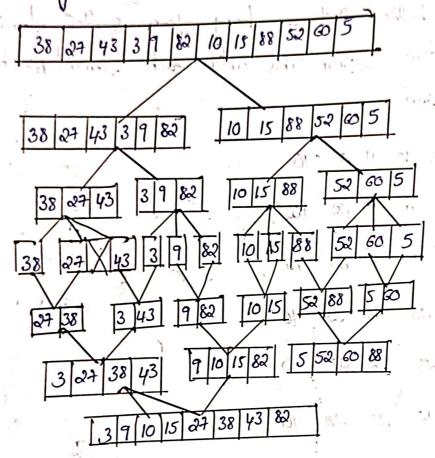
Sort the dement using sort divide and lenguer stage by [30,07).
43,3,9,82,10,15,88,50,60,5] using and analyse three completely of the algorithm)
soft- Given array - merge dark.



	0	Sec. 3	14	3	
3 5 9 10 15 27 3	8 43	52	60	8%	88.
3 3 7 10 13 4	U .	4.	7	F 4	1.

.. Sorted let = [3, 59, 10, 15, 27, 38, 43, 52, 60, 20, 25].

The time completely of menge dont is oldlight where no the time completely of menge dont is oldlight where no is the num of elements in this test this is because the lest is split into halves logical etimes and no menging is all the clements at each levels takes old time.

Sort the array 64.34, 25,12, 11,90 using bubble sort what is the time emplexity of selection dood in the best worst and average ase Jell- Given array = 64, 34 25 10 20 11 90. In builde Sort we bring from snallest element in throe correct position continue This until ouch element Reach There concert partion. 34 25 12 11 22 90 25 11 12 28 90 N 22 90 12 29 90 12 22 90 25 22 90 12 2 34 25 22 90 22 25 90 34 34 22 25 90 22 34 25 90 छ ६५ अ ३५ ३५ १०

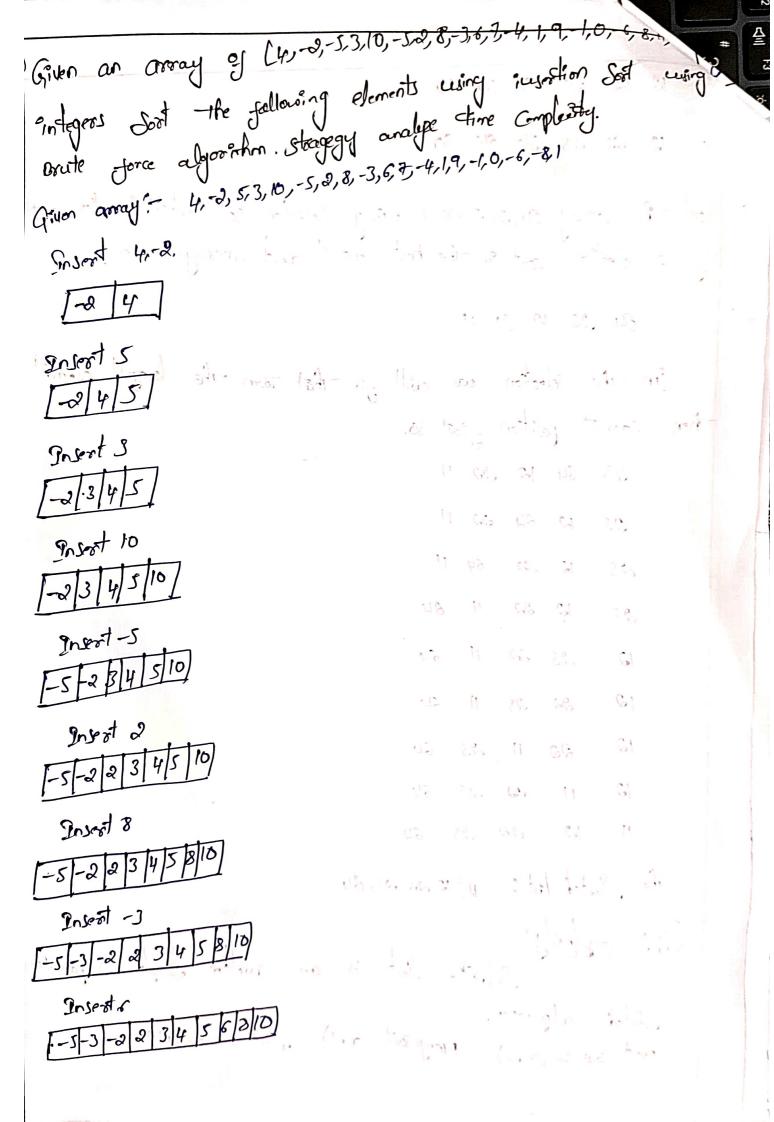
```
18 82 25 64 34 90
    12 ×2 25 34 64 90
Soot the array of, 2512, 20,11 using selection sort what is time emplexity of selection sort in the best, worst and average cases?
       64 25 12 22 11
    In the selection we will fix that from the largest element in
There correct position frost so.
        25 64 12 22
        25 12 64 22 11
          12 02 64 11
          ાટ રૂટ 11 64
       25
       12 25 22 11 64
         <u> ع</u>لى على اا
             22 11 25 64
           11 32
            12 22 25 64.
  The Serted list = U, 10,00,05,64.
                  Selection Sort is an another Simple Comparision
```

