

# Pregunta 3b

...

El Iterador Contraataca

## Código en Python

## Imprime

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
5 for m in misterio([1,2,3]):
6     print m
```

Global	
misterio	proc
m	-
pc	5

# Código en Python

# Imprime

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6
5  for m in misterio([1,2,3]):
6      print m
```

Global	
misterio	proc
m	-
pc	5

misterio	ls	[1,2,3]
	pc	0

# Código en Python

# Imprime

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
        else:
4           yield []

5 for m in misterio([1,2,3]):
6     print m
```

Global	
misterio	proc
m	-
pc	5

misterio	m	-
	ls	[1,2,3]
	pc	Ø 1

# Código en Python

# Imprime

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6
5  for m in misterio([1,2,3]):
6      print m
```

Global	
misterio	proc
m	-
pc	5

misterio	ls	[2,3]
	pc	0
misterio	m	-
	ls	[1,2,3]
	pc	Ø 1

# Código en Python

# Imprime

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
        else:
4           yield []

5 for m in misterio([1,2,3]):
6     print m
```

Global	
misterio	proc
m	-
pc	5

misterio	m	-
	ls	[2,3]
	pc	Ø 1
misterio	m	-
	ls	[1,2,3]
	pc	Ø 1

# Código en Python

# Imprime

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Global	
misterio	proc
m	-
pc	5

misterio	ls	[3]
	pc	0
misterio	m	-
	ls	[2,3]
	pc	Ø 1
misterio	m	-
	ls	[1,2,3]
	pc	Ø 1

# Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Global	
misterio	proc
m	-
pc	5

# Imprime

misterio	m	-
	ls	[3]
	pc	<del>0</del> 1
misterio	m	-
	ls	[2,3]
	pc	<del>0</del> 1
misterio	m	-
	ls	[1,2,3]
	pc	<del>0</del> 1



Código en Python

Imprime

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Global	
misterio	proc
m	-
pc	5

misterio	ls	[]
	pc	0
misterio	m	-
	ls	[3]
	pc	<del>0</del> 1
misterio	m	-
	ls	[2,3]
	pc	<del>0</del> 1
misterio	m	-
	ls	[1,2,3]
	pc	<del>0</del> 1

Código en Python

Imprime

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
       else:
4           yield []
5   for m in misterio([1,2,3]):
6       print m
```

Global	
misterio	proc
m	-
pc	5

misterio	ls	[]
	pc	<del>0</del> 4
misterio	m	-
	ls	[3]
	pc	<del>0</del> 1
misterio	m	-
	ls	[2,3]
	pc	<del>0</del> 1
misterio	m	-
	ls	[1,2,3]
	pc	<del>0</del> 1

Código en Python

Imprime

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Global	
misterio	proc
m	-
pc	5

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> 1 2
misterio	m	-
	ls	[2,3]
	pc	<del>0</del> 1
misterio	m	-
	ls	[1,2,3]
	pc	<del>0</del> 1

Código en Python

Imprime

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Global	
misterio	proc
m	-
pc	5

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> 1 <del>2</del> 3
misterio	m	-
	ls	[2,3]
	pc	<del>0</del> 1
misterio	m	-
	ls	[1,2,3]
	pc	<del>0</del> 1

# Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Global	
misterio	proc
m	-
pc	5

# Imprime

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> 2
misterio	m	-
	ls	[1,2,3]
	pc	<del>0</del> 1

# Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Global	
misterio	proc
m	-
pc	5

# Imprime

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	m	-
	ls	[1,2,3]
	pc	<del>0</del> 1

# Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Global	
misterio	proc
m	-
pc	5

# Imprime

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[1, 2, 3] [2, 1, 3] [2, 3, 1]
	m	[2,3]
	ls	[1,2,3]
	pc	<del>0</del> <del>1</del> 2

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Global	
misterio	proc
m	-
pc	5

Imprime

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[1, 2, 3] [2, 1, 3] [2, 3, 1]
	m	[2,3]
	ls	[1,2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3



Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Imprime

[1,2,3]

