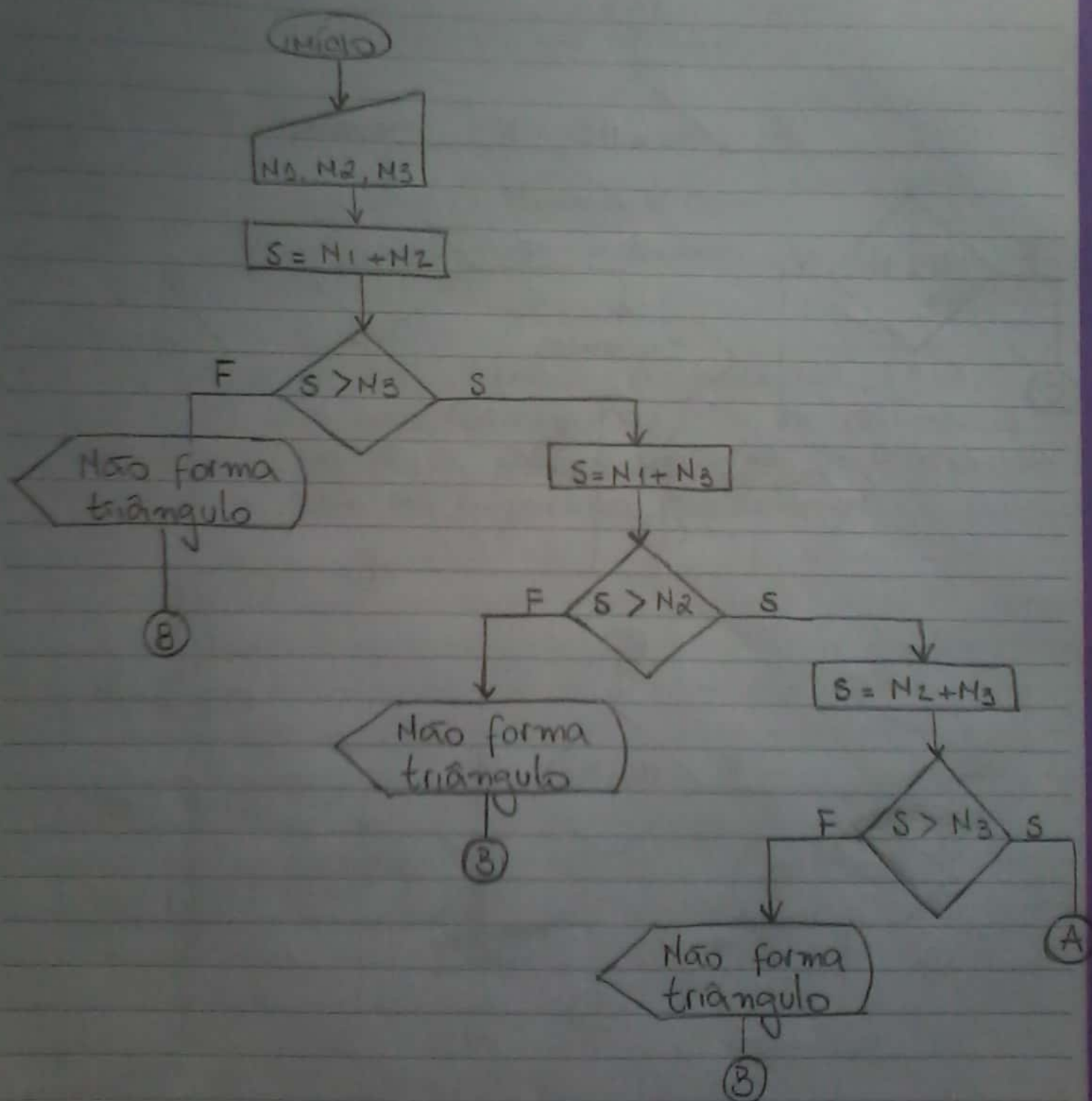
EXERCÍCIO 13

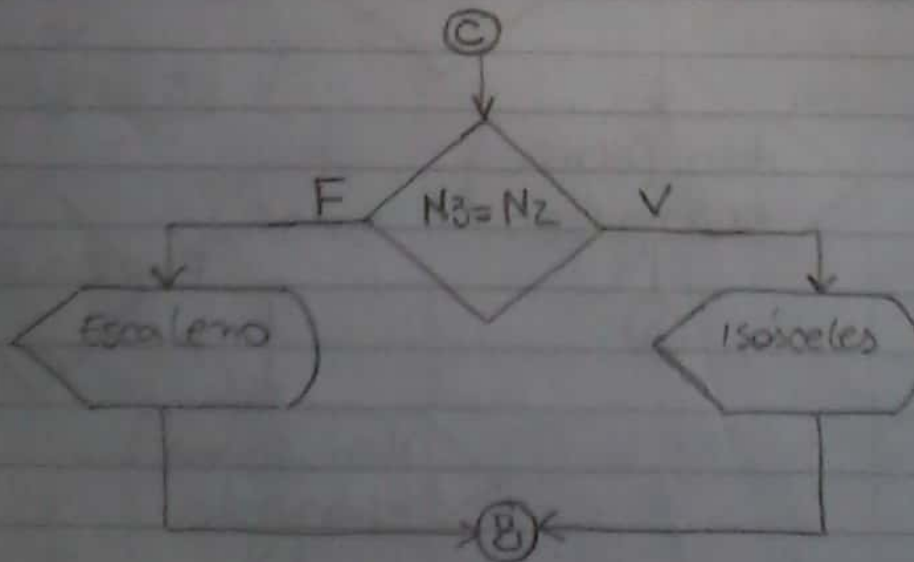
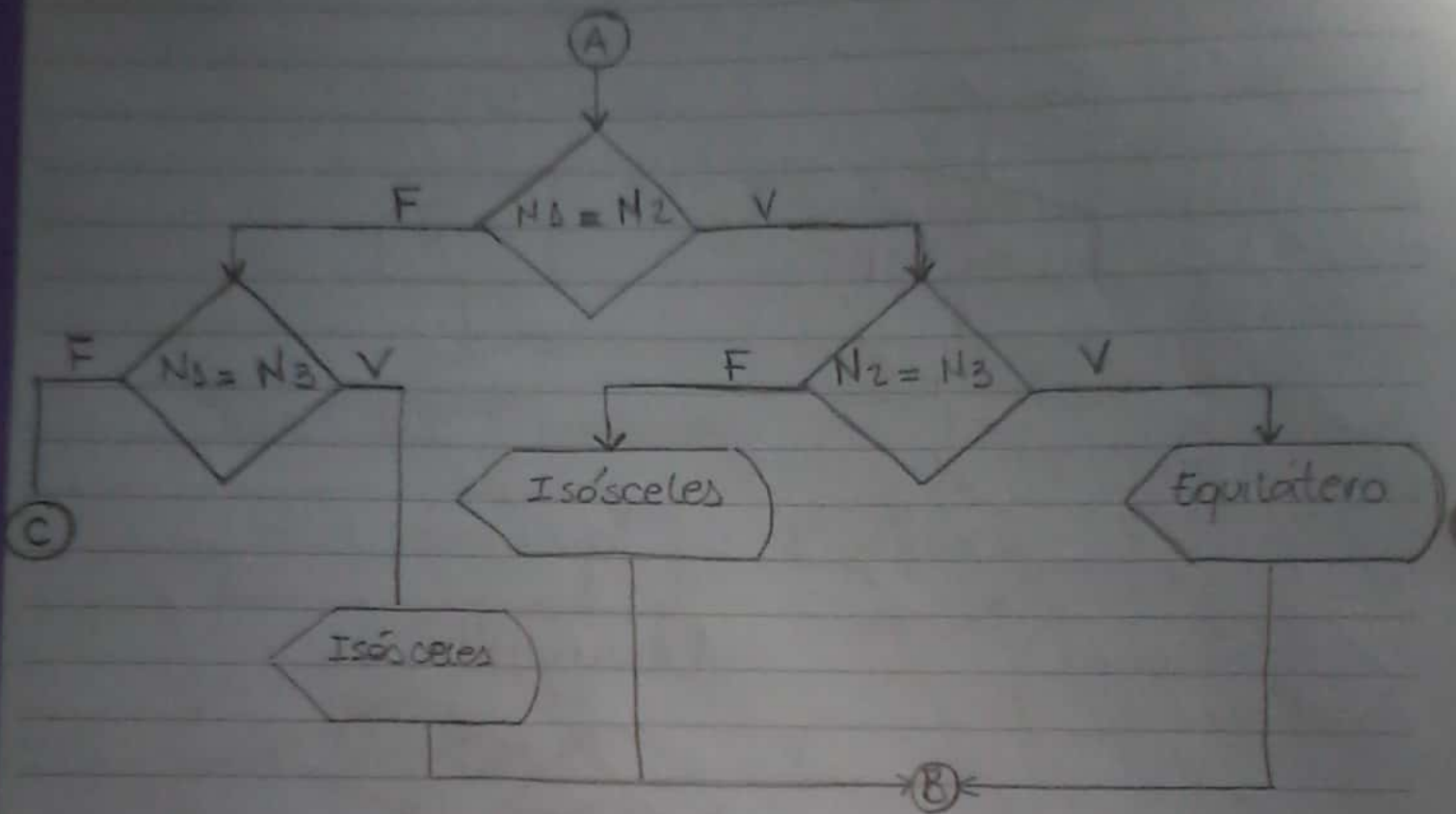
Exercício 346



Exercício 16

Exercício 16





Aluno - ESTRUTURA DE DECISÃO - PARTE 02 30/08/23

SITE PARA COMPARTILHAR CÓDIGOS

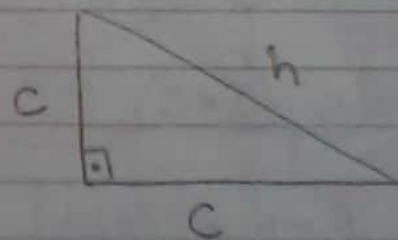
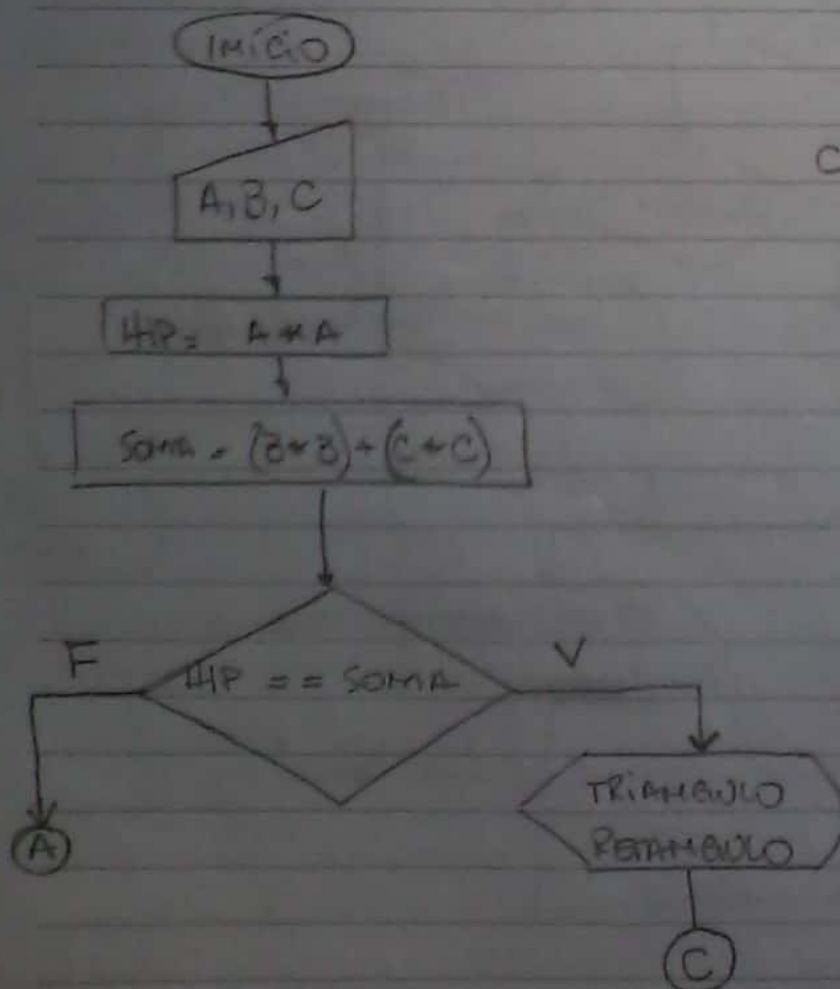
GITHUB.COM

