}

## Soluciones Trazas de métodos

```
/***********************
* traza_1
 *************************
                                 main
                                          fnx
int i, a = 1234;
for (i = 0; i < 4; i++) {
                                                salida
                                       а
                                           X
   fnx(a=a/10);
                                   0
                                      1234
                                           123
                                              123
                                                  12
                                   1
                                      123
                                            12
                                   2
                                       12
                                            1
public static void fnx(int x){
                                        1
                                            0
                                   3
   if(x!=0) System.out.print(x + " ");
                                   4
                                        0
/*************************
 * traza 2
 *************************
int x;
                                        fnx
                                  main
for (x = 0; x < 3; x++) {
                                               salida
                                   Х
                                         Х
  fnx(x);
                                   0
                                         0
                                             0
                                                  2
                                                     1
                                   1
                                         1
                                             1
public static void fnx(int x){
                                   2
                                             0
   int i;
                                   3
                                             2
   for(i = x; i > 0; i--)
                                             1
      System.out.print(i + " ");
                                             0
/**************************
* traza_3
*************************************
int i, x = 65;
for (i = 0; i < 3; i++) {
                                          fnx
                                 main
   fnx(x++);
                                                salida
                                  i
                                           Х
                                      Х
}
                                      65
                                  0
                                          65
                                               65 66 67
                                  1
                                      66
                                          66
public static void fnx(int x){
                                  2
                                      67
                                          67
   System.out.print(x + " ");
                                  3
                                      68
}
/********************
******************************
int a, b, c;
a = 11;
                                   main
                                                  metodo
b = 12;
                                      b
                                                     b
                                            salida
                                        С
                                                  а
                                                        С
c = 13;
                                   11 12 13
                                                  11 12 13
metodo(a, b, c);
                                                        3
                                           11 12 13 | 1
System.out.println(a + " " + b + " " + c);
public static void metodo(int a, int b, int c){
  a = 1;
  b = 2;
  c = 3;
```

## Trazas de métodos recursivos

n	nain		f					
n	f(n)	a	Llamada recursiva	Salida				
4	f(4)	4	f(3)	4 为				
		3	f(2)	3 🖔				
		2	f(1)	2 🗸				
		1	f(0)	1 🗦				
		0	-	_				

El programa muestra: 1 2 3 4

main					f					
n	1	n2	f(n1,n2)	Salida	 a	b		return	_	
3	3	4	f(3,4)	7	3	4		1+f(3,3) 🥎 6	1 + 6 = (7)	
			<b>*</b>		3	3		1+f(3,2)🖏	1 + 5 = 6	
					3	2		1+f(3,1) \( \bigsim 5	1 + 4 = 5	
		/			3	1		1+f(3,0) <b>₹</b>	1 + 3 = 4	
					3	0		$3 \rightarrow 24$		

```
* traza_7
*****
int num=1001;
System.out.println(f(num));
public static int f(int x){
if(x<10)
  return 1;
 else
  return 1 + f(x/10);
}
                                 f
      main
          f(num)
                 Salida
                                      return
num
                              Χ
1001
          f(1001)
                             1001
```

