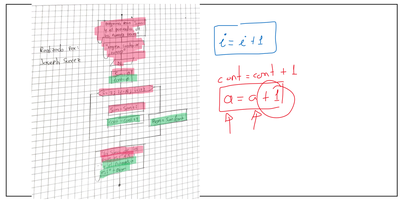
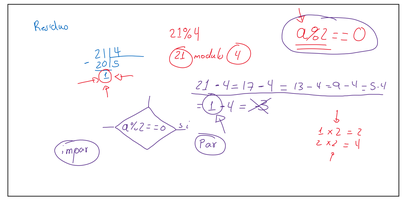
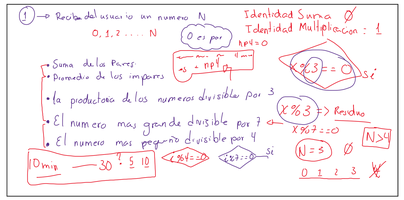
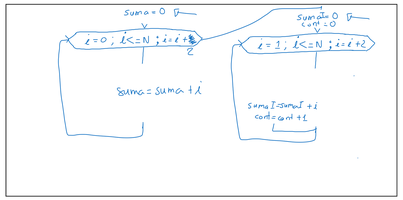
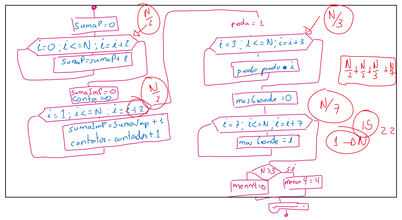
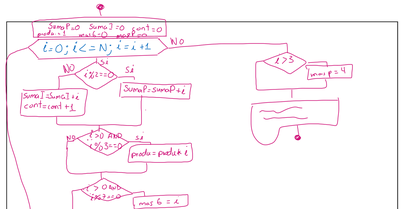

Final Exam | Fin
Joseph Sacre
i = i + 1
cont = cont + 1
a = a + 1

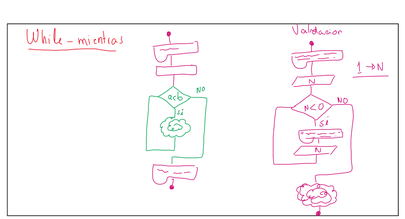

Residuo
21%4
21 modulo 4
a%2 == 0
impar
Par
21 - 4 = 17 - 4 = 13 - 4 = 9 - 4 = 5 - 4
1 × 2 = 2
2 × 2 = 4

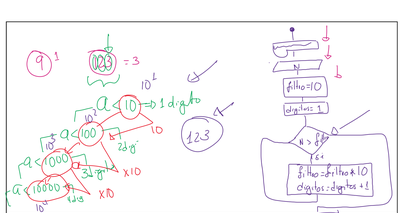

1 → Recibir del usuario un numero N
0, 1, 2 . . . . N
0 es par
Identidad Suma ∅
Identidad Multiplicacion : 1
Suma de los Pares
Promedio de los impares
la productoria de los numeros divisibles por 3
El numero mas grande divisible por 7
El numero mas pequeño divisible por 4
10 min
30 : 5 : 10
N%3 == 0
N%7 == 0
N%4 == 0
N > 4
N = 3
0 1 2 3

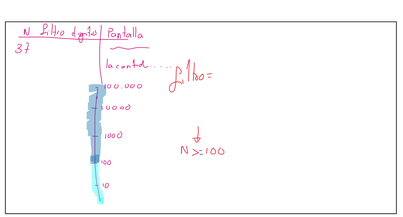

suma = 0
i = 0 ; i <= N ; i = i + 1
suma = suma + i
suma = 0
cont = 0
i = 1 ; i <= N ; i = i + 2
sumaI = sumaI + i
cont = cont + 1

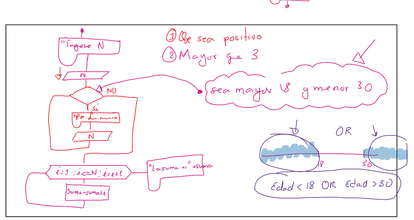

sumaP = 0
i = 0 ; i <= N ; i = i + 2
sumaP = sumaP + i
sumaI = 0
contador = 0
i = 1 ; i <= N ; i = i + 2
sumaI = sumaI + i
contador = contador + 1
prod = 1
i = 3 ; i <= N ; i = i + 3
prod = prod * i
mayGrande = 0
i = 7 ; i <= N ; i = i + 7
mayGrande = i
N > 3
mentira
verdad
N/2 + N/3 + N/7 - N/15
1 - N/N
2.2

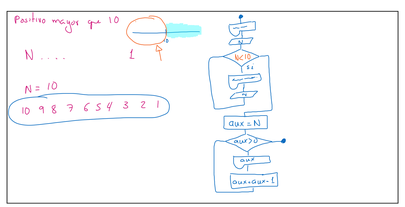

sumaP = 0 sumaI = 0 cont = 0
prod = 1 mayGr = 0 mayPr = 0
i = 0 ; i <= N ; i = i + 1
i % 2 == 0
sumaI = sumaI + i
cont = cont + 1
sumaP = sumaP + i
i > 0 AND i % 3 == 0
prod = prod * i
i > 0 AND i % 2 == 0
mayPr = i
i > 3
mayGr = i

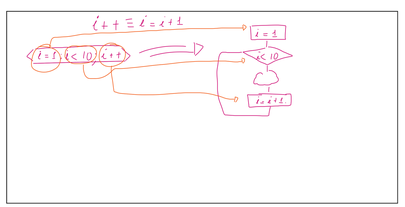

While - mientras
Validacion
1 → N
a < 6
N < 0

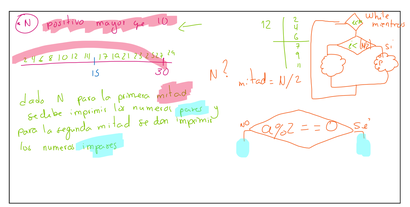

9
1023 = 3
a < 10 → 1 digito
a < 100
a < 1000
a < 10000
10
123
N
filho = 0
digitos = 1
N > 0
filho = filho * 10
digitos = digitos + 1
digitos


N filho digitos Pantalla
37
la cantidad . . . . .
filho =
N ≥ 100


Ingrese N
N % 2 == num
i = 3 ; i <= N ; i = i + 2
sumaImpares
"La suma es" + sumaI
① Que sea positivo
② Mayor que 3
sea mayor 3 y menor 30
OR
Edad < 18 OR Edad > 30


Positivo mayor que 10
N . . . .
1
N = 10
10 9 8 7 6 5 4 3 2 1
N < 10
aux = N
aux > 0
aux
aux = aux - 1


i = 1 ; i < 10 ; i = i + 1
i = 1
i < 10
i = i + 1


N positivo mayor que 10
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30
15
dado N para la primera mitad se debe imprimir los numeros pares y para la segunda mitad se dan imprimir los numeros impares
N ?
mitad = N/2
while mientras
i < N/2
a%2 == 0
Si