f (m,n) def f(a,b): det mycopy (m,n) m=n 22=U1

def myappen 2 (1,V) l=l+[v] l-1[:] Like mon in first ex.

Contiguous block of storage Fixed Size Ekwerts are uniform a[w] is at a[o] +k-w "Random access" No deffuence in true to access any a [j] Amays

Infleroisle in size Insert delete me expensive Remove a[i] Inscrt between a [i] & a[z]

List - flexible

Made up of "linked" units

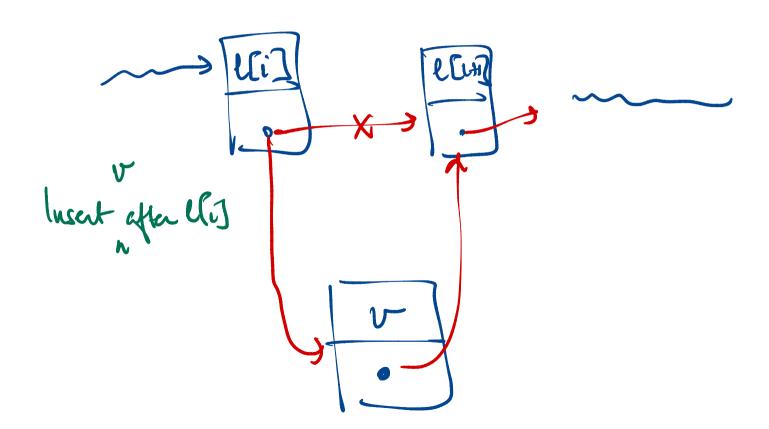
value [[0]]

next

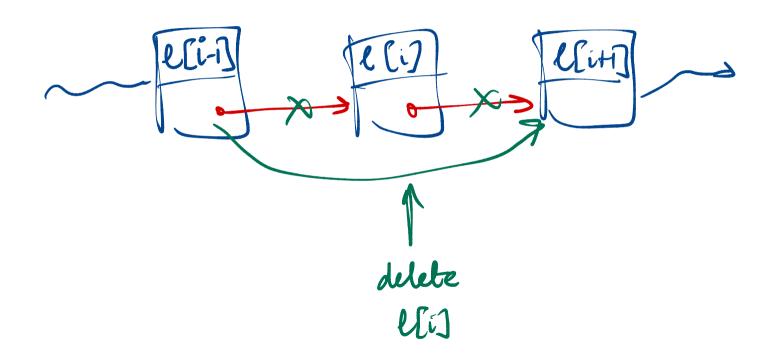
[C[2]]

To access lli]
-start at llo]
& "walle" i steps

Insert



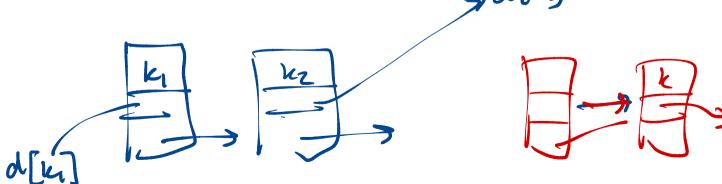
## Delete



What is a Rythm hot? Growing array L=[] l-append(v) After 6 fresh amay, double size lappent (v) - cheq, modulo donsting

-should be expensive in Bython 1. insert (v, i)

Dictionary? key -> value Map leys to memory beatron d(k)? Where des k point to



Instead allocate an anay d={3 Function that maps keys to {0,1,...,m-1] K -> binary string -> Sinary runder mod m

"hashing"

## Collision

h(k1) = h(k2)

Minimze allision

Design good hash function