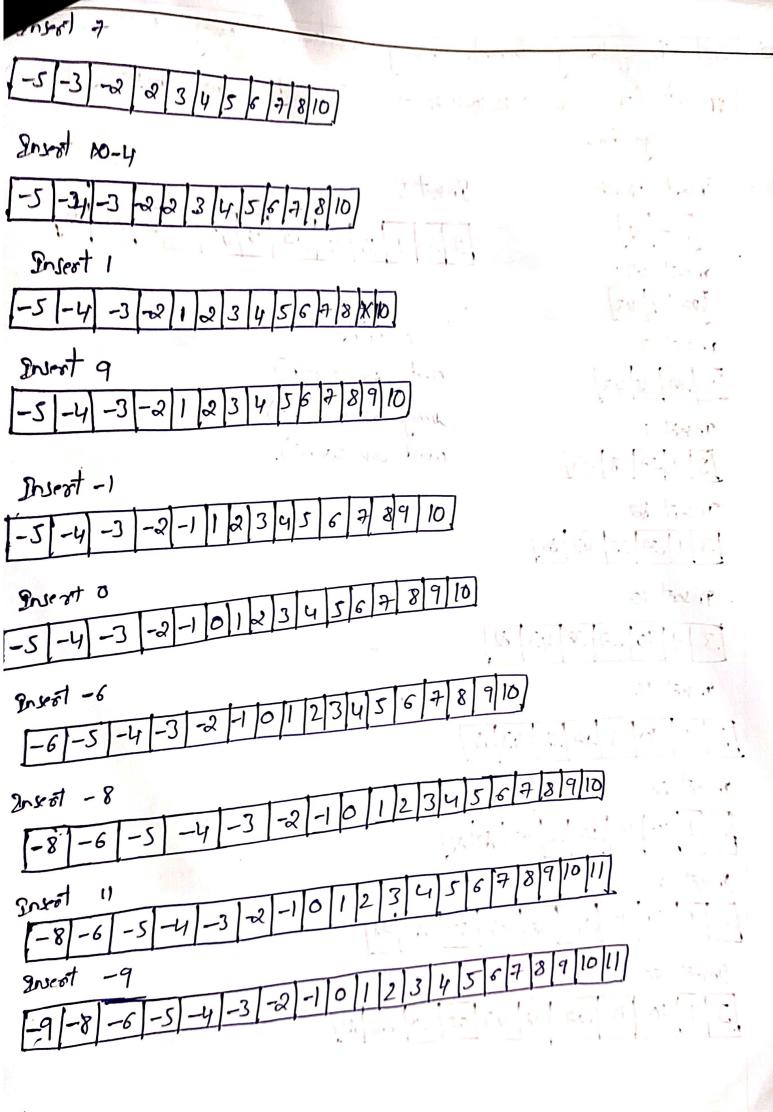
Sorted algorithm.

Sorted algorithm.

Best Case = O(n2). Herge Dot = O(n2).

- chiz





ALC: CONTRACT OF THE PARTY OF T				
Soot the following element	nts using	instalion Sout	cesing Brath	Doge
Approach (31,27,43,3,9,82,	10,15,88,52,	60, 5) and are	clyze complex	्रेन अ
The algorithm.				
Insert 38,27	Insert 5	Tools I de la		-01 Texas
[27-38]	359	10 15 27 38	43 52 0 2	32 28
Sovert 43				0.00
[27   38   43   Prisot 3	line Cons	herege-		- K- 1
3 27 38 43	Best a	ine 3-00)	1.1.1. 1.	P total
Invest 9	ONesage a	ase (= o(n²)		- M- 5-
[3 9 27 38 43]	worst a	ase ro(h²).		(- toda)
Insert 82	3/1/10	5 3 2 10 6 10	11-13-	- 12-
3 9 27 38 43 82				
Insert 10	01/18/6	12345	0 - 6-	-1-17
3 9 10 27 38 43 2	)		•	
Instit 15.	8 (+ 0 )		-10-3-	
3 9 10 15 27 38 43	22			k = 791
Insert 88	21-11-1	10/16/6-100	1:1-1:-	6 - ( K - )
3 9 10 15 22 38 43 6	82 28		1 1	
Invoit 50	150 22/8			· - F-
3 9 10 15 22 38 43	1 32 00 00	1		10
Insort 60	2/52/0/2	2/88/	12-12-12	1-1-
3 9 10 15 27 38 4	2 /20/ 00	(10)		