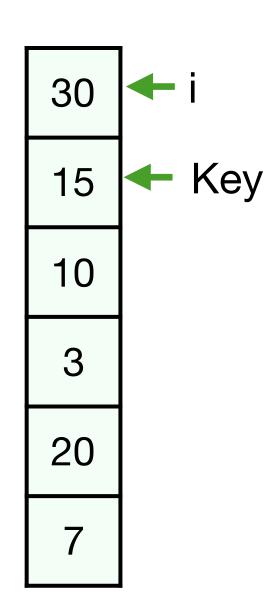
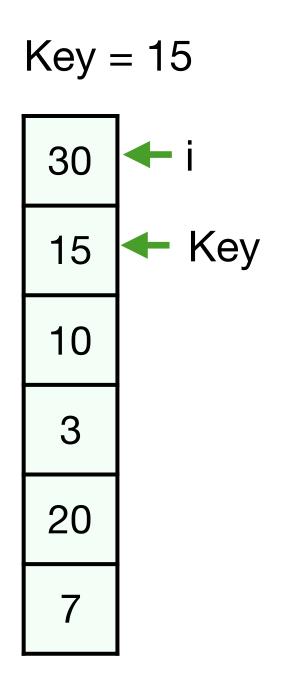
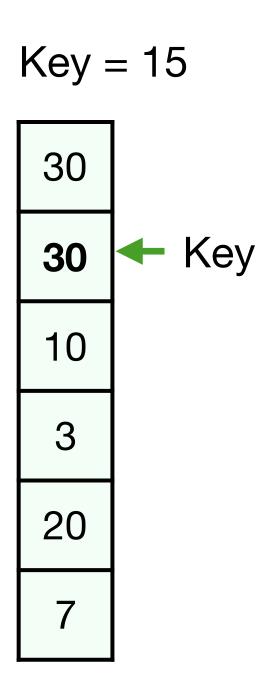
UCSC Silicon Valley Extension Advanced C Programming

