	Lecture 22	25-10-2018
Review:		
19 V+ 1017 VCC	Jelu	0(10, N)
1000	~	0(10, 7)
for-each 1066	s. contains (velue)	0(19 7)
for (e : &)	s. size ()	ر کی د می
	دی	G(Z)
" with e	ιΔ	0 7 V
	D,	ر ا ا ا
3		

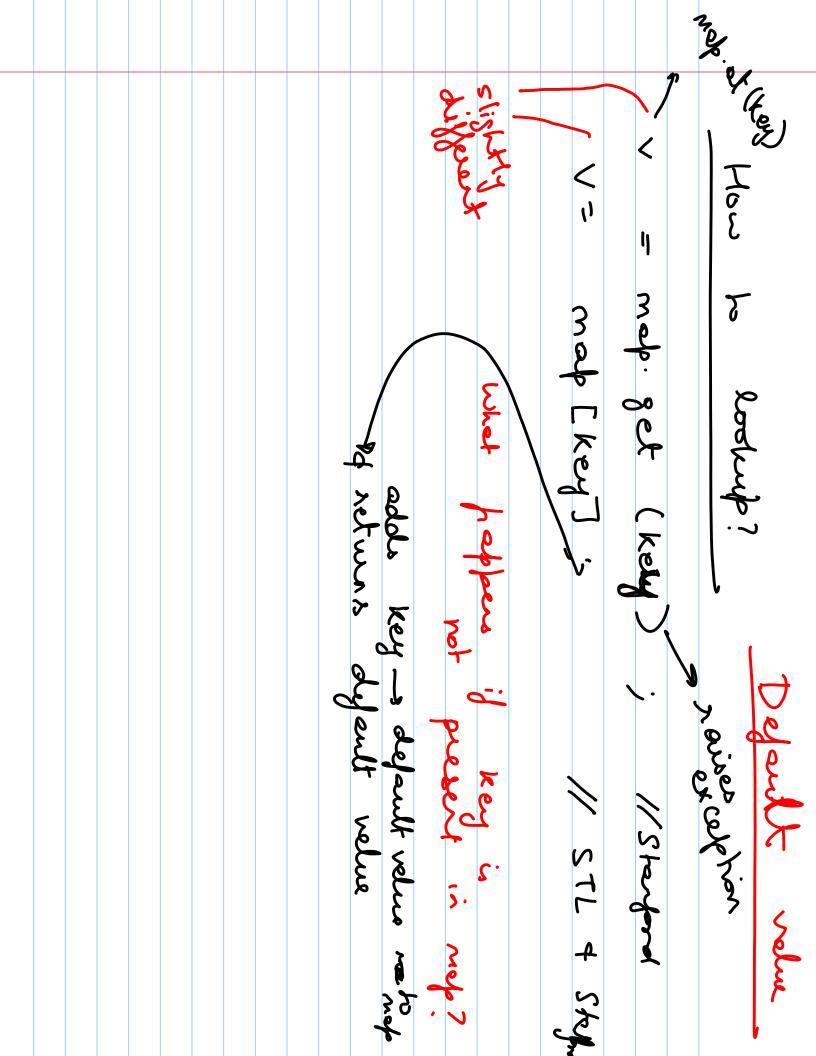
Max each Key each key is Key To associetions Key mignes (just like in Set) · eg. entry number velue ٤. ۹ associated with essociated volue eg. name

NUMBER OF I #include 136 & TAME Map < string male < in+ , y. do w. Map < int Key's Might vector < shing >> Skin's s king > volue . mpc # include < map> 32. Jak 37. 3

Comparison	
with	
Vector	

		'n			2,				۲.
		Ordered			Need		Malox		Vectors
	0	200			7		9	,	العداد
	Not oby				hame	,	look-up	-	look-up
0	2 2			≥	ميره	0	ر و	0	5
	index		_		4				4
					ς.	 	Kex		index

Ja hardan simile 16 2 20 CB 18 C Example: Add a 1. Adds map. put (key, velue) malo [Key] Overway to the velue Key-velue nepping the Key i on the = velue; already exist Key et aid



Removing an element

Z Observince removes the mep. remove (key); effect is Key-velue pari the majo Key does not nepo

N	Malp Member	ber Juchain	
Studerd	STL	Time	Describban
m.put (key, vela);	a); on [key]= relue	0 (log N)	paris cuesuritas
w [key] = value			elieady present
m.get(key)	m.at (key)	0 (1 Z)	If key exidita,
	J		velue exception
	W[0 (10% Z)	76
		,	Actura corresponden
			addo a default
			3
			3 5
		-	

m. remove (kcy)	m-enave (key)	0(log N)	If key exist, removes it and essecieted vedue, no effect otherwise
m. contains Key (key)	4) L.J.	0(18 N)	Rehuss hous ;} Key exists
	j= m.exol()		ς. 3
		_	

				4											Examples
							•	• .		full prown		a series of	Cows	file: dichanay	wing Map
									_	plady		lechnes		タ・ナメト	· .
									guocud		28%	/ nead			Dichon en

- 1/ populated the dichonory ifatrean ifs; prompt Usen Fox File (ifs, "Dichis nasy?").

Map < string vector(string) >> neverse.

string word;

string word)

while (getline (ifs, word)) revenue [meaning] = meaning; string meaning; get line (ifs, meaning);

while (true) string quent; ció >> query;
if (diction ery contains key (query)) class cont << " | don't know the cont << "meenig: "<< dichonay [query]

what if a word for meaning for Male < sking , Vector < sking >> know the a fiver meaning? reverse:

