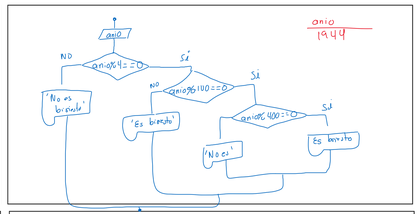
1) divisible 4
2) divisible 100 != 0
3) divide 400 == 0

Si { 2012 → n % 4 = 502 ✓
2012 → 100 = 20,12 ?
2012 → 400 = 5,03

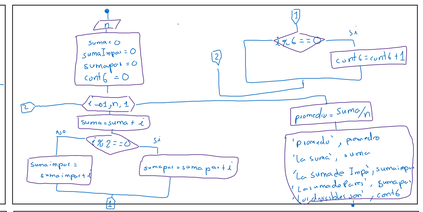
Si ⇒ 2000 → 4 = 500 ?
2000 → 100 = 20 ?
2000 → 400 = 5

Si es divisible 4 y No es divi. 100
→ Si es div. 4 y divisible 100 y divisible 400




anio
1944

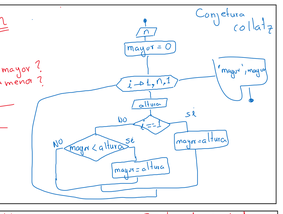
• n → numero
1 → n
- promedio → suma / cantidad
- sumatoria → suma = suma + i
- sumatoria → de los numeros pares → sumapar = sumapar + i { i%2==0 }
- sumatoria → numeros impares → sumaimpar = sumaimpar + i { NO i%2==0 }
- Cuantos numeros son divisibles por 6 → { i%6==0 } → Contador = contador + 1
i → 1, n, 1

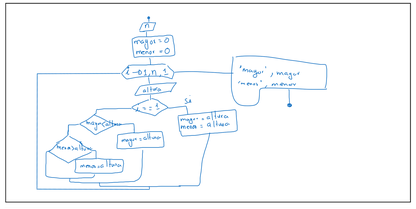


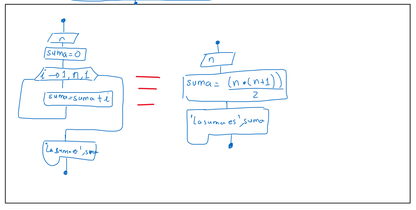

•Cuantos datos? → n
• altura en cm
• Cual es la altura mayor?
Cual es la altura menor?

| n | mayor | i | altura |
|---|---|---|---|
| 3 | ~~∞~~ | ~~1~~ | -100 |
| | ~~∞~~ | ~~2~~ | -50 |
| | ~~150~~ | ~~3~~ | -220 |
| | 210 | ~~4~~ | -30 |
| | | 6 | -25 |

Conjetura collatz

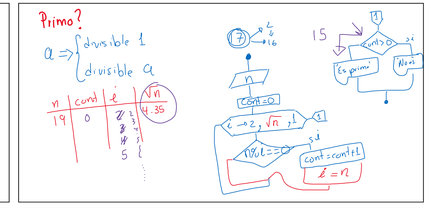


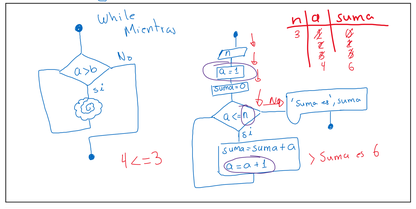




Primo?
a ⇒ { divisible 1
divisible a

| n | cont | i | √n |
|---|---|---|---|
| 19 | 0 | 1 | 4.35 |
| | | 2 | |
| | | 3 | |
| | | 4 | |
| | | 5 | |




| n | a | suma |
|---|---|---|
| 3 | ~~1~~ | ~~0~~ |
| | ~~2~~ | ~~1~~ |
| | ~~3~~ | ~~3~~ |
| | 4 | 6 |

Suma es 6

boolean
V/F
True/False
1/0

| C1 | And | C2 | = |
|---|---|---|---|
| Si | And | No | = No |
| Si | And | Si | = Si |
| No | And | No | = NO |
| No | And | Si | = NO |

| C1 | And | C2 |
|---|---|---|
| True | True | True |
| True | False | False |
| False | True | False |
| False | False | False |