EMAIL: FAC-ENG@HOTMAIL.COM

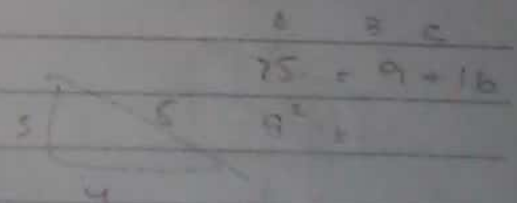
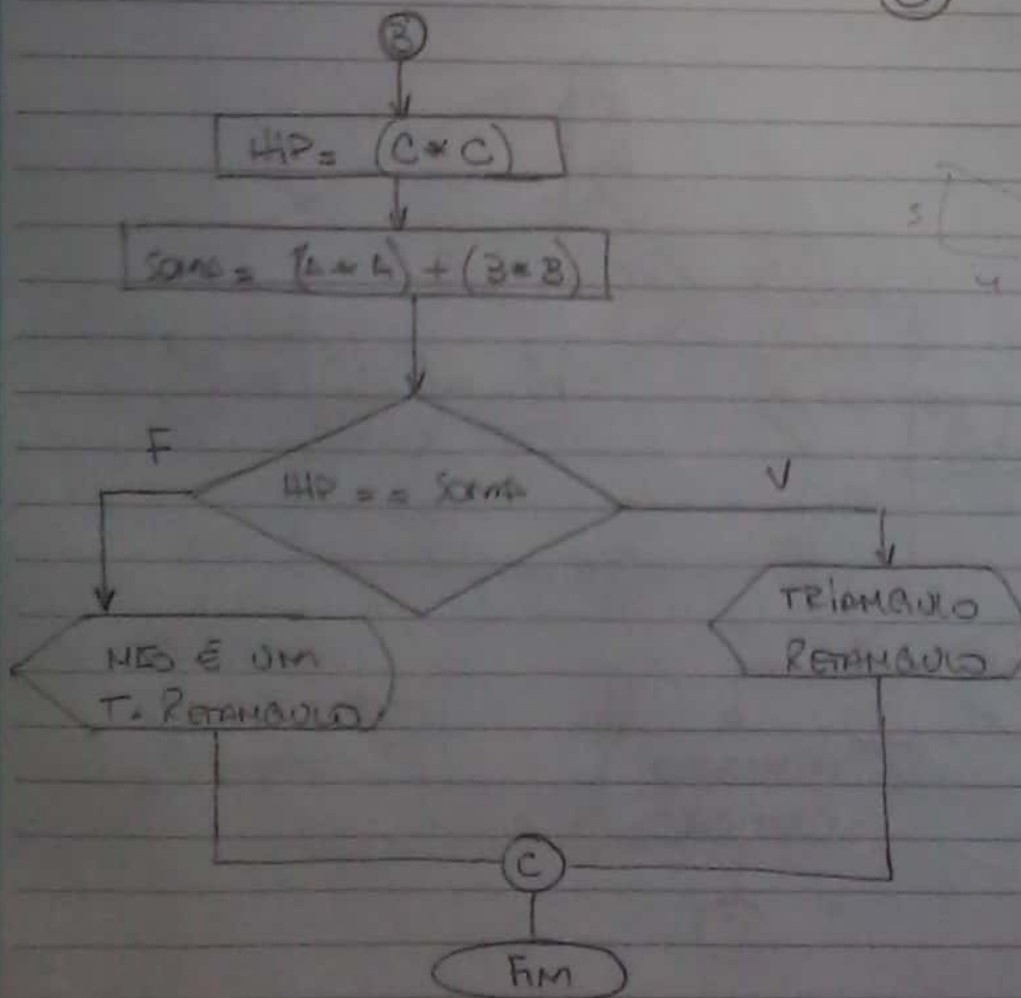
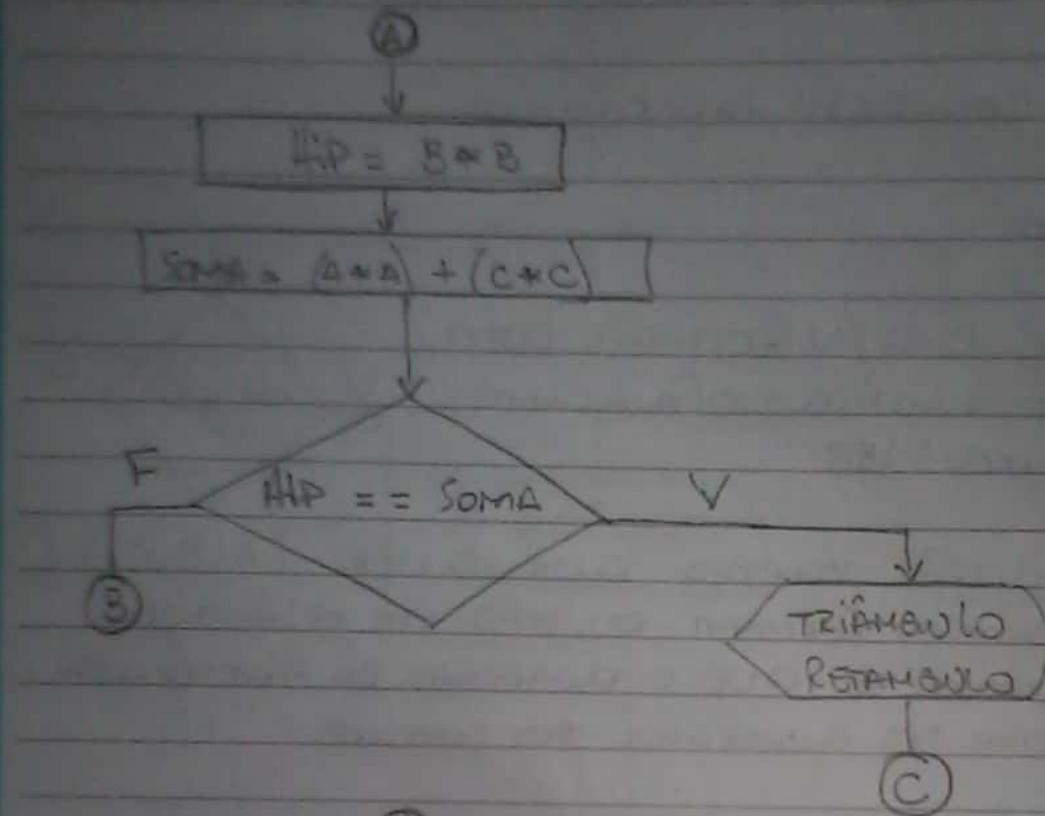
USER NAME: FLAVIO AUGUSTO CAVALCANTI

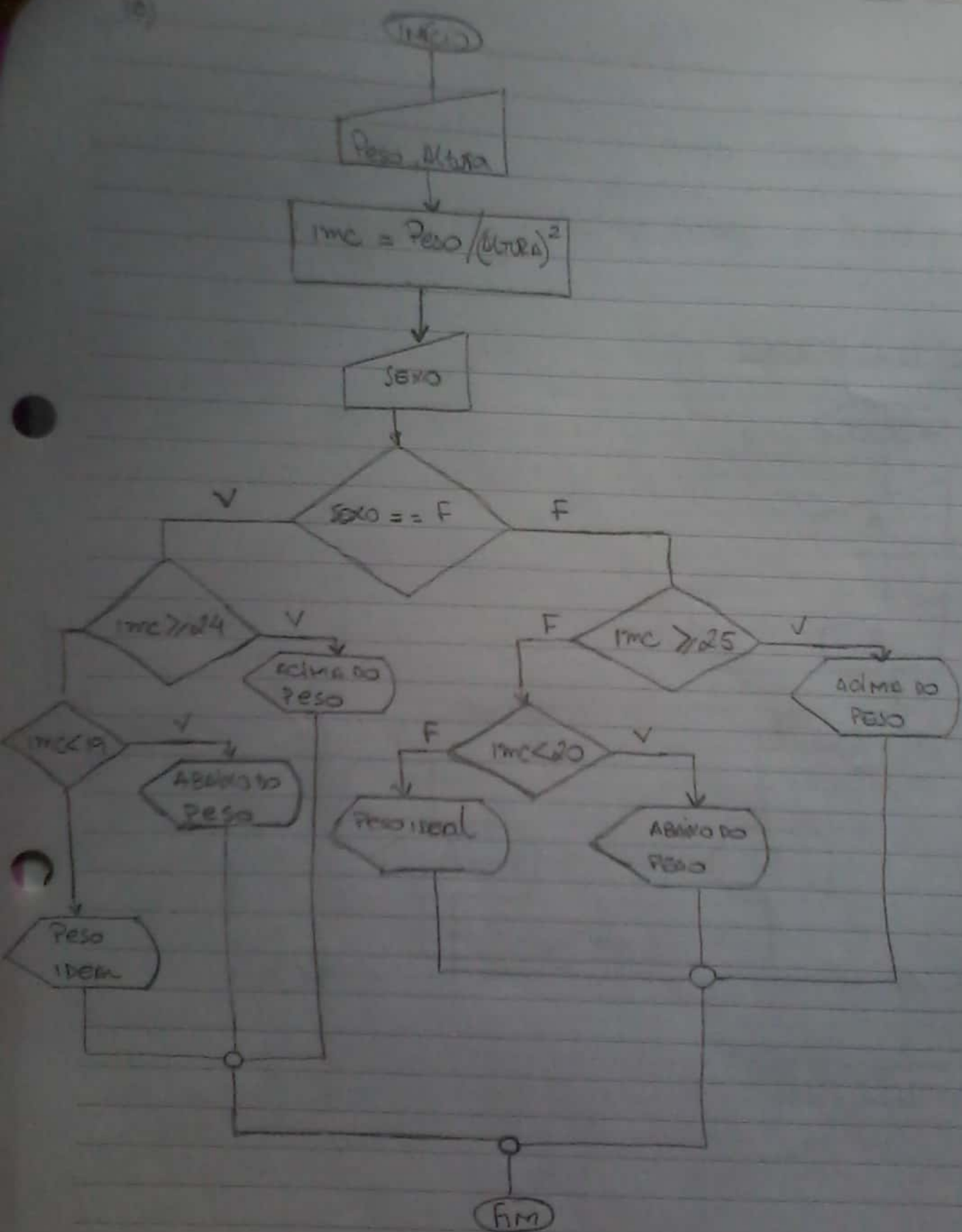
SENHA: FLAVIO@1985

1. VERIFICAR SE TRÊS VALORES quaisquer (A, B, C) QUE SERÃO DIGITADOS FORMAM OU NÃO UM TRIÂNGULO RETÂNGULO. LEMBRE-SE QUE O QUADRADO DA HIPOTENUSA É IGUAL A SOMA DOS QUADRADOS DOS CATETOS.

