vectors Dury like , nove Endices of well. Dynamic in nature (difference blw orrow 3 Vectors) SIL (Std. Template library) I have the implementations Space Hosh-Table of the data stradules. - AUR vedor · STC Confairer _ Sel Vectors car be resized dynamically Syntax 6 -> Vector cinto vec, rame We have to include the header file as well 66 Hirclode a vector 5 99 -> vector cim> = \$1,2,3} -> redorcint = (3,0) Size of value rector

each loop is a special type of for (inti: vec_rane It does not represents/ Iterater gives the index. If gives the value directy vector functions 7 Size (give) the size of vector vec. size () -7 posh back (Adding going forward) Vec. push bade (25) 55 65/25 -> pop back (deleting) (by-default the laytore) front painting the first value vec. Gort priviling ple last value vec. backel) back Cetting access at the particular judges vec. at [0] etc >at

Stolic US 0-Splic Menory gets allocated at the compile live int ari [5] O-Dynamic very gets allocated lets take a look on the Vectors In the start like vector cint> = \$1,2,38 Nemory has been allocated static But if we apply the forctions now, then the splic memory gets changes into dynamic and that's why vectors one dynamic in nature Arroys one static 3) - Arroys use stack static venory user stacks 3) - Vectors uses leaps, Ognamic menory user hoop

vector cirt > wec_name [0] Jacks E Jacoble vec-push (o) [0/1] · vec.push(1) 1 gets I double [O[1/2]] = vec.push(2) At first 1 ties to fit in index o but it is filled so, a double capacited vector is created to store both of them and this goes on ___ Vector flow numbers can be Size of Jector Hor of Eleverts stored