Insertion Sort

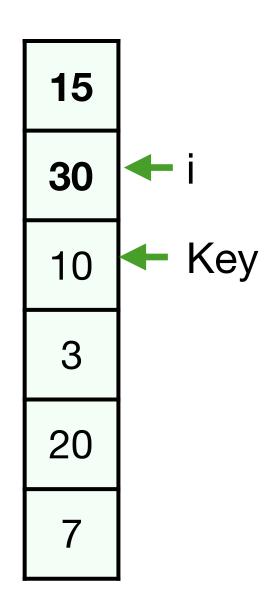
Instructor: Radhika Grover



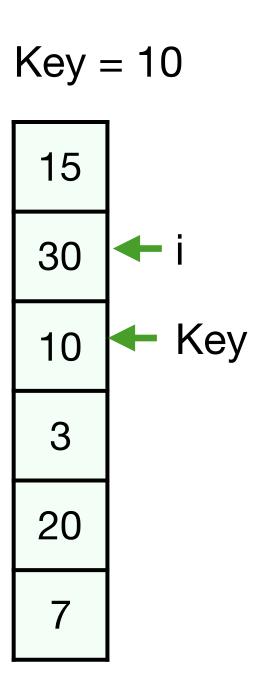


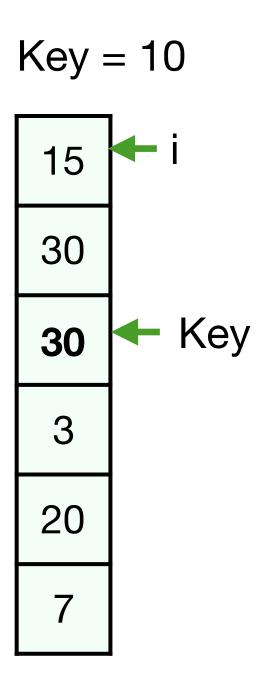


i < 0 move key value (15) to i+1



finished 1st pass move key down





15 > key, shift 15 down

Key = 10

15

15

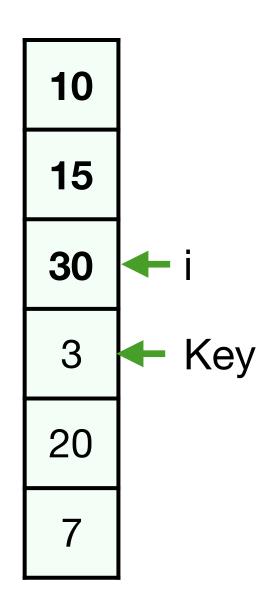
30

3

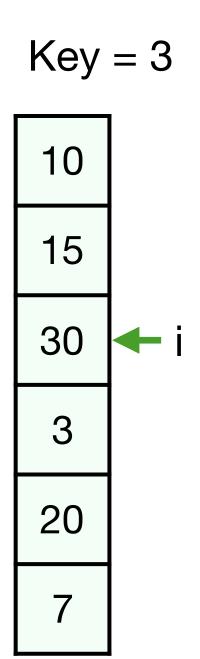
20

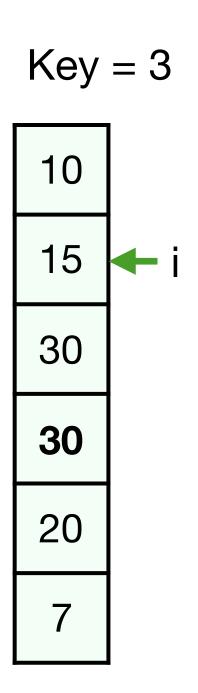
7

i < 0 move key value (10) to i+1

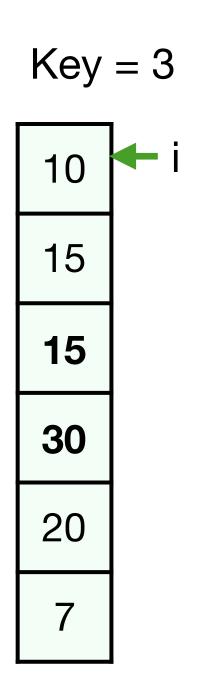


finished 2nd pass move key down





15> key, shift 15 down



Key = 3

10

10

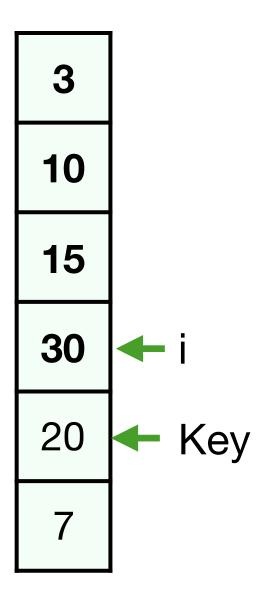
15

30

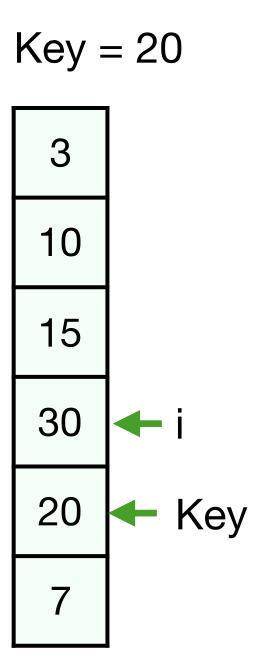
20

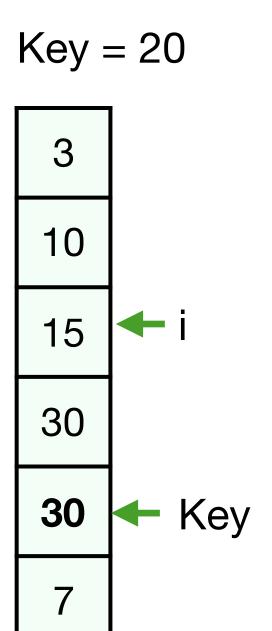
7

i < 0 move key value (3) to i+1

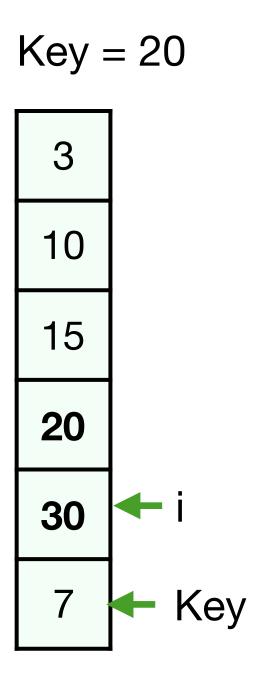


finished 3rd pass move key down

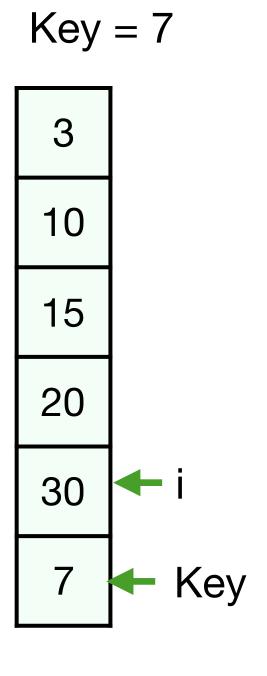


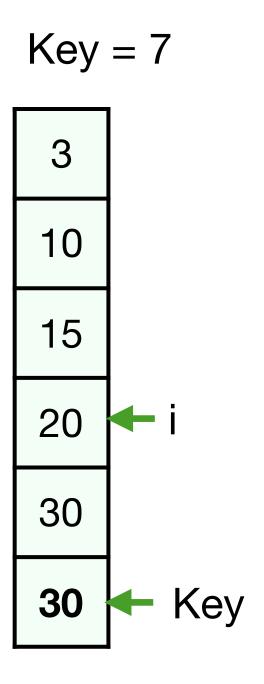


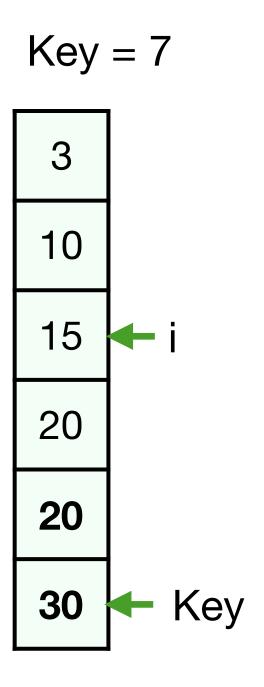
15 > key ? No => move key (20) to i+1



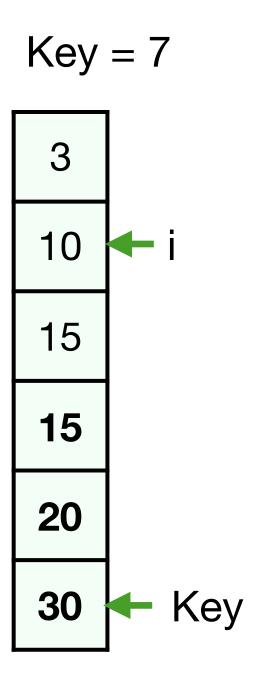
finished 4th pass move key down

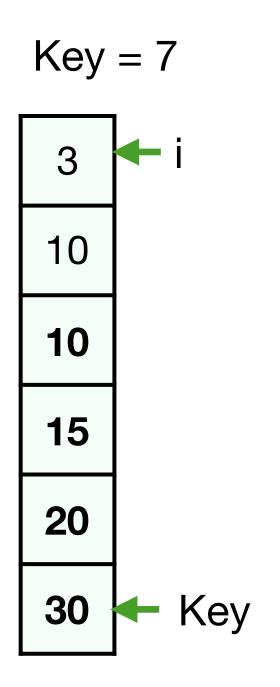






15 > key, shift 15 down





15 > key ? No => move key (7) to i+1