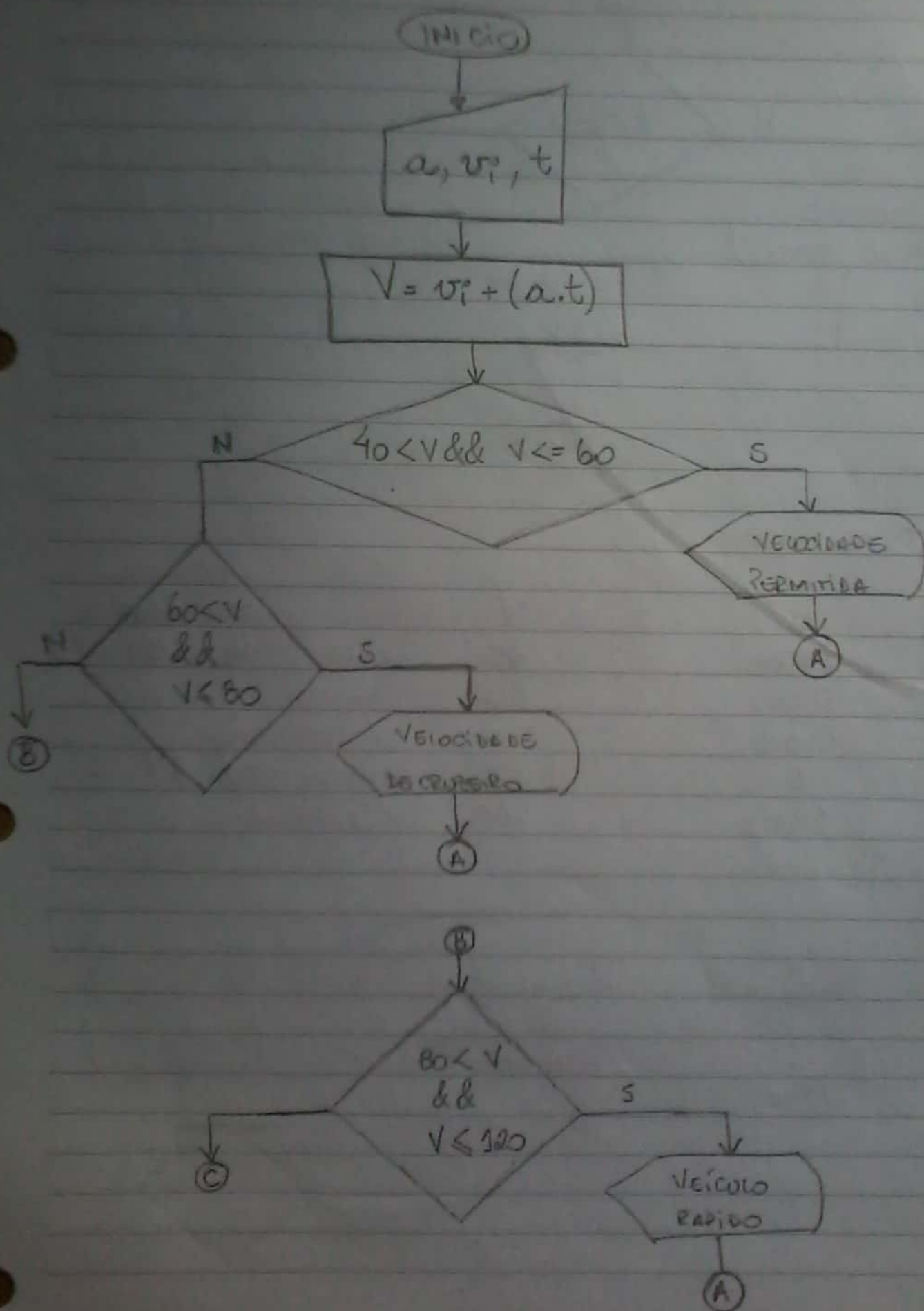


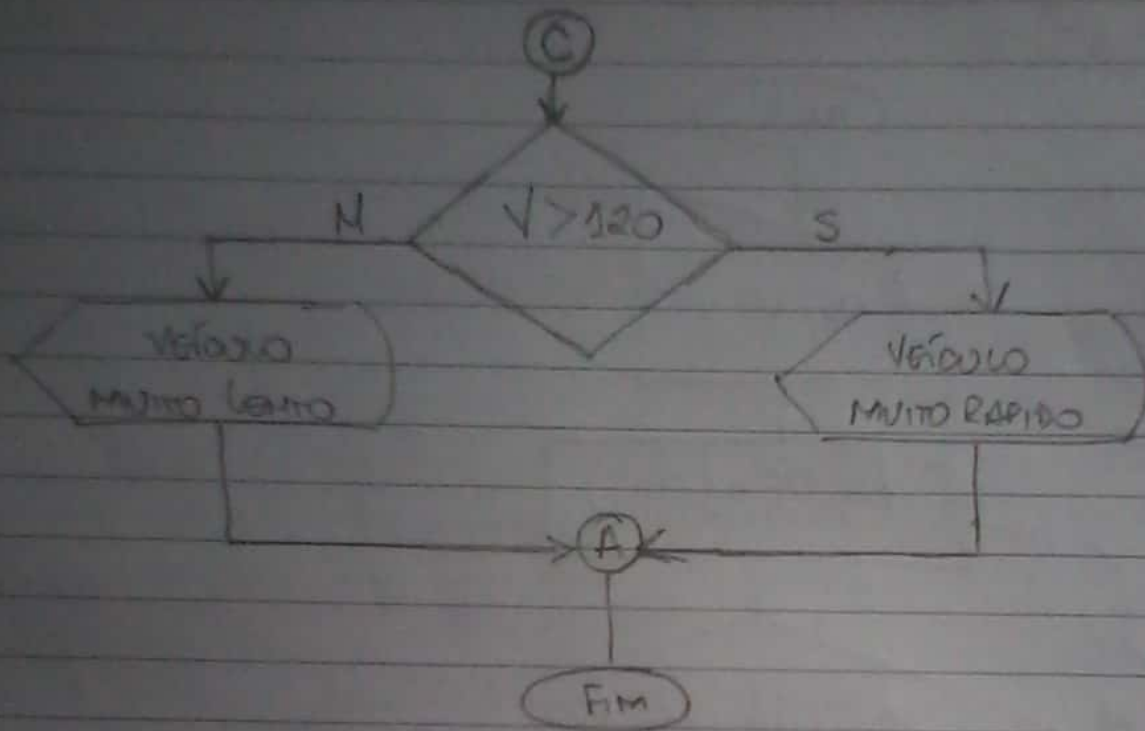
$$h^2 = C^2 + C^2$$





Questão 19 - Fluxograma



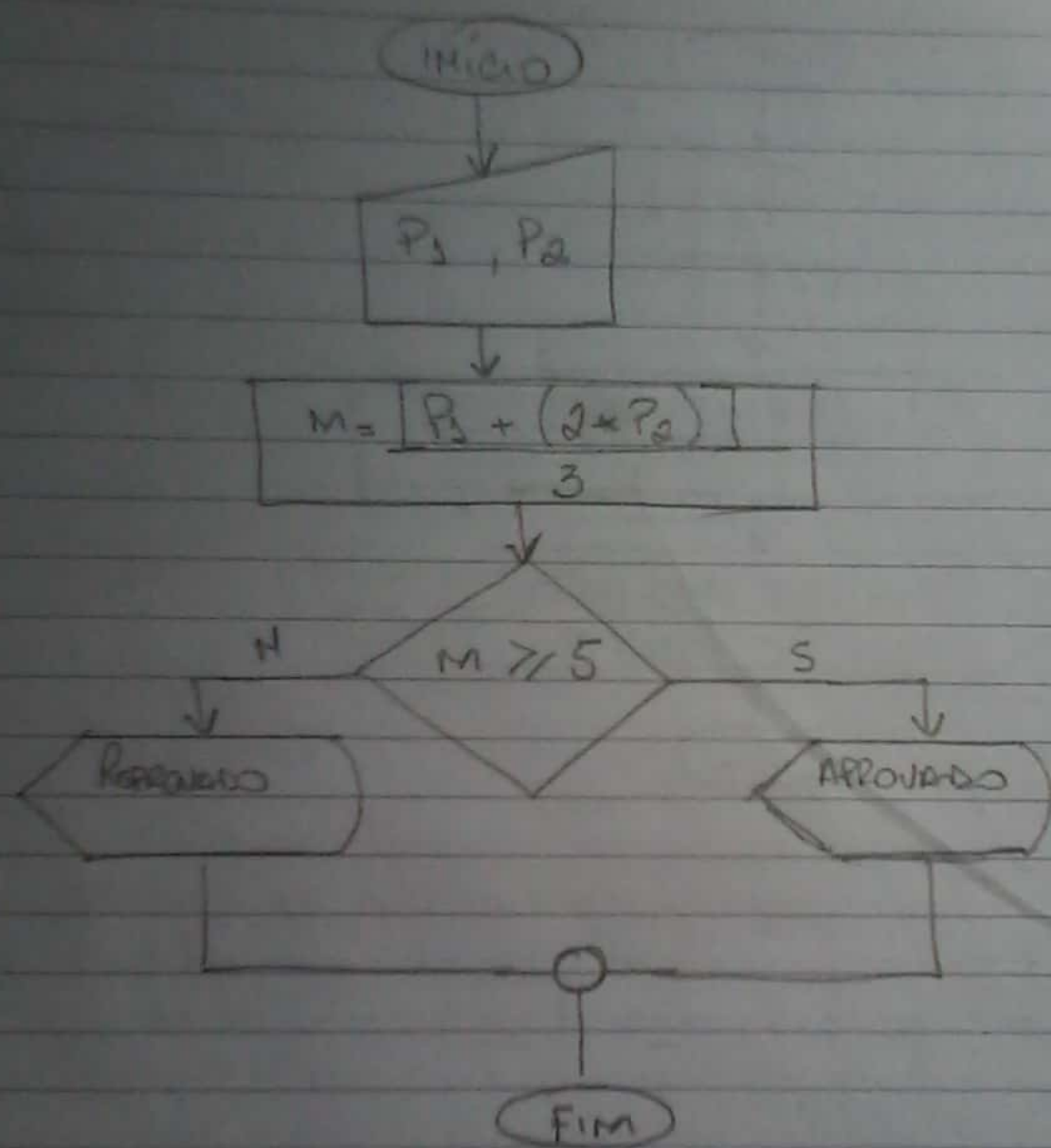


TESTE MESA

v_0	a	t	v		Anotação
30	0,166	60	40	LENTO	$t = 60s$
"	0,333	"	50	PERMEDIADO	$v_0 = 30 m/s$
"	0,666	"	70	PRÓPRIO	
"	1	"	90	RÁPIDO	$a = \frac{(v - v_0)}{t}$
"	3,667	"	130	M. RÁPIDO	

