4) Orden shell def Orden Shell (1ista): #[100,22,95,1,23,95,18,950,18,35] Inc=int(len(listal2) While inc>0: for i in range Circ, len(lista): temp=lista[i] while j>=inc and lista[j-inc]>tempi listacj]= listacj-inc] j=j-inc listacij = temp If cinc=2): 1=201 else: inc=int(inc/2.5) Print (lista)

= 1-10		Bucle While incoo	+-
Inc	inicial	Lista Lista	lendista
	1	[23,22,95,1,35,45,450,18,100]	9
		[1,18,22,23,35,45,95,100,450]	0

Bucle For 1 While · (carbio Pasadas posada rango de 4 a 8 4>4 and 10023 1137012:100 teme = 23 => Lista=[23,22,95,1,100,45,450,18,35] Treracion del white lista COJ = 23 While 1=3 inc=4 Condicion

5 >= 4 and 22 > 45

#NO cambig j=5 temp = 45 Iterrician del while => [23,22,95, 1,109,45,450,62,35] lista [5] = 45 1=6 While inc=4 (ondicion) Pasada (j = 6 6>=4 and 95>450 temp = 1150 Iteración del while => [23,22,95,1,100,45,450,10,357 1istac67 = 450 V= >ni 8151 pag 1=<£ #No j=7 temp=18 Iteración del while Lista[7] = 18=> [23,22,95,6,100,45,450,100,35] 1=8 in C=4 condicion / cambio Posoda | 0 = B 001 = [8] ntil 185001 km 11CB 0N# SECES pur 1=27 Iteracion ListaE47=35 => [23,22,95,1,35,95,950,18,100] Segunda posada rango de la while (andicion | cambig 1=1 inc=1 Pasadas 1 1)=1 and 23722 Listariz=13 j=1 107=1 #NO temp = 22 Iteracia del aplic =7 [ista=[22,23,95,1,35,45,450, 18,100] 11stacoz-22 remy=45
Iteracian del while I #NO ZZ=1 and Z3795
Listazzz-ac 1= 2ni ミン j=2 Listacz = 95 => Lista=[22,23,95,1;35,95,95,95,100] while 1=3 inc=1 condicion Cambio 5=3 Pasadas 37=1 and 9571 Listo [3]=95 temp=1 Interacion del while 72=1 and 2871 | Lista [2] = 23 Lista EOJ = 1 12=1 and 2531 | Lista [1] = 32 => Lista = [1,22,23,45,35,45,450,18,100] 1=4 inc=1 while condicion Cambio
H71 and 95735 Listatuj=95 Posados 1 j=4 temp=35 37=1 and 23>35-41 NO Iteracion del while Lista[3]=35 => Lista = [1,22,23,35,95, 45,450,18,100] 1=5 inc=1 5=5 (ondicion Cambio temp= 45 Imacion del while LISTATUJ = 45 i = 6 10001 03PC SP- bno 1= CD 01#K - b Temp= 950 Iteración del while Listo[6]= 1150 => Lista = [1,22,23,35,45,95,450,18,100]

j=7	
temp=18	
Iteración del while	
11stac13 = 18	

Pasadas	Condicion	Cambio	j
_ \	7>=1 and 900 18		6
_ ~	67=1 and 95718	The state of the s	5
	5>=1 and 95718		4
	47=1 and 35 ×18		3
	37=1 and 23718	1	5
	8/555 pur 1=55		(

=> Lista= [1,18,22,23,35,45,95,450,100]

=> Lista=[1,18,22,23,35,45,95,100,450]