C1 a<=n
C2 a<b

| And | 1 | 0 |
|---|---|---|
| 1 | 1 | 0 |
| 0 | 0 | 0 |

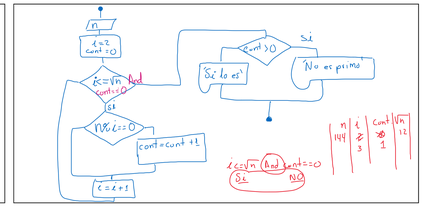
| C1 | Or | C2 | = |
|---|---|---|---|
| Si | Or | Si | = Si |
| Si | Or | NO | = Si |
| No | Or | Si | = Si |
| No | Or | No | = No |

| C1 And C2 | |
|---|---|
| 1 | 1 = 1 |
| | 0 = 0 |
| 0 | 1 = 0 |
| | 0 = 0 |

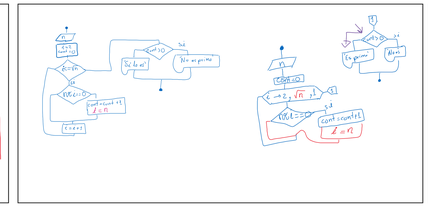
Not

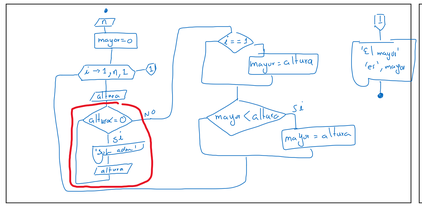
Not C1

| C1 | Not C1 |
|---|---|
| True | False |
| False | True |

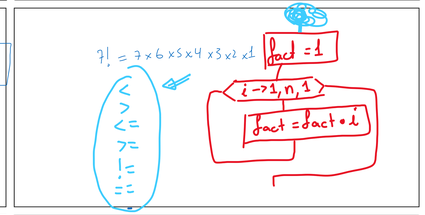



| n | i | cont | √n |
|---|---|---|---|
| 144 | ~~2~~ | ~~0~~ | 12 |
| | ~~3~~ | ~~1~~ | |

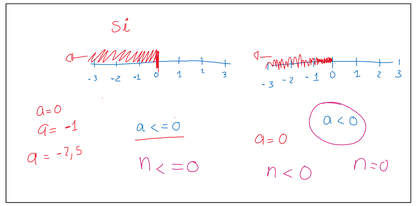


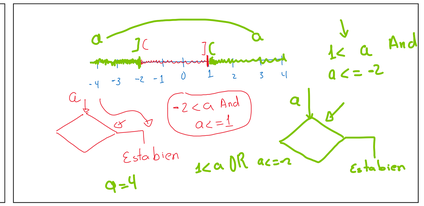
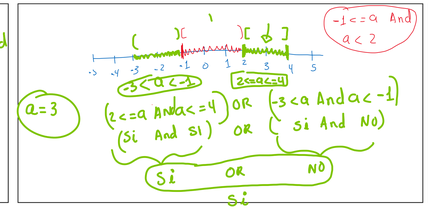
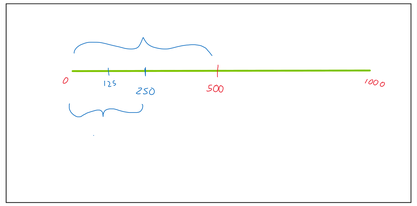
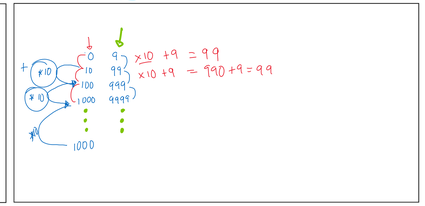
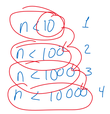
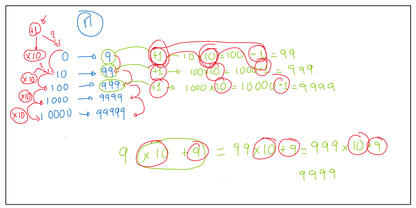
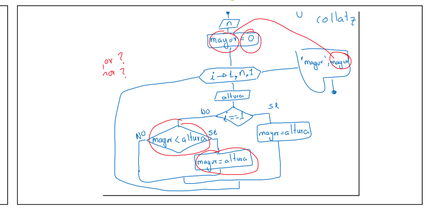
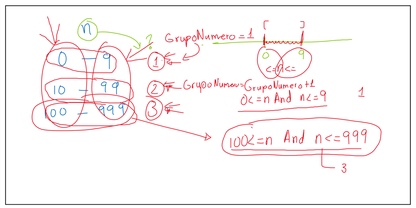
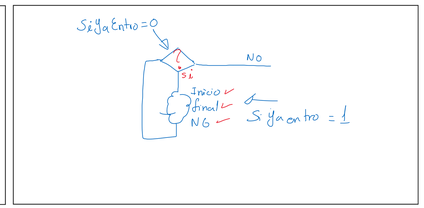
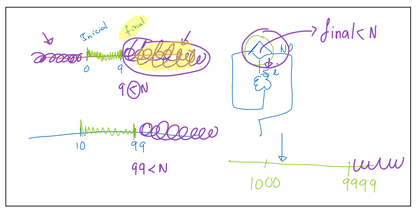




?! = 7 x 6 x 5 x 4 x 3 x 2 x 1




Si




a=0
a=-1
a=-2,5
a<=0
n<=0
a=0
n<0
a<0
n=0