Global	
misterio	proc
m	[1,2,3]
pc	<del>5</del> 6

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> 1 <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> 1 <del>2</del> 3
misterio	i	[1, 2, 3] [2, 1, 3] [2, 3, 1]
	m	[2,3]
	ls	[1,2,3]
	pc	<del>0</del> 1 <del>2</del> 3

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Global	
misterio	proc
m	[1,2,3]
pc	<del>5</del> <del>6</del> 5

Imprime

[1,2,3]

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[1, 2, 3] [2, 1, 3] [2, 3, 1]
	m	[2,3]
	ls	[1,2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Global	
misterio	proc
m	[1,2,3]
pc	<del>5</del> <del>6</del> 5

Imprime

[1,2,3]

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[1, 2, 3] [2, 1, 3] [2, 3, 1]
	m	[2,3]
	ls	[1,2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> 2

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Global	
misterio	proc
m	[1,2,3]
pc	<del>5</del> 6 5

Imprime

[1,2,3]

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> 1 <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> 1 <del>2</del> 3
misterio	i	[1, 2, 3] [2, 1, 3] [2, 3, 1]
	m	[2,3]
	ls	[1,2,3]
	pc	<del>0</del> 1 <del>2</del> 3 <del>2</del> 3

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Imprime

[1,2,3]  
[2,1,3]

Global	
misterio	proc
m	[2,1,3]
pc	<del>5</del> <del>6</del> <del>5</del> <del>6</del>

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[1, 2, 3] [2, 1, 3] [2, 3, 1]
	m	[2,3]
	ls	[1,2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> 3

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Global	
misterio	proc
m	[2,1,3]
pc	<del>5</del> <del>6</del> <del>5</del> <del>6</del> 5

Imprime

[1,2,3]  
[2,1,3]

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[1, 2, 3] [2, 1, 3] [2, 3, 1]
	m	[2,3]
	ls	[1,2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> 3

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Global	
misterio	proc
m	[2,1,3]
pc	<del>5</del> <del>6</del> <del>5</del> <del>6</del> 5

Imprime

[1,2,3]  
[2,1,3]

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[1, 2, 3] [2, 1, 3] [2, 3, 1]
	m	[2,3]
	ls	[1,2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> 2

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Imprime

[1,2,3]  
[2,1,3]

Global	
misterio	proc
m	[2,1,3]
pc	<del>5</del> <del>6</del> <del>5</del> <del>6</del> 5

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[1, 2, 3] [2, 1, 3] [2, 3, 1]
	m	[2,3]
	ls	[1,2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> 3



Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
    print m
```

Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]

Global	
misterio	proc
m	[2,3,1]
pc	<del>5</del> <del>6</del> <del>5</del> <del>6</del> <del>5</del> <del>6</del>

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[1, 2, 3] [2, 1, 3] [2, 3, 1]
	m	[2,3]
	ls	[1,2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del>

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]

Global	
misterio	proc
m	[2,3,1]
pc	<del>5</del> <del>6</del> <del>5</del> <del>6</del> <del>5</del> <del>6</del> <del>5</del>

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[1, 2, 3] [2, 1, 3] [2, 3, 1]
	m	[2,3]
	ls	[1,2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> 3

# Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

# Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]

Global	
misterio	proc
m	[2,3,1]
pc	<del>5</del> <del>6</del> <del>5</del> <del>6</del> <del>5</del> <del>6</del> <del>5</del>

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	-
	m	[2,3]
	ls	[1,2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> 2

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]

Global	
misterio	proc
m	[2,3,1]
pc	<del>5</del> <del>6</del> <del>5</del> <del>6</del> <del>5</del> <del>6</del> <del>5</del>

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	-
	m	-
	ls	[1,2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> 1

# Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

# Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]

Global	
misterio	proc
m	[2,3,1]
pc	<del>5</del> <del>6</del> <del>5</del> <del>6</del> <del>5</del> <del>6</del> <del>5</del>

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> 2
misterio	i	-
	m	-
	ls	[1,2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> 1

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]

Global	
misterio	proc
m	[2,3,1]
pc	<del>5</del> <del>6</del> <del>5</del> <del>6</del> <del>5</del> <del>6</del> <del>5</del>

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> 3
misterio	i	-
	m	-
	ls	[1,2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> 1

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]

Global	
misterio	proc
m	[2,3,1]
pc	<del>5</del> <del>6</del> <del>5</del> <del>6</del> <del>5</del> <del>6</del> <del>5</del>

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> 3
misterio	i	[1,3,2][3,1,2][3,2,1]
	m	[3,2]
	ls	[1,2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> <del>1</del> 2

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]

Global	
misterio	proc
m	[2,3,1]
pc	<del>5</del> <del>6</del> <del>5</del> <del>6</del> <del>5</del> <del>6</del> <del>5</del>

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> 3
misterio	i	[1,3,2][3,1,2][3,2,1]
	m	[3,2]
	ls	[1,2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> <del>1</del> <del>2</del> 3



Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
    print m
```

Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]  
[1,3,2]

Global	
misterio	proc
m	[1,3,2]
pc	<del>5</del> <del>6</del> <del>5</del> <del>6</del> <del>5</del> <del>6</del> <del>5</del> <del>6</del>

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> 3
misterio	i	[1,3,2][3,1,2][3,2,1]
	m	[3,2]
	ls	[1,2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> <del>1</del> <del>2</del> 3

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]  
[1,3,2]

Global	
misterio	proc
m	[1,3,2]
pc	5

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> 3
misterio	i	[1,3,2][3,1,2][3,2,1]
	m	[3,2]
	ls	[1,2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> <del>1</del> <del>2</del> 3

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]  
[1,3,2]

Global	
misterio	proc
m	[1,3,2]
pc	5

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> 2 3
misterio	i	[1,3,2][3,1,2][3,2,1]
	m	[3,2]
	ls	[1,2,3]
	pc	2

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]  
[1,3,2]

Global	
misterio	proc
m	[1,3,2]
pc	5

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> 3
misterio	i	[1,3,2][3,1,2][3,2,1]
	m	[3,2]
	ls	[1,2,3]
	pc	<del>2</del> 3

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]  
[1,3,2]  
[3,1,2]

Global	
misterio	proc
m	[3,1,2]
pc	<del>5</del> 6

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> 1 <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> 1 <del>2</del> 3 <del>2</del> 3
misterio	i	[1,3,2][3,1,2][3,2,1]
	m	[3,2]
	ls	[1,2,3]
	pc	<del>2</del> 3

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]  
[1,3,2]  
[3,1,2]

Global	
misterio	proc
m	[3,1,2]
pc	5

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> 1 <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> 1 <del>2</del> 3 <del>2</del> 3
misterio	i	[1,3,2][3,1,2][3,2,1]
	m	[3,2]
	ls	[1,2,3]
	pc	<del>2</del> 3

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]  
[1,3,2]  
[3,1,2]

Global	
misterio	proc
m	[3,1,2]
pc	5

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> 3
misterio	i	[1,3,2][3,1,2][3,2,1]
	m	[3,2]
	ls	[1,2,3]
	pc	<del>2</del> <del>3</del> 2

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]  
[1,3,2]  
[3,1,2]

Global	
misterio	proc
m	[3,1,2]
pc	5

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> 3
misterio	i	[1,3,2][3,1,2][3,2,1]
	m	[3,2]
	ls	[1,2,3]
	pc	3



Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]  
[1,3,2]  
[3,1,2]  
[3,2,1]

Global	
misterio	proc
m	[3,2,1]
pc	6

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> 1 <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> 1 <del>2</del> 3 <del>2</del> 3
misterio	i	[1,3,2][3,1,2][3,2,1]
	m	[3,2]
	ls	[1,2,3]
	pc	3

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]  
[1,3,2]  
[3,1,2]  
[3,2,1]

Global	
misterio	proc
m	[3,2,1]
pc	5

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> 3
misterio	i	[1,3,2][3,1,2][3,2,1]
	m	[3,2]
	ls	[1,2,3]
	pc	3

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]  
[1,3,2]  
[3,1,2]  
[3,2,1]

Global	
misterio	proc
m	[3,2,1]
pc	5

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> 3
misterio	i	-
	m	[3,2]
	ls	[1,2,3]
	pc	<del>3</del> 2

