Original: 7 8 6 15 12 1 17 24 14 5 13 37 Denra Soul modes! 3/30/21 Bubble Sort (greatest to lenst)
The elements 14 passes Compare the two elements and place larger for
After 1st pass? & 7 15 12 6 17 2 4 14 5 13 3 7 1 Ind pass: 8151271769145133721 3rd pass: 15/28/1776/195/134732/ 4th pass: 15 12 17 8 7 14 6 13 5 17 4 321 5th pass: 151712819713/754321 6th pass: 1715 1214 813 7 7 6 5 4 3 2 1
7th pass: 17 15 14 12 13 8 7 7 6 5 4 3 2 1
8th pass: 17 15 14 13 12 8 7 7 6 5 4 3 2 1 -14th passes: No changes, but they the regardises Selects Sort Cognewtood to least) Lineary more through list and find the smallest unsorbed charact Hen strap It. As before we will need 14 passes or 13 stree the test is sorted.

April 51 pass? 786 15 12 7 17 2 4 14 5 13 3 1

And pass: 786 15 12 7 17 13 4 14 5 3 2 1

Afth pass: 786 15 12 7 17 13 5 14 4 3 2 1

The pass: 786 15 12 7 17 13 5 14 4 3 2 1 5th pass: 786/5 12 717181454321
6th pass: 78/19 15 12 7 1713654321
7th pass: 1381415127177654321
8th pass: 1381415121777654321 9th pass: 1317 1415 1287 765 4321

10th pass: 1317 1415 1287 765 4321

11th pass: 1517 1413 1287765 4321

12th pass: 1517 1413 1287765 4321

13th pass: 1715 1413 1287765 4321

13th pass: 1715 1413 1287765 4321

14th pass: No china pass: No chinge

2 1

3,)	Insertion (greatest to loust) Crente a separate list and take charits After 1st plass: 7 Ind plass: 87 201	
	toserhan (greates) to 1 1)	
	tran one 1157 could be separate 1157 and to be all	
	After 1st plant ?	
	and acces 20	
	2et pass: 876	
	9455: 15 12 876 6th pass: 15 12 876 2th pass: 15 12 876	
	5th 15 877C	
	6th Pass 3 15 12 8 76	
	24 Pass: 15 12 8761	
	7th pass: 17 15 12 8 7 6 1 8th pass 9 17 15 12 8 7 6 21	
	04 pass 9 17 15 12 8 7 6 21	
	1068) 11 13 17 67 - 14 01	
	10th passi 17 15 14 12 8 76 4 21	
	11th pass: 17 15 14 12 8 76 5 4 2)	
	12th pass: 17 15 14 13 12 4.7 65 42,	
	10th pass: 17 15 14 12 876 5421. 12th pass: 17 15 14 13 12 9.7 65 421. 13th pass: 17 15 14 13 12 876 54321 14th pass: 17 15 14 13 12 876 54321 Shell sort (lens) to greatest) also inserter sort Select some (c) this could be our laboration with the time to the sort of the sort of the sould be our laboration and the sort of th	
()	14th 1965: 17 15 14 12 10 977 (542)	
9)	Shall cost (10 1 1 2 1 1)	
	Solvent and It II all I also insertles sort	
	(MO) 10 FE GEN 1100 VEN 1607 1 (100 07)	
	The nymbol of clany As a point the first obeyed and country to	
	genery at the It and sort how receled. The proces is	
	taster than the other 3 sorts listed this for, but needs other sorts to third	
	1(2 3) decreuse gother each pass	
Ken Ist pus	1 / 16 2 48513 3 (\$ 171617 71/7)	
(c=3 Ind pas	216 8 437 13 87 141512 19	
10=2 3rd	216 8 437 13 8 7 1415/1 17 214 365 77 8 13 12 15 14 17	
	Now allow 3 and he was a stand of the wind to which convert a dren	
	Now after 3 posses, we con use a simpler sent to swap the highly gamped when 1234567781213141517	
	1 36 11 0 12 13 14 13 17	metalogical con-

(a) Heap Sort (tens) to gravest) Ne create a peop and delete He top elmost and betrey each three

7 8 6 15 12 1 17 2 4 14 5 13 3 7 12 parent > 100012 201 Bulleting Hays Sals space) Heup Sort 1 /2 /3/4/5/6/7/7/8/12/13/14/15/17 Delete offe top and retemp add top mode to one 8513 Nebrald Heep each true 851 Mays take deleted poot 14 13 7 12 6 7 2 4 8 5 1 3 13786724851 7 86 12435 1243 124 7536 10/4 7 77653412 right 7 7562341 65 4 231 53421 4312 321 21 1