What information is welled to represent a vector? - Size (type: 57e th) - capacity (+ype: size_+) - array for elements (call this int * data) Class invaviant O data points to an array of capacity elements. 2 data (0), data [1], ... data [5:2e-1] Source the contents of the vector. We will make sure that O, Q hold after any of our constructors are called. Then every men bor function should assure (D,D) upon being called, and must ensure they are still true afterward. Destructors

opposite of constructor: called when a variable goes out of scope, or is explicitly freed via delete.

G.5 .:

void & () & vector called vector called v. M. Scale (10);

3 // destructor for V will be called here.

Ex. 2! (kind of contrived)

Vector (int) × p = new vector (int); // const.

delete p; // dos tructor called for (xp).

Main job of destructor. Gree dynamically

Main job of destructor: Gree dynamically allocated menory.