Exercício de

Fluxograma



TESTE DE MESA

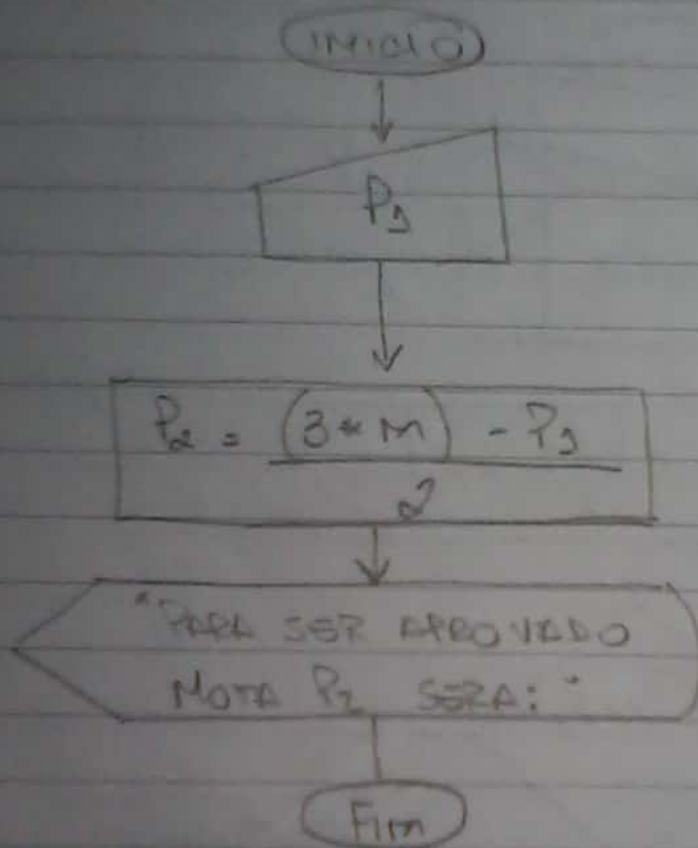
$$M = \frac{P_1 + 2 \cdot P_2}{3}$$

P_1	P_2	M	
5	5	5	(APROVADO)
5	2	3	(REPROVADO)

$$P_2 = \frac{(3 \cdot M) - P_1}{2}$$

Exercício 23

Furacalana



Atividade 05 - Estrutura de Repetição (Loop)

Estrutura de Repetição : WHILE (enquanto)

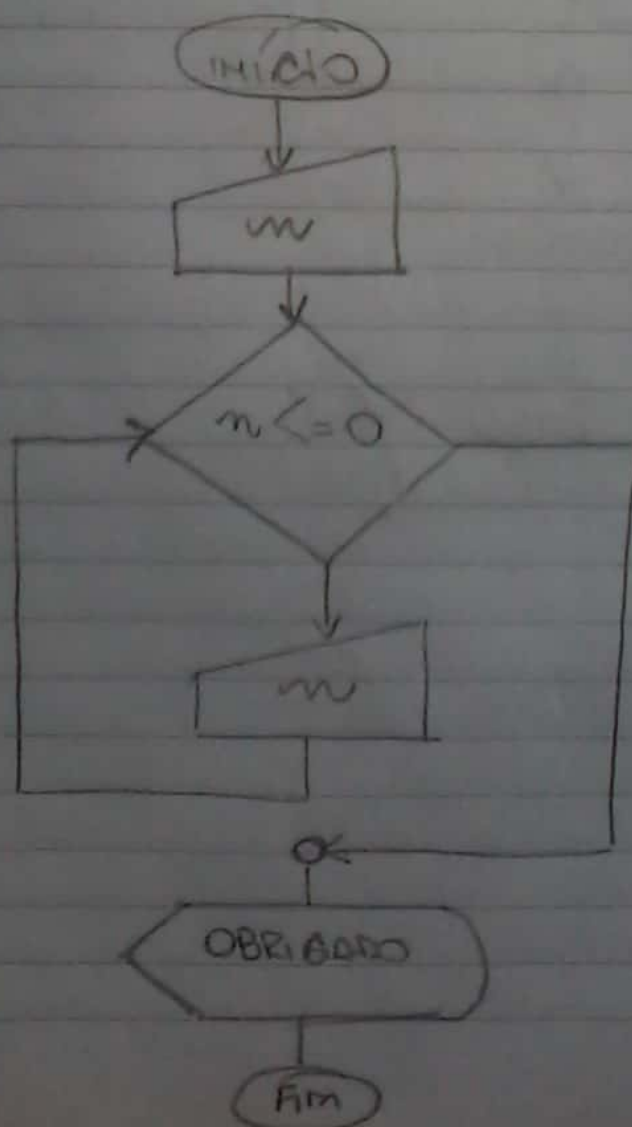
FOR → Quando temos início e fim definidos

WHILE → Pode ser usado para variar valores

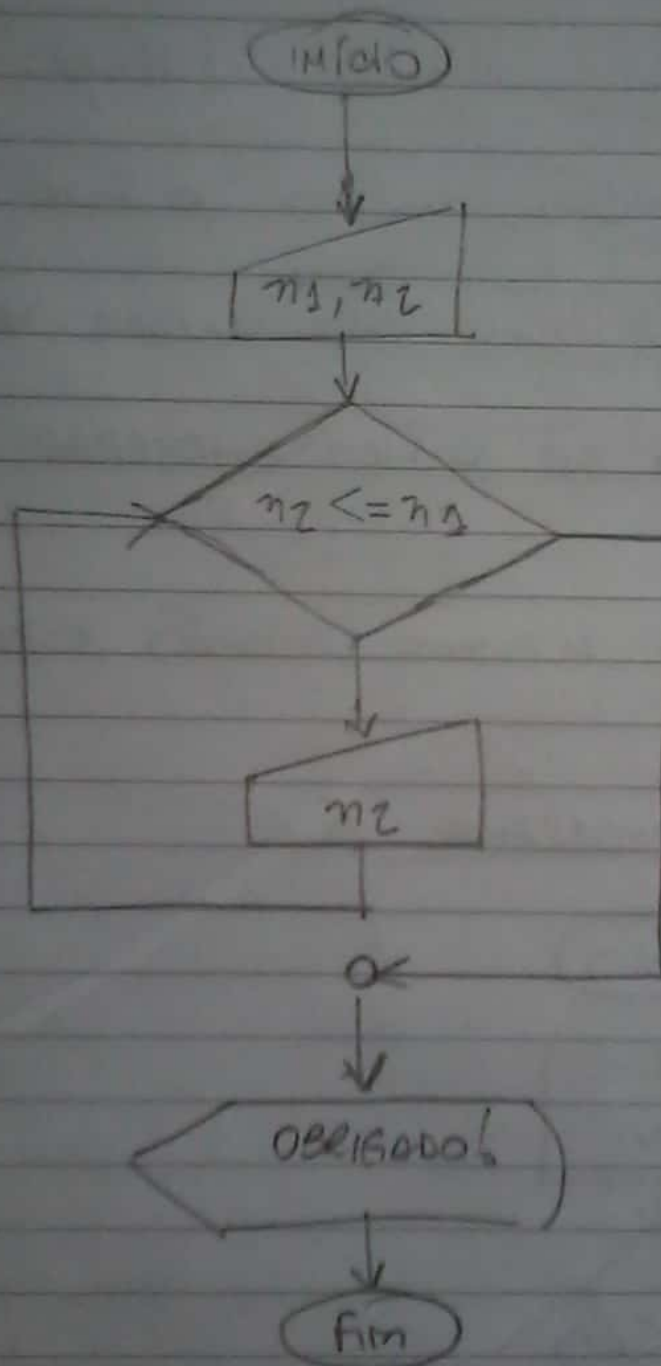
BREAK → Quando se quiser encerrar um looping

