## White board 9

White board 9 Loop Detection

Return a trefalse for a method materaliases a loop 4-4 method takes in no arguments in no arguments linked lists class

Poigt regrired to stay of O(1) (no added memory scallowed Visval o'o not a looped Linkalist - looped list because endof LL poivoistoros

## Algorithn. setap

· set a pointer to first node set end pointer to 3rd nocle
while (modernex!=11)(+2) in the common of the state of t lceep gotner looping till return false; if (pointer A == pointer return true Code poblic class Boolean hasloop () ? Linked list test list = new Linked list ();

> List Node pointer Nobrit = new CistNote C); pointer Node 4 = 0; pointer Node B = pointerNode++2; While (pointer Node A: null) & if C pointer Node A = = = &
> pointer Node B &
> return true
> 3

eteif(primer node A:=

pointer node B) E

pointer node Att;

return false;

3 // will hoop alose

3 // multiple to be