1) Schedionsort (lista) # [10]22/99,1,23,45,45,162,18,35] det selectionsort (lista): for i in jange (lentistate). minimo=i for j in range (i+1, len(lista)) lista Eminimo] > lista []]: aux = lista Eminimo] listalminima] = listali] lista [i]=aux print (listo) N reces len (Vista) E [1,18,22,23,35,45,45,45,160,23,15]

E [1,18,22,23,35,45,45,95,35]

E [1,18,22,23,35,45,45,95,100]

E [1,18,22,23,35,45,45,95,100]

E [1,18,22,23,35,45,45,95,100] E1,18,22,23,35,95,95,90,100] 8 [1,18,22,23,35,95,100,400]

Primera posada: rango de 1 a 8 j=() 1=0 100722 #5; minima = 1 551 = XNO 22>95 # No AUX = 22 MUANO-1 j=3 minimo=1 2271#5; minimo=3 qux=1 1=4 ringro=3 1 > 23 # NO 1= XVD 1-emissin, 2-(1745 # NO Oux=1

3

1

1

3) insercion Director (lista): # [100,22,95,1,23,45,460,18,35]

def insercion Director (lista):

for i in range (1, lendista):

Y = lista [i]

while j >= 0 and lista[j] > V:

lista [j+1] = lista[j]

J=j-1

lista [j+1] = V

print (lista)

Bucle For i

					OKCIC	
N	Meces		\/	Ö	Lista	len (lista)
11	11500)		72	Q	[22,100,95, 1,23,45,450,18,35]	0
	7	7	95	1	[22,95,100,1,23,15,92,18,35]	. 9
	3	3	1	2	[1,22,95,100,23,450,450,18,35]	9
	4	4	23	3	[1,22, 23, 95, 100, 45, 450, 18, 35]	9
	5	5	45	4	Ei,22,23,45,95,100,450,18,35J	Q
	6	6	450		C1,22,23,45, 95, 100,450, 18,35J	9
	7	F	18	6	[1, 18,22,23,45,95,100,450,35]	
	8	8	35	7	[1,18,22,23,35,45,95,100,450]	9

```
Bude while
Primera posada
    J=0 V=2
                 j>=9 and 100722 #51
                    1isto[ 1] = 100
                       j=-1
=> Lista = [ 100,100, 95,1, 23, 45, 45, 450, 18, 35]
Segunda posoda
   j=1 v=95
                 j>=0 and 182795 = # 51
                     11sta [2] = 100
  Lista = [22,100,100,1,23,45,450,18,35]
                 12=0 and 22795 #NO
 =>Lista=[22,100,180,1,23,95,950,18,35]
Terceron pasada
     i= 2 V=1 ;>=0 and 160>1 #5, >Lista=[22,45,100,100,123/15/15918,35
                     11sta[3] = 100
                       5=1
                  117=0 and 9571 #51=) Lista=[22,95,95,100, 23,45,450,18,35]
      j=1 v=1
                      (ista[2]=95
                          j=0
       j=0 v=1
                   U7=0 and 22>1 #51
                       lista[1] = 22 => Lista=(2222,95,100,23,15,1150,18,35]
                           0=-1
```

```
with posoda
J=3 V=23
          j>=0 and 10223#51
                1 ista [4] = 100 = [ bzz,95,100,100,15,450,18,05]
      V=83
           1 >= 2 and 95 > 23 # si

=> Lista = E1, 22,95,95, 100,95,950, 18,35]
 j=4 v=45
            07=0 and 100>15 #51 Quintar pasada
                 (ista [5] = 100 => Lista: [1,22,23,95,100,100,450,10,35]
       v=95 i>=0 and 95745 #si
                lista[4] = 95
j=2 >> Lista=[1,22,23,95,95,100, 450,18,35]
           (17=0 and 23745#No
                => Lista=[1,22,23,95,95,100,450,18,35]
```

```
Sexta posada
         j>=0 and 1007450 # NO
      1=5 v=150
         => Lista= Chzz, 23, 115, 95, 100, 1150, 18,35]
Septima pasada
       j=6 v=18
         0>=0 and 450 > 18 #si
             lista [7] = 450 => Lista = [122,23,45,95,100,450,30]
               1=5
     J=5 V=18
             j >=0 and 100>18 #51
                lista[6]=100 => Lista=[1,2,23,45,100,100,450,35]
                   1=4
           81=V
             11=0 and 45>18
                 11sta[5] = 45 > Lista=[1,22,23, 45,45,100,450,35]
                 (j=3
       j=3 v=18
              U>=0 and 3>10#si
                   1ista [4] = 23
                      j=2 => Lista[1,22,23,28,45,100,450,357
         0=2 v=18
               15#8/ <22 pur 0= c n
                   11sta [3] = 22
                     j=1 => Lista=[1,22,22,23,45,100,450,35]
        2=1 V=18
              1>18 #NO
              => Lista-[122,22,23,45,109,450,35]
```

```
fora pasada
    j=7 V=35
               j >= 0 and 450735 #Si
                    Lista (8) = 450
                      J=6 > Lista=[1,18,22,23,45,95,100,450,450]
      j=6 v=35
                j>=0 and 100>35 #51
                      Lista [7] = 100
                      j=5=>Lista=[1,18,22,23,45,95,100,(00,450]
                j=0 and 95>35 #51
                        1=4 => Lista=[1,18,22,23,45,95,95,109,459]
                      Lista[6] = 95
           j=4 v=35
                 j >= 0 and 45>35 #151
                        5Tals ] = 7 Lista = [1,18,22,23,15,45,95,40,450]
                      Lista[S] = 45
             j=3 V=35
                   1 >=0 and 23735 # NO
                    => Lista = [1,18,22,23, 45,45,95,100,450]
```