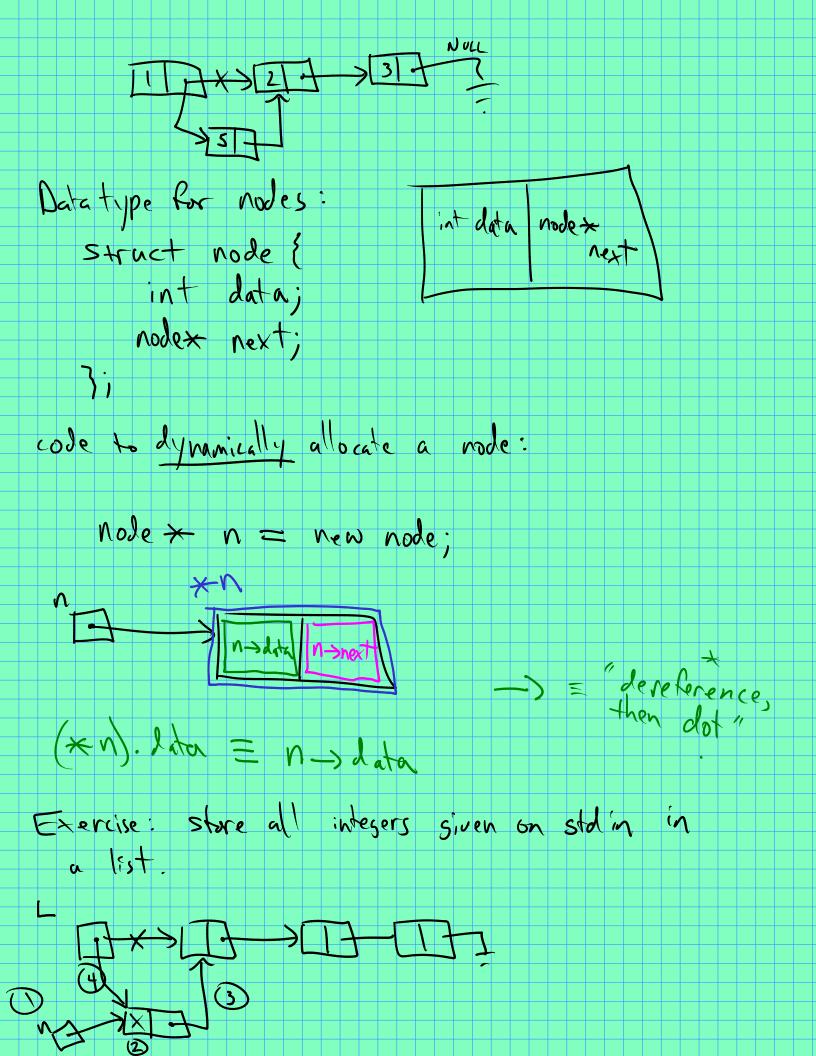
Stractures + classes: how to make our our datatypes. Example: say you wanted a data type for books: Struct book { Notc/aside: string title; string author; Only difference between Stract and "class" is size\_t nun\_pages; that the members defaat int main () book b;

b. +i+le = "Alsebra";

b. author = "I. N. Herstein";

b. numpages = 342: New topic: lists. Motivation: want to be able to insert values anywhere in constant time. 0 1 2 3 4 5 6 if array (vector his in elemts, adding to the front takes a n steps.



node x n = new node; // (1)

n > lata = x; // (2)

n > next = L; // (3)

L = n; // (4)