

Solución

 $A = \text{Sema}$ $SN = \emptyset$ $\text{Sema} = \emptyset$ $C = 1$ $\text{Sema} = \text{Sema} + C$

Sema

C

Mientras $(C \leq 20)$ haga $SN = SN + C$ $C = C + 1$

End

Escribir ("la suma de los números naturales del 1 hasta el 20 es:", SN)Escribir ("El valor del contador es", C)~~0~~~~0~~

1

1

3

2

6

3

10

4

15

5

21

6

28

7

36

8

45

9

55

10

66

11

78

12

91

13

105

14

120

15

136

16

153

17

171

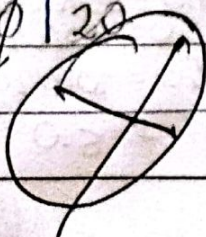
18

190

19

210

20



b = Suma de impares

Suma Ip = 0

C = 1

Suma Ip	C
0	1
1	3
4	5
9	7
16	9
25	11
36	13
49	15
64	17
81	19
100	21

MØ (C <= 20) haga

Div = C-2

If (Div == 1):

Imp = 0

Sumaip = Sumaip + Imp

Else:

Print ("no valido")

C = C+1

END

C = Suma de pares

Suma pr	C
0	0
0	2
2	4
4	6
8	8
12	10
20	12
30	14
42	16
56	18
72	20
90	21
110	

Suma par = 0

C = 0

MØ { <= } haga

Div = C%2

If (Div == 0)

par = C

Sumapar = Sumapar + par

Else

Print ("no valido")

C = C+1

END

O. promedio pares

promedio = Sumapar / (C-1)

promedio = 110 / (21-1)

promedio = 110 / 20

promedio = 5.5

promedio impares

promedio = Sumaip / (C-1)

promedio = 100 / (21-1)

promedio = 100 / 20

promedio = 5.0

Matisse

e: percent = pares

percent = impar

$$\text{percent} = \text{Sumapar} * 10 / (c-1)$$

$$\text{percent} = 110 * 10 / (21-1)$$

$$\text{percent} = 110 * 10 / 20$$

$$\text{percent} = 55$$

$$\text{Percent} = \text{Sumaimp} * 10 / (c-1)$$

$$\text{percent} = 100 * 10 / (21-1)$$

$$\text{Percent} = 100 * 10 / 20$$

$$\text{percent} = 50$$