CONTINUE → Para uma alguma situação específica

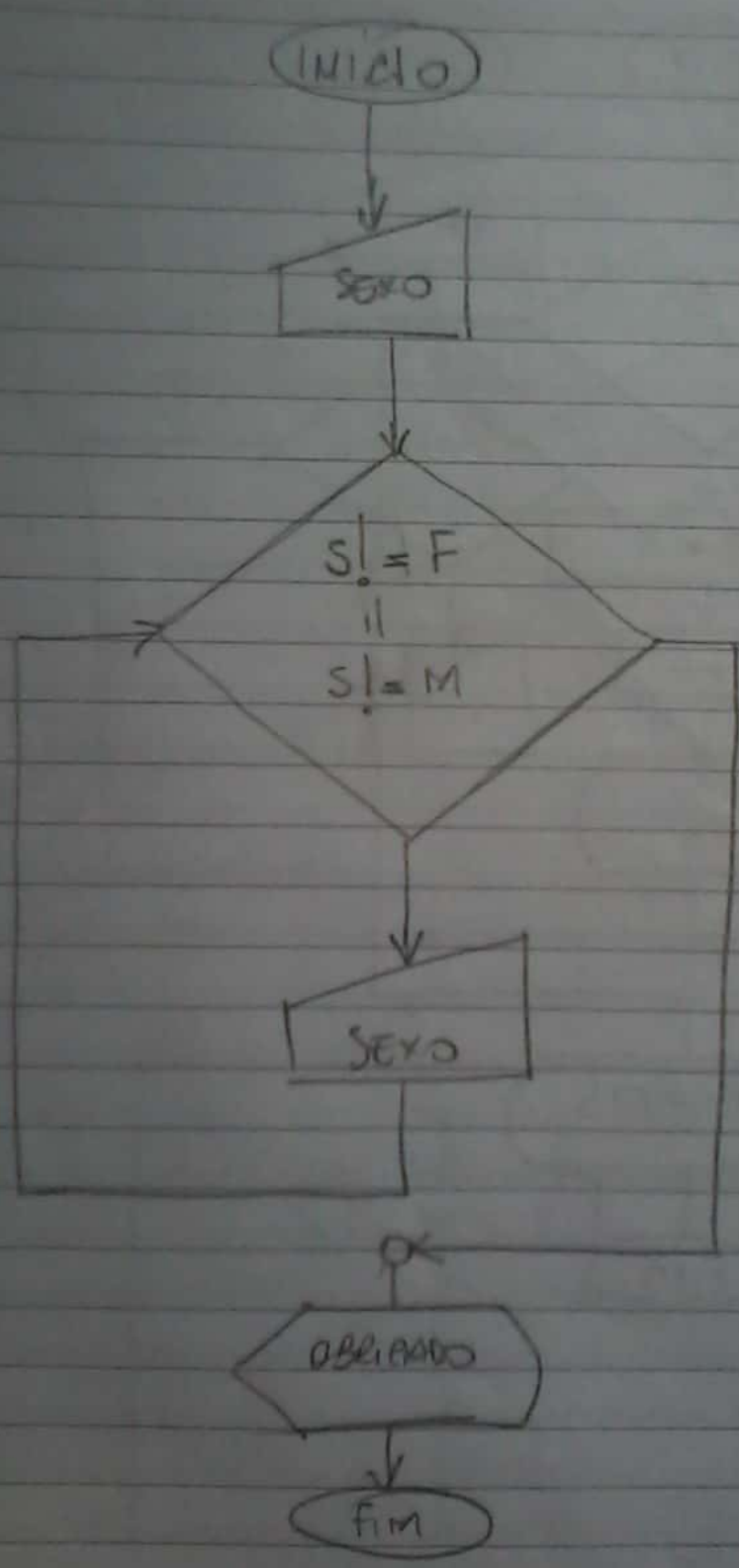
Exercício 02 - Fluxograma



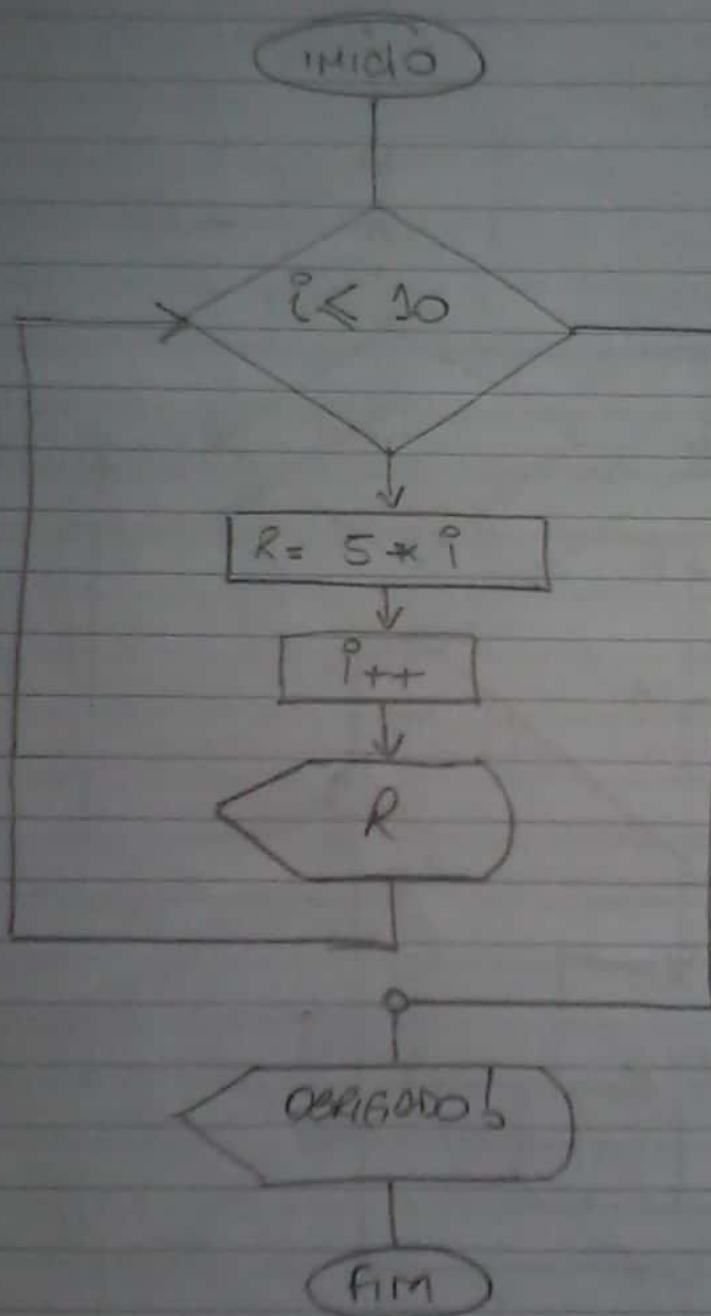
Ejercicio 23



24. FUXOCRAMA

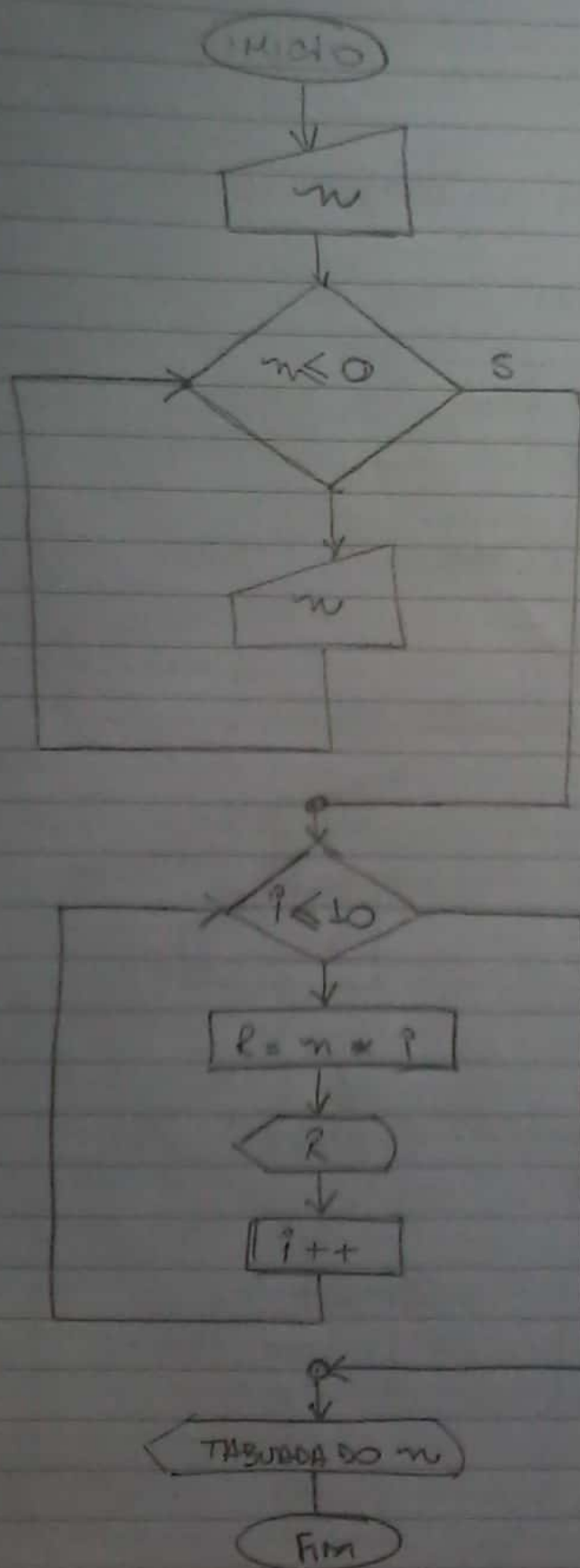


Ex. Função para

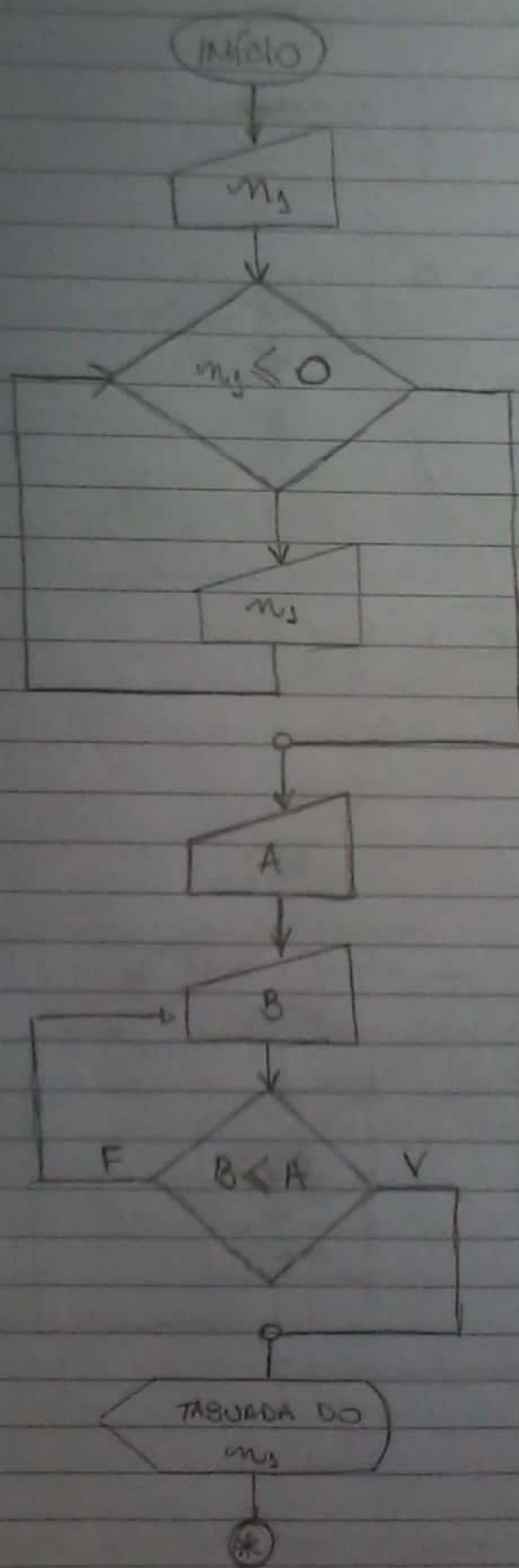


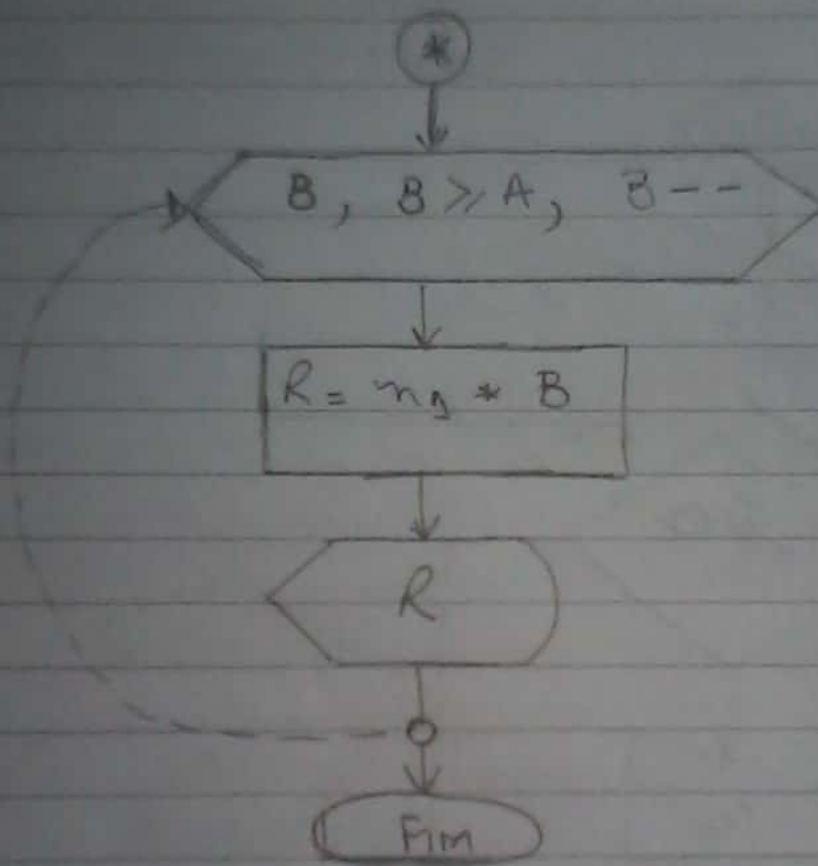
33

ПРОГРАММА

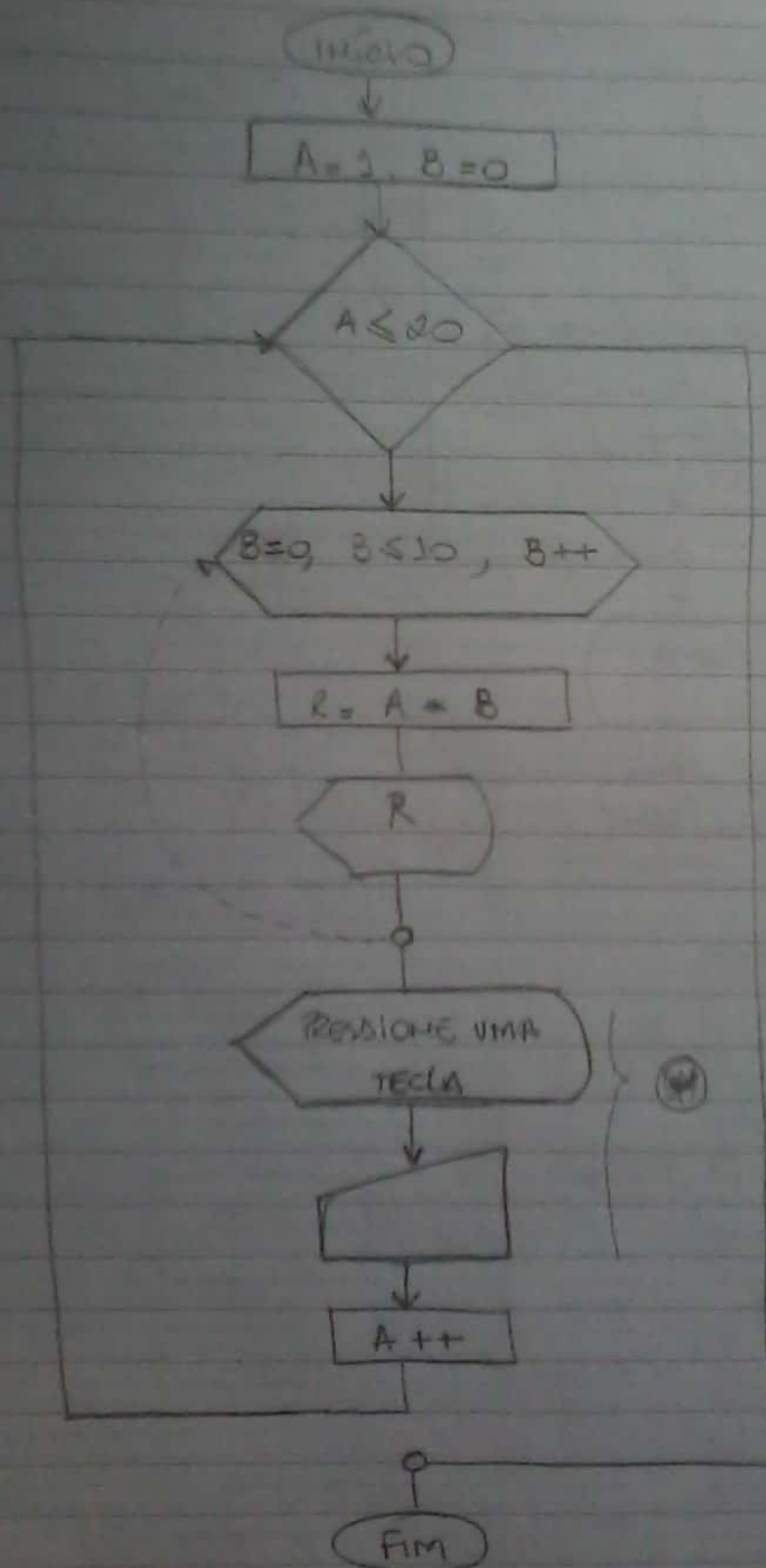


Exerc 10.22



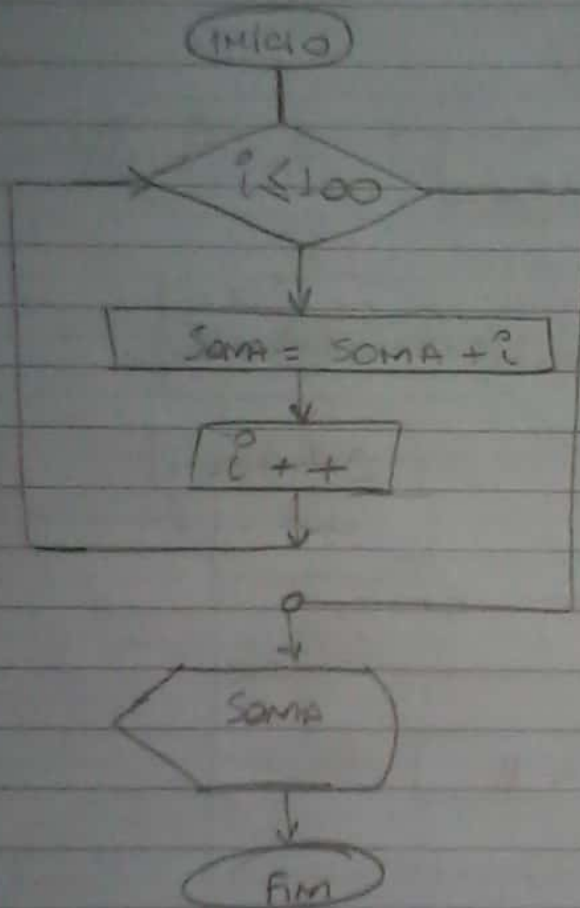


Exercício 20



Ⓢ SYSTEM("Pause")

EXERCÍCIO 29



SOMA	i	SOMA +
0	1	1
1	2	3
3	3	6
6	4	10
10	5	15

Exercício 30

Exibir os trinta primeiros valores da série de Fibonacci

A série: 1, 1, 2, 3, 5, 8

$$A + B = C$$

1

$$1 + 0 = 1$$

$$1 + 1 = 2$$

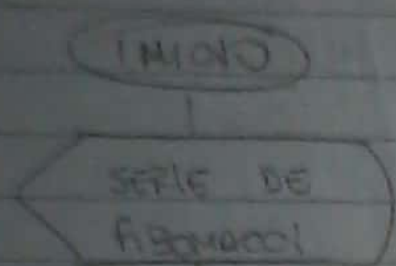
$$2 + 1 = 3$$

$$3 + 2 = 5$$

$$5 + 3 = 8$$