# Código en Python

```
def misterio(ls):  
0   if ls:  
1       for m in misterio(ls[1:]):  
2           for i in ins(ls[0], m):  
3               yield i  
       else:  
4           yield []  
  
5 for m in misterio([1,2,3]):  
6     print m
```

# Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]  
[1,3,2]  
[3,1,2]  
[3,2,1]

Global	
misterio	proc
m	[3,2,1]
pc	5

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	[2,3] [3,2]
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> 3
misterio	i	-
	m	-
	ls	[1,2,3]
	pc	<del>3</del> <del>2</del> 1

# Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

# Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]  
[1,3,2]  
[3,1,2]  
[3,2,1]

Global	
misterio	proc
m	[3,2,1]
pc	5

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	-
	m	[3]
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> 2
misterio	i	-
	m	-
	ls	[1,2,3]
	pc	<del>3</del> <del>2</del> 1

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]  
[1,3,2]  
[3,1,2]  
[3,2,1]

Global	
misterio	proc
m	[3,2,1]
pc	5

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	[3]
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> 3
misterio	i	-
	m	-
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> 1
misterio	i	-
	m	-
	ls	[1,2,3]
	pc	<del>3</del> <del>2</del> 1

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]  
[1,3,2]  
[3,1,2]  
[3,2,1]

Global	
misterio	proc
m	[3,2,1]
pc	5

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	-
	m	[]
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> 2
misterio	i	-
	m	-
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> <del>1</del>
misterio	i	-
	m	-
	ls	[1,2,3]
	pc	<del>3</del> <del>2</del> 1

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]  
[1,3,2]  
[3,1,2]  
[3,2,1]

Global	
misterio	proc
m	[3,2,1]
pc	5

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	-
	m	-
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> <del>1</del>
misterio	i	-
	m	-
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> <del>1</del>
misterio	i	-
	m	-
	ls	[1,2,3]
	pc	<del>3</del> <del>2</del> 1



Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []

5   for m in misterio([1,2,3]):
6       print m
```

Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]  
[1,3,2]  
[3,1,2]  
[3,2,1]

Global	
misterio	proc
m	[3,2,1]
pc	5

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	-
	m	-
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> <del>1</del>
misterio	i	-
	m	-
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> <del>1</del>
misterio	i	-
	m	-
	ls	[1,2,3]
	pc	<del>3</del> <del>2</del> 1

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]  
[1,3,2]  
[3,1,2]  
[3,2,1]

Global	
misterio	proc
m	[3,2,1]
pc	5

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	-
	m	-
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> <del>1</del>
misterio	i	-
	m	-
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> <del>1</del>
misterio	i	-
	m	-
	ls	[1,2,3]
	pc	<del>3</del> <del>2</del> 1

Código en Python

```
def misterio(ls):
0   if ls:
1       for m in misterio(ls[1:]):
2           for i in ins(ls[0], m):
3               yield i
4       else:
5           yield []
6   for m in misterio([1,2,3]):
7       print m
```

Imprime

[1,2,3]  
[2,1,3]  
[2,3,1]  
[1,3,2]  
[3,1,2]  
[3,2,1]

Global	
misterio	proc
m	[3,2,1]
pc	5

misterio	ls	[]
	pc	<del>0</del> 4
misterio	i	-
	m	-
	ls	[3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> <del>1</del>
misterio	i	-
	m	-
	ls	[2,3]
	pc	<del>0</del> <del>1</del> <del>2</del> <del>3</del> <del>2</del> <del>3</del> <del>2</del> <del>1</del>
misterio	i	-
	m	-
	ls	[1,2,3]
	pc	<del>3</del> <del>2</del> <del>1</del>

## Código en Python

```
def misterio(ls):  
0   if ls:  
1       for m in misterio(ls[1:]):  
2           for i in ins(ls[0], m):  
3               yield i  
       else:  
4           yield []  
  
5 for m in misterio([1,2,3]):  
6     print m
```

## Imprime

```
[1,2,3]  
[2,1,3]  
[2,3,1]  
[1,3,2]  
[3,1,2]  
[3,2,1]
```

# Programa Finalizado

*“Mucho que aprender  
todavía tienes”.*

- Yoda-