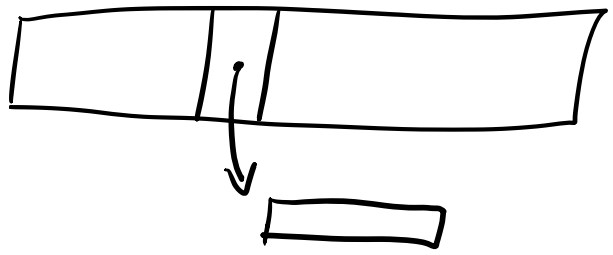
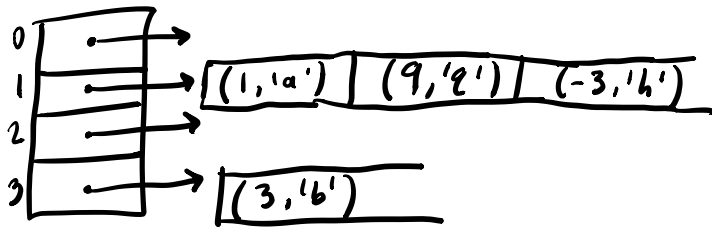


collision : when 2 keys map to the same bucket

- probing
- chaining





Capacity : 4 size : 4

insert (1 , 'a')

insert (3 , 'b')

insert (9 , 'e')

insert (-3 , 'h')

Double capacity if too full

Load factor : $\frac{\text{size}}{\text{capacity}}$

Keep below some Max Load Factor

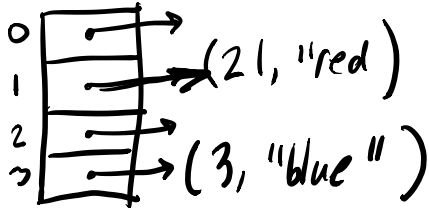
$\frac{2}{3}$ python

$\frac{1}{2}$ Lab

$\frac{3}{4}$ Java

MLF: $\frac{1}{2}$

Cap: 4
size: 2



insert (21, "red")
insert (3, "blue")
insert (0, "green")
insert (2, "green")
insert (3, "yellow")

