

Pregunta 6

...

Transferir o no transferir, esa es la cuestión

Introduccion

Por definición: $A = 2 \times ((X + Y) \bmod 5) + 3$

$$B = 2 \times ((Y + Z) \bmod 5) + 3$$

$$C = 2 \times ((X + Z) \bmod 5) + 3$$

En mi caso, $X = 2$, $Y = 1$ y $Z = 6$.

Por lo tanto $A = 9$

$$B = 7$$

$$C = 9$$

Imprime

coroutine w():

```
0 int a = 0
  loop:
1   a = 2 * a + 9
2   print(a)
3   if a mod 3 == 0:
4       transfer t()
  else:
5       transfer f()
```

coroutine t():

```
0 int b = 1
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coroutine f():

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0 int c = 1
  loop:
1   c = c + 9
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```

a	0
pc	0

b	
pc	0

c	
pc	0

Imprime

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```

a	9
pc	1

b	
pc	0

c	
pc	0

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Imprime

9

a	9
pc	2

b	
pc	0

c	
pc	0

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Imprime

9

a	9
pc	3

b	
pc	0

c	
pc	0

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Imprime

9

a	9
pc	4

b	
pc	0

c	
pc	0

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9

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pc	4

b	1
pc	0

c	
pc	0

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9

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pc	4

b	56
pc	1

c	
pc	0

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56

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pc	4

b	56
pc	2

c	
pc	0

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c	
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56

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pc	4

b	56
pc	5

c	10
pc	1

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pc	5

c	10
pc	2

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pc	4

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Imprime

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10
441

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pc	4

b	441
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c	10
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Imprime

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b	441
pc	5

c	19
pc	1

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Imprime

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56
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441
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a	9
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b	441
pc	5

c	19
pc	2

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Imprime

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56
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19

a	9
pc	4

b	441
pc	5

c	19
pc	3

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Imprime

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56
10
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b	441
pc	5

c	19
pc	5

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Imprime

9
56
10
441
19

a	9
pc	4

b	3136
pc	1

c	19
pc	5

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56
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3136

a	9
pc	4

b	3136
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56
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a	27
pc	1

b	3136
pc	4

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27

a	27
pc	3

b	3136
pc	4

c	19
pc	5

coroutine w():

```
0  int a = 0
   loop:
1    a = 2 * a + 9
2    print(a)
3    if a mod 3 == 0:
4      transfer t()
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0  int b = 1
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```

coroutine f():

```
0  int c = 1
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1    c = c + 9
2    print(c)
3    if c mod 3 == 2:
4      transfer w()
   else:
5      transfer t()
```

Imprime

9
56
10
441
19
3136
27

a	27
pc	4

b	3136
pc	4

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9
56
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441
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27

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b	22001
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c	19
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10
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Imprime

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27
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a	27
pc	4

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Imprime

9
56
10
441
19
3136
27
22001

a	27
pc	4

b	22001
pc	5

c	28
pc	1

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Imprime

9
56
10
441
19
3136
27
22001
28

a	27
pc	4

b	22001
pc	5

c	28
pc	2

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Imprime

9
56
10
441
19
3136
27
22001
28

a	27
pc	4

b	22001
pc	5

c	28
pc	3

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Imprime

9
56
10
441
19
3136
27
22001
28

a	27
pc	4

b	22001
pc	5

c	28
pc	5

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Imprime

9
56
10
441
19
3136
27
22001
28

a	27
pc	4

b	154056
pc	1

c	28
pc	5

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Imprime

9
56
10
441
19
3136
27
22001
28
154056

a	27
pc	4

b	154056
pc	2

c	28
pc	5

El programa continuará
ejecutándose...

Imprime

9

56

10

441

19

3136

27

22001

28

154056

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