## vector stl

STL -> Standard template library Provide a collection of template closses & f(n) that offer common DSA to make programing more efficient & convincent -> rectan in C++ is a dynamic assey that Con grow on shaink in size, making it o nousouls of ethicient grow stunctions for storing 2 manipolating sepuence of elements.

Vector -> Dynamic array Difterenco: It rector for then way eremente to new Sporture 8 fit # include <vector> => & 20 Vector Kint > ~ ) Size > current element Cepecity > memory allocate 1 etch copocity (); -> adding element V- push-bock (1) - - - - (1) î Cross capary housing 4) 1.04(5) 1. Ezout (). v. beck(); element from lost 1. bob-pack (), sremore 11. c/e as ()) in This case, 8:22 = 0 POF wamazin allocated Copocity not will The to that

rectos Kint > a (s, 1); Installed on with 1 Hugmans to, on rectorists best (a); Copy an elements of V. empty () ^, " copacity () ^ copouty 2-1 inskalize uplue of col 166,02 < 166,02 <: 4 >> 022 (200 ) n66,02 (: 4 > (cv ) ) twito Lesses aut ory 05 55 pg go Jech > 0 1

to viterate vector array 2 COUX 22 : + ; for each look