$$8 + 5 = 13$$

$$13 + 8 = 21$$



A=0, B=0, C=1

A=C

$i \leq 30$

A + B = C

B = A

A = C

C

i++

Fim

A = 0

B = 0

C = 1

A = C

A + B = C

B = A

A = C

! Nota C = A + B

TESTE DE MESA:

A	B	C	A+B	B+A	A+C	Saída (C)
0	0	1	1	1	1	1
1	1	1	2	1	2	2
2	1	2	3	2	3	3
3	2	3	5	3	5	5
5	3	5	8	5	8	8

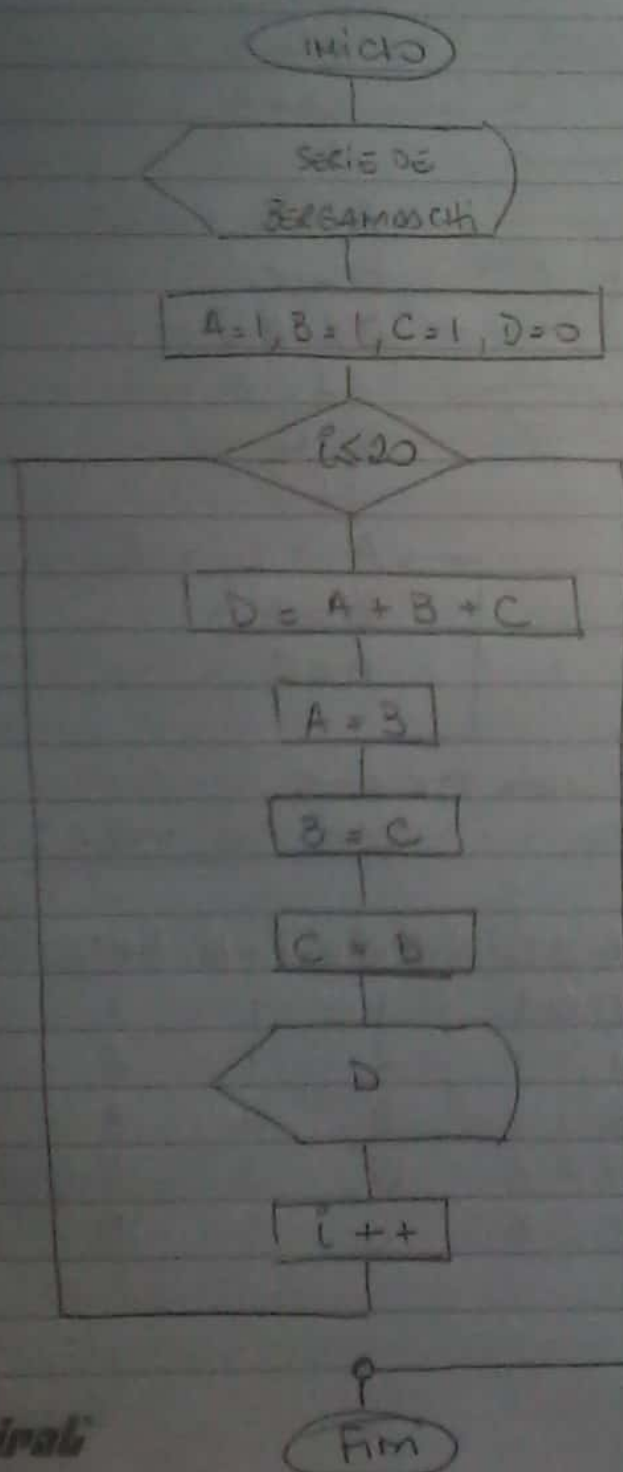
5. Série de Fibonacci

Série: 1, 1, 3, 5, 9, 17

A	B	C	D
1	1	3	
1	3	5	
3	5	9	
5	9	17	

A = 1
B = 1
C = 1

D = A + B + C
A = B
B = C
C = D



TESTE DE MESA:

! NOTA D = A + B + C

(Módulo)

A	B	C	D	A+B	B+C	C+D
1	1	1	3	2	2	3
1	1	3	5	2	3	5
1	3	5	9	3	5	9
3	5	9	17	5	9	17
5	9	17	31	9	17	31
9	17	31	57	17	31	57
17	31	57	105	31	57	105

Exercício 32

Sequência: 2, 5, 10, 17, 26, 37

Nº IMPARES

3 5 7 9 11

SEQUÊNCIA:

$A = 2$ (inicialização)

