Whiteboard 10

Problem Domain Reverse a singly linked (istaithout Using any builtin methods. Aim to have an D(n) Space Solution. Visual. Arry size -1= this root

Arry Size -1= this root

Arry Size -1= this root

Arry Size -2

This root next = Arry Size -2

This root next = Arry Size -2 -while loop? while Array. Sty >0

of find size of Linked Listusing remously coded method remembers a while loop that devenuents 41gorithm size untits zero · set 11 root to 12 to size · gotworgh loop till all list notes are relinked using next property · return Reverted vist

Poigu this solution keeps O(n) spaache same (no new list) and has a soincite will Loop so time. is also ()(n) Pseuto Code cu = cinkdlist int size = U. sigel) - 1: interple = 21.0030() unile (cycle < D) then return list

Code public static void return Linked list 0)? int size=linked list-size()-1; this.root = Linked list [size]; int cycle = linked list. size(): this root next stinkalist [size-] // now new root was new connection to reset node. Littlede current = this. root. Next; mile (cycle-2 <0)3 current, next=linkallist [8:39-2], Current = current next 3 Systemortophylin (unkedlist);

(105/2 test for empty hist test forwast only one node a a two nodes test for hildlist with at least four nodes Dess befor each cinked lists to set up cinked lists using prepend using prepend method for tests