Cycle Sort:
0 1 2 3 4
Unsorted Array - 3, 5, 2, 1, 9
When given numbers from gange 1-N
When given numbers from starge 1; N As soon as you get 1 to N you should implement yetic sort. Worst case example.
As soon as you get I to N you should implement
cuchic sont.
Alapithm Nout case example. Had to make NT Ewaph
Algorithm Had to make NT Ewaps
Algorithm 3, 5, 2, 1, 4 - N=5
inden: value -1
After sorting - 1, 2, 3, 4, 5 because index value
inden value
(3) 5, 2, 1,4 is 8 at the correct start from 0.
swap
(2) 5, 3, 1, 4 swap with the white loop to put
(2) 5, 3, 1, 4 swap with the while loop to put swap index 1 (2-1) everything in the
Correct place will be.
(5) 2, 3, 1, 4 N-1 swaps. are to
be madi.
swap.
(A) 2, 3, 1, 5 In worst case - (2N+1)
(N-1) +N comparison
swap an made.
(1) (2) (3) (9) (5.) It will check if every one :. O(N)
is at the correct inden
: Any - 1, 2, 3, 4, 5