```
8) Nerge Sort
det rergesort (lista):
     Print(listo)
      if lengista) >1:
         medio=lenClista7112
         izq = listac:medio]
         der = lista Emedio: ]
         mergesort (izq)
         merge sort (der')
          i=0;j=0
           K=0
         while i < len (izg) and j < len(der):
              if izacij < dercij:
                  lita[X] = izqci]
                   1+=1
              else:
                  listack3 = der cjJ
                  1=+ i
              K+=1
         whale j < len(der):
              lista [K] = der [j]
               1=+6
                1=+)
         while i < len(izg):
              listack] = Izgci]
               1+=1
               K+=1
   return
            lista.
```

Valores cada llomada					
Nuncio	Medio			Segunda [13,15,150,18,35] [95,1]	
	7	C100, 22,95,1	777	C94,17	
3		[ 160]		[SI]	
H		T 95-		[ [ ]	
5	<u>`</u>	C 23,		C156 18-35]	
6		E2		E 453	
			450]	E18353	
4			187	C357	
Δ 1			- 70 7		
Prine while					
i	lista		N llomai	da	
0	C100, 21]				
0	[95,1]		7		
Q	CIONINALI		3		
0	P,55,17		3		
	[1,22,95,1]		3		
0	C23, 46J		4		
Q	C18,35]		5		
<u>\</u>	Z450,18,357		6		
0	[18,18,35]		6		
0	C 23,45,450,18,35]		7		
Q	T18,450, 18,353		7		
1	E18,23,450,18,352		7		
	C18, 23, 35, 18, 35]				
0	[ C100, 22, 95, 1, 23, 45, 40, 18, 3]			8	
	[1,22,95,1,23,	15,40,18,357	8		
	CV 18, 9511,7	125,81,021,55	8		

7	[1,18,22,1,23,45, 45, 180,18,35	57 2			
2	[1,18, 22,23, 16, 160, 18,3	B Cz			
7	2 [1,18,22,23,35,45,450,18,35]				
7	[ [1,18,22,23,35,45,450,18,35]				
3	[1,18,22,23,35,45,95,18]	,357 8			
segundo while					
•	Lista	N Hamada			
Ö	[ CZZZZZ	$\Lambda$			
Q	C1,17	2			
	[1,22,95,1] [18,35,35]	3			
0	C18, 35, 357	4			
	Tever While				
i	lista	1 Manada			
1	[3,45]				
	E18,357	~			
	[18,23,35,45,35]	3			
4	[ [1,18,22,23,35,45,95,60,35	4			
1	- lista Ezzysz	N Harroda			

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