

1.a)

i	i<=4	j=0	j<i	print(j,"",end="")	j
1	1<=4 T	0	0<1 T	0\u21920\u21921\u21920\u21921\u2192-	
		1	1<1 F	0\u21921\u21922\u21923\u2192	
2	2<=4 T	0	0<2 T		
		1	1<2 T		
		2	2<2 F		
3	3<=4 T	0	0<3 T		
		1	1<3 T		
		2	2<3 T		
		3	3<3 F		
4	4<=4 T	0	0<4 T		
		1	1<4 T		
		2	2<4 T		
		3	3<4 T		
		4	4<4 F		
5	5<=4 F			* programa termina aqui	

1b)

i	$i \geq 1$	j	print(num)	num = num * 2	$i = i - 1$
5	$5 \geq 1 \top$	1		$1 * 2 * 4 * 8 * 16 *$	2
		2			4
		3			8
		4			16
		5			32
4	$4 \geq 1 \top$	1	$1 * 2 * 4 * 8 *$	2	3
		2			4
		3			8
		4			16
3	$3 \geq 1 \top$	1	$1 * 2 * 4 *$	2	2
		2			4
		3			8
2	$2 \geq 1 \top$	1	$1 * 2 *$	2	1
		2			4
1	$1 \geq 1 \top$	1	$1 *$	2	0
0	$0 \geq 1 \text{ F}$				

2)

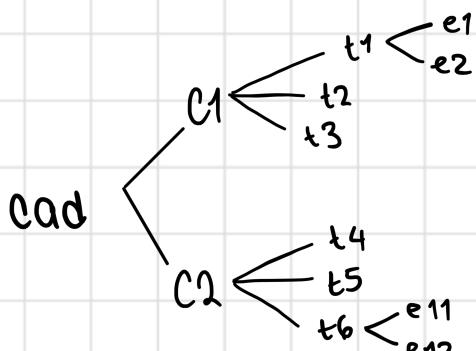
$$C = 2$$

$$T = 3$$

$$N = 2$$

$$i \rightarrow 1, 2$$

$$\text{acum} \rightarrow 0$$



Tienda 1

Venta = 3000

Venta = 2500

Total tienda = 5500

3)

Fijamos una fila

$$f = 4$$



```
for f in range (4, 8+1):
    print (f , end = " ")
for g in range (6, 3, -1)
    print (g, end = " ")
```

1								
2	3	2						
3	4	5	4	3				
4	5	6	7	6	5	4		
5	6	7	8	9	8	7	6	5