$A = A + B$

Nº IMPARES

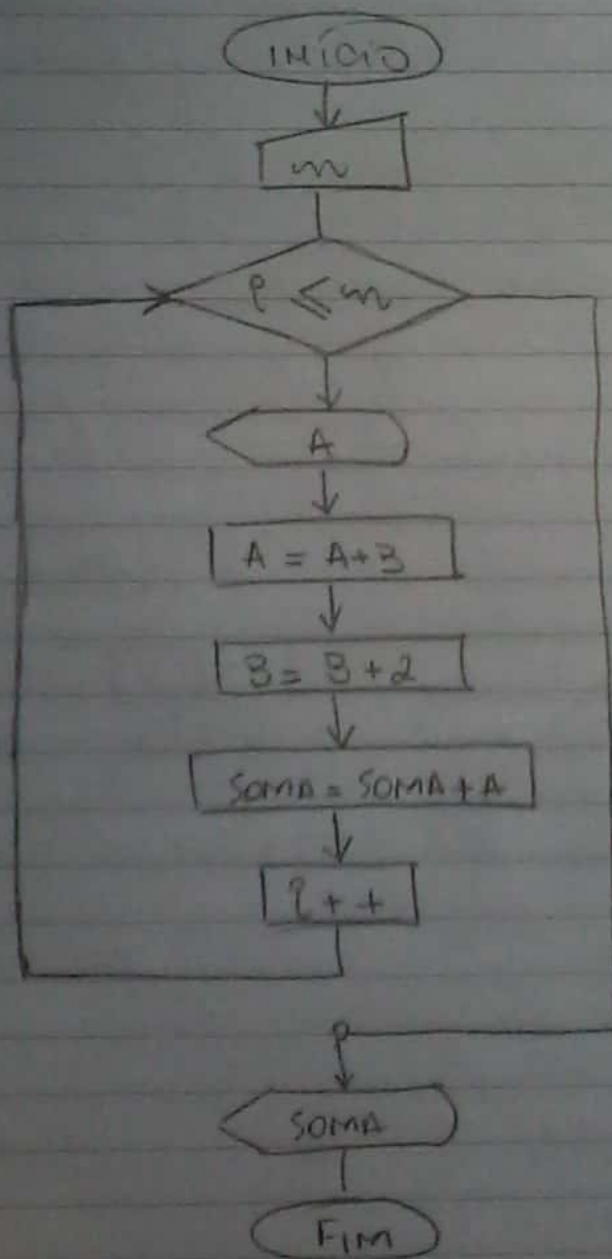
$B = 3$ (inicialização)

$B = B + 2$

SOMA DOS N°S

$SOMA = 0$ (inicialização)

$SOMA = SOMA + A$



$m \rightarrow$ Nº INFORMADO PELO USUÁRIO

$p \rightarrow$ CONTADOR

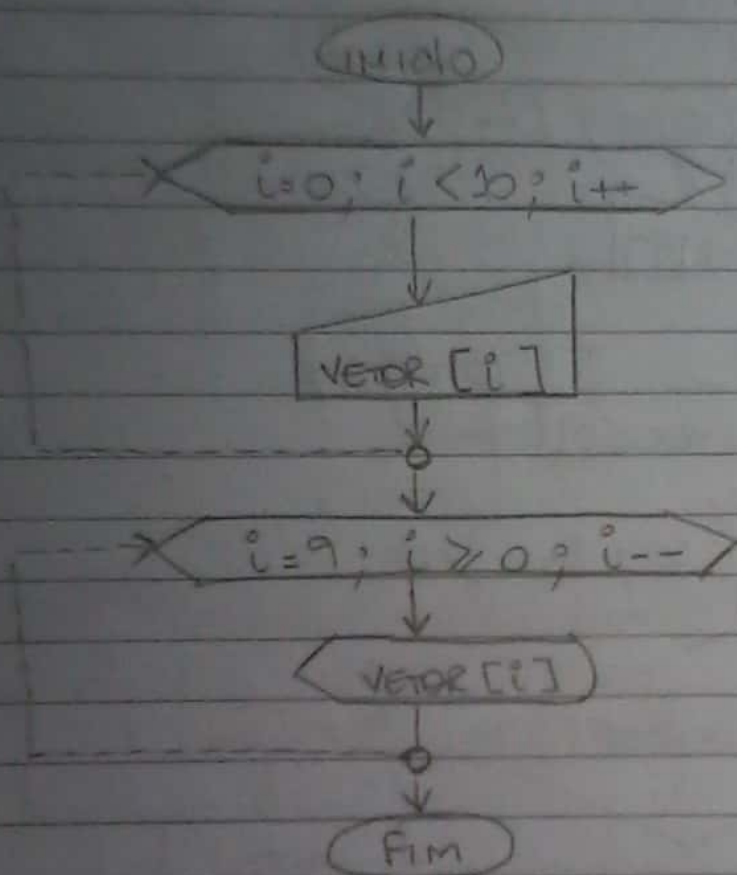
* TESTE DE MEIA NO VERSO!

TESTE DE MESA

N	i	A	B	SOMA	$A + A + B$	$B + B + 2$	$SOMA + SOMA + A$	$i++$
0	0	2	3	0	5	5	2	1
1	1	5	5	2	10	7	7	2
2	2	10	7	7	17	9	17	3
3	3	17	9	17	26	11	34	4
4	4	26	11	34	37	13	60	5

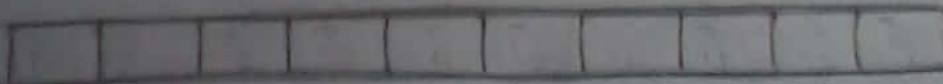
Exercício 33

Vetores



Exercício 34

VETOR

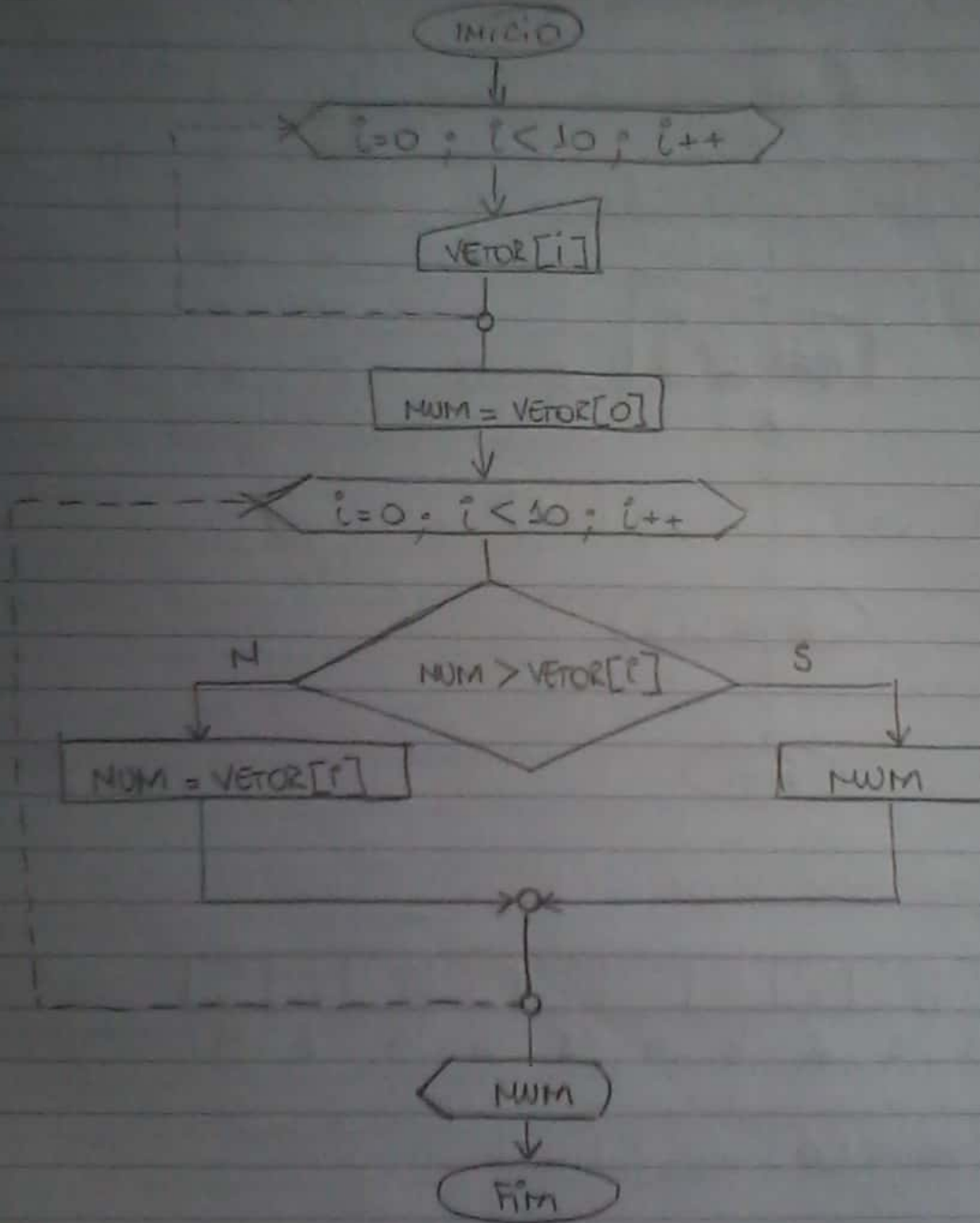


(1) Posições 0 1 2 3 4 5 6 7 8 9

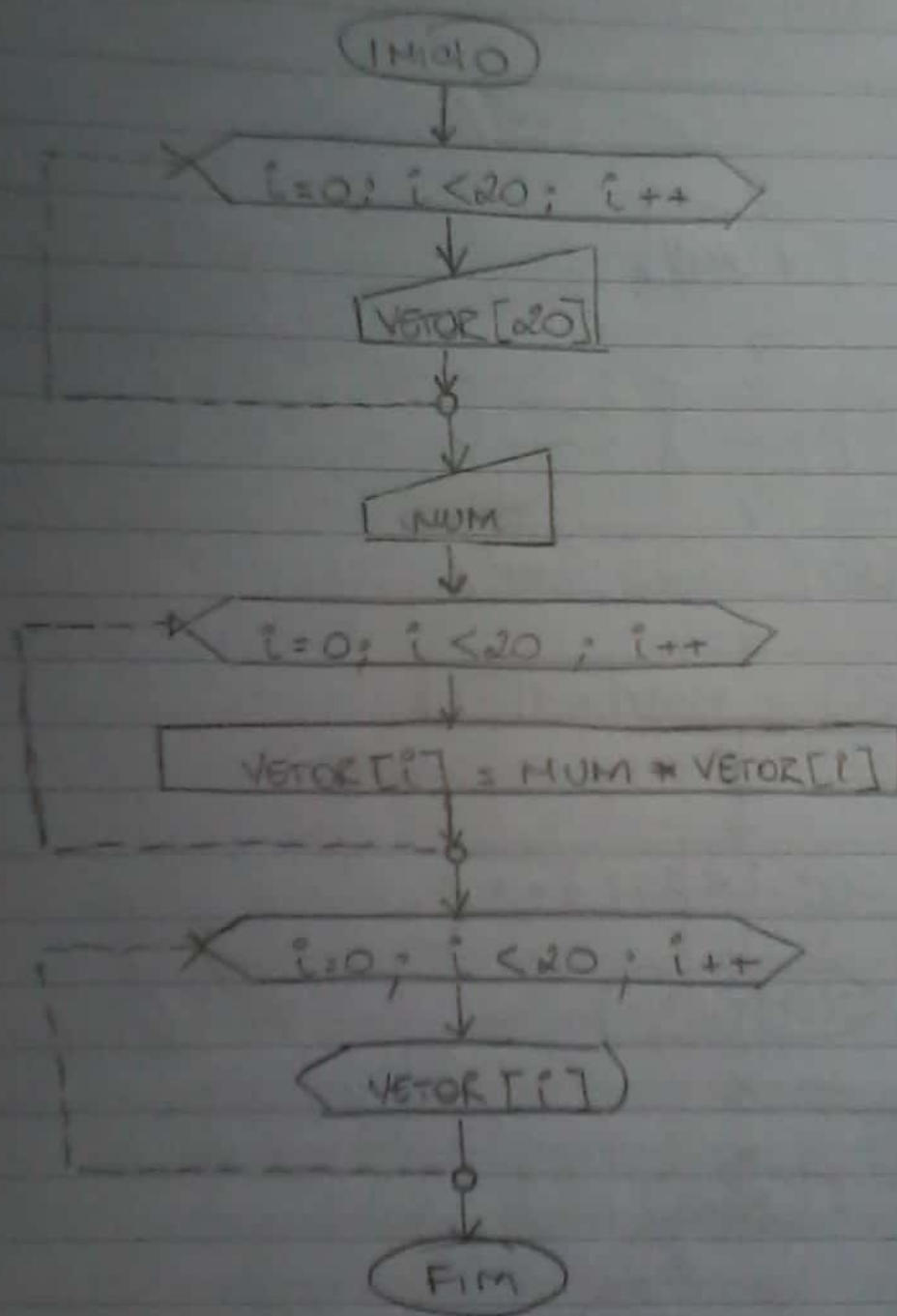
MAIOR = VETOR[0]

MAIOR

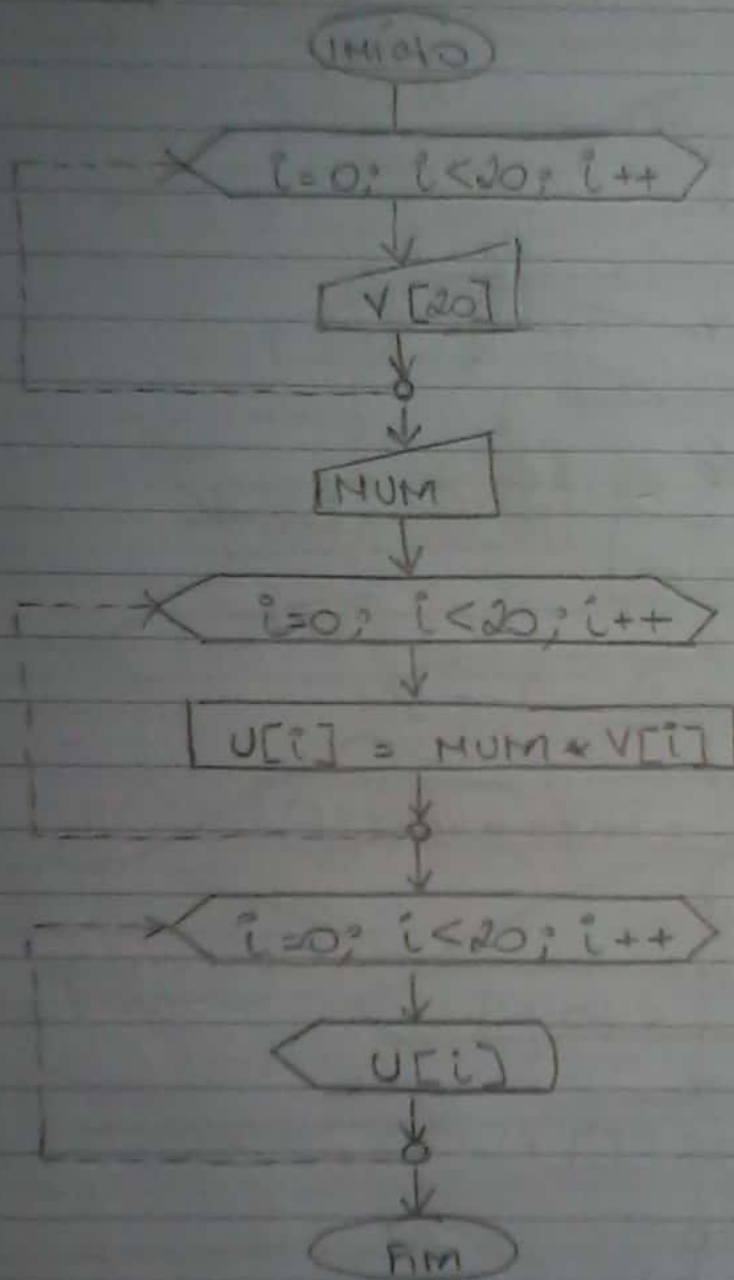
Exercício 34



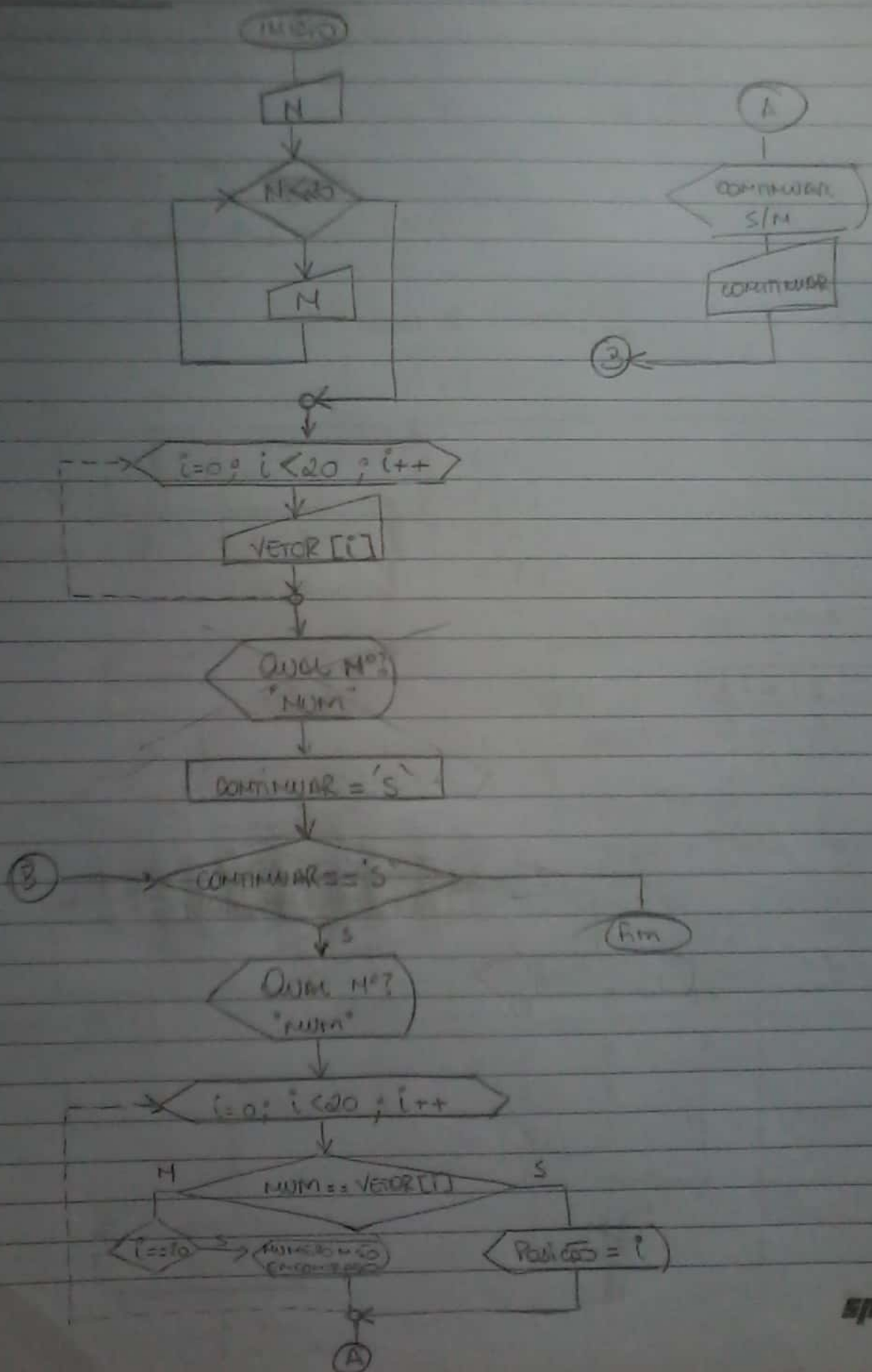
SECTION 035



Ex 3.6

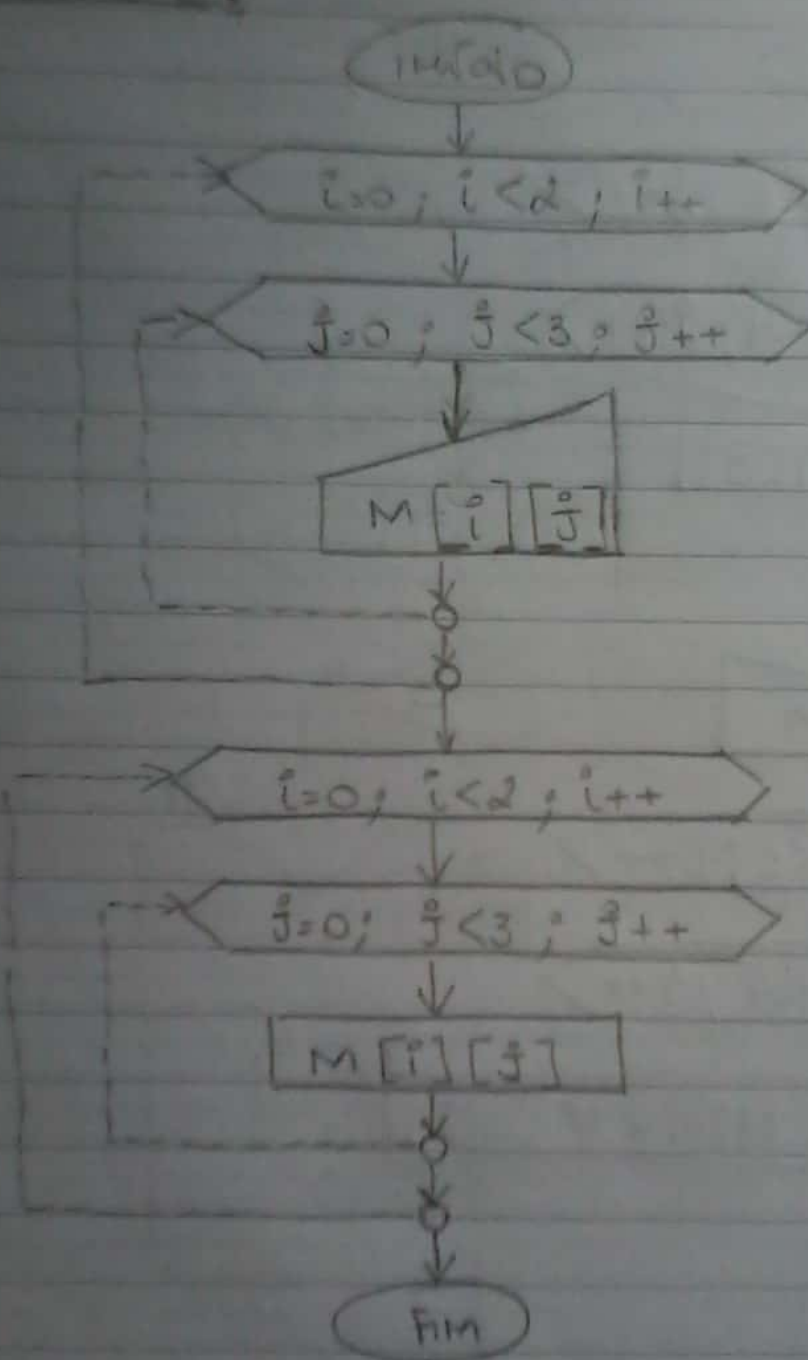


Exercise 22



10/10/2021

Matrix 0x3



Matrix

i — Linhas
 